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COUNTY COUNCIL OF SALOP



# ANNUAL REPORT

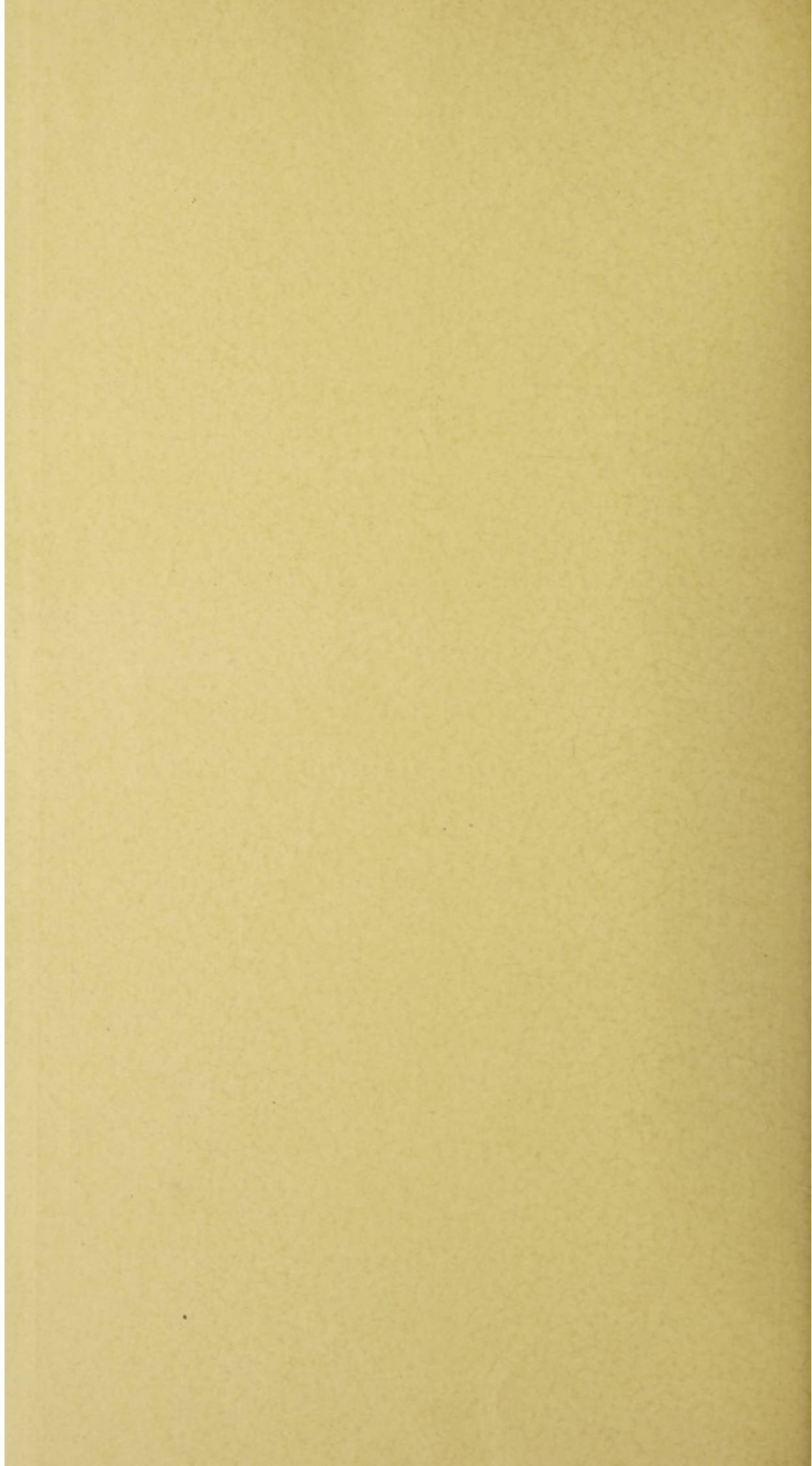
OF THE

*County Medical Officer  
of Health*

1961



COUNTY HEALTH OFFICES . COLLEGE HILL . SHREWSBURY  
SEPTEMBER, 1962





COUNTY COUNCIL OF SALOP



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# To the Chairman and Members of the Salop County Council

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MR. CHAIRMAN, MY LORDS, LADIES AND GENTLEMEN,

I have the honour to present the Annual Report of the Council's Health Department for the year 1961.

The Contents overleaf set out the order and format of this report, while the Index at the end is intended to help readers to find matters which interest them.

First come **Statistics**. What use are they? It was in 1837 that Births, Deaths and Marriages were made registrable for the whole of the Country, and probably for the first time in human history an accurate account of these milestones in human lives was made available for the whole Nation.

Dr. William Farr (1807—1883) was a notable statistician, and one of the greatest pioneers of social medicine, whose contribution to our national health "was accomplished wholly with the pen". Appointed to the Registrar-General's Office to sit and study the figures of the official returns, he did, as he said, "his little sums about human lives". In his first report to the Registrar-General in 1839 he wrote: "In the mining parts of Staffordshire and Shropshire, in Leeds and its suburbs, and in Cambridgeshire, Huntingdonshire, and the lowland parts of Lincolnshire, the deaths of infants under one year have been more than 270 out of 1,000 deaths of all ages". He went on to show that two out of every five children born alive were dead before 5 years of age.

Dr. Fraser Brockington, Professor of Social and Preventive Medicine in the University of Manchester, in his "Health of the Community" (Cassell, 1954), pictures Thomas Turner (1793—1873) of the Manchester Royal Infirmary, affected no doubt by what he had read in William Farr's reports, and unable any longer to bear the sight of the marasmic, dehydrated, puny creatures that came to spend their last few hours in his beds, suggesting the formation of the voluntary Visiting Association, and saying "Go out to the homes of these babies, seek out the cause of these wretched tragedies in the mishandling by their ignorant parents; do not wait till the evil is done and then bring them to die in my wards". By such a spirited call to social work he started the Manchester and Salford Sanitary Association, and 10 years later in 1862 the Ladies Sanitary Reform Association of Manchester and Salford. This marked the beginning of Health Visiting about which further comments are made below in this its Centenary year.

Table 2 shows that in Shropshire in 1961 Infant Deaths were 114. This is 19 more than in 1960, giving an Infantile Mortality Rate of 22.11, which was 2.7 per 1,000 more than in 1960, and higher than that of England and Wales (p. 6).

Table 6 shows that in 1961 Congenital Malformations caused 33 infant deaths—12 more than in 1960. Examination of the certificates shows no *prima facie* reason for thinking that any of these was associated with a happening of the first three months of pregnancy such as maternal infection or medication, but the possibility of more detailed medical study is worth considering.

Maternal Deaths, including one from Eclampsia, gave a Maternal Mortality Rate twice that for England and Wales.

Here are subjects which must interest the Local Maternity Liaison Committee, itself born in 1961, which brings together for the first time representatives of Practitioners, Consultants in Obstetrics and Paediatrics, and Midwives in Hospital and Local Health Authority practice, whereby all can contribute to better understanding of the several facets which go to make a good maternity service. Talks by Consultant Obstetricians and discussion sessions at Maternity Hospitals are offered for 1962/63 at which all Practitioners will be welcome.

Table 12 shows the causes of 88% of the deaths in Shropshire in 1961, which totalled 246 more than in 1960. Notable factors were 87 more deaths from Heart Disease and 77 more from Influenza, both probably concentrated in an outbreak in the late Spring of the year believed to be associated in some cases with strains of bacteria resistant to the usual antibiotics, and causing more deaths among elderly patients.

Coronary Disease notifications of death were 598 (Table 13) which is 64 more than in 1960: Accident Deaths in the home and at work maintained their high level at 69, only 2 less than in 1960; Motor Accident Deaths were the same at 50, and Suicides 10 more at 39. The note below Table 14 shows the sad feature that of the 60 deaths of young people aged 5—25, accidents caused 29. Of these, motor accidents killed 13 young men between 15 and 25.

Though the 73 new cases of Pulmonary Tuberculosis notified in 1961 were 20 fewer than in 1960 as shown in Table 15, reference to Table 22 on p. 12 shows that the largest number occurred in males between 25 and 45. Smoking evidently predisposes the lung to cancer. Since men between 25 and 65 have both more lung cancer and lung tuberculosis, smoking probably damages and lowers the resistance of the lung tissue.



Table 17 shows that the 102 deaths from Cancer of the Lung and Bronchus were 24 more than in 1960; the ratio of lung cancer deaths to all deaths for males in Shropshire in 1961 at 1 to 20 is the highest we have recorded.

Deaths from Leukaemia (p. 11) were double those in 1960; those from Cancer of the Breast and Uterus were fewer.

The three right hand columns of Table 20 still challenge our curiosity and effort.

**Infectious Diseases** were mostly benign, but the first clinical Diphtheria to be notified in Shropshire since 1952 is reported on pages 13 and 36. One death from Whooping Cough (at 2½ months), and three cases of Poliomyelitis, all unvaccinated, recall the importance of immunisation. Everyone is offered vaccination against Poliomyelitis, but in 1961 two small boys of 3 and 9 years old suffered paralyses likely to need unremitting care.

There have been 19 paralytic cases of Poliomyelitis in Shropshire between the beginning of 1958 and June, 1962. One of the three deaths (reported in 1958) was in a young expectant mother who had received her first dose of vaccine 6 days previously. Of the other 18 cases, 15, including 2 fatal cases, had had no vaccination protection, 2 had received two doses of vaccine, and 1 had received one dose. None of these latter 3 had serious residual paralysis.

The **County Council Welfare Centres and Services** are listed on page 18.

Nearly all the figures of attenders and attendances, given in Table 30 (p. 19) show a rise of between 10 and 12½%, and in some cases substantially more, over the corresponding figures for 1960. Public demand for and use of these social and preventive services is thus well maintained, despite the other advantages which the new National Health Service Act of 1946 brought to all as patients each with a personal family doctor. The Health Visitors are again referred to below.

**Nursing Staff and Services** are dealt with from p. 22.

In **Midwifery**, 5,424 confinements in 1961 were 227 more than in 1960; the number confined at home rose by 143, and in hospital by 84. (See also Admission of Maternity Cases to Hospital and Table 45 on p. 28).

If the number of births continues to rise, and the pleas for more hospital confinements continue, and if hospital maternity beds become fewer (and all three things seem likely), then the inevitable compromise may lie in reducing the length of stay in hospital after confinement. Such is the view of many Obstetric Specialists. The problem is far less acute in Shropshire than in the heavily populated cities of Birmingham and Wolverhampton. Some would allow mothers to return home 48 hours after a normal birth, still others think that a few hours is long enough for her to stay in hospital. Midwives are a governing consideration. If only 1 in 4 who qualifies as a midwife elects to practise, there is urgent need to discover why this is so. Such a vastly accelerated turnover in hospital confinements as would result from a "48 hour stay", or a "delivery only" policy, may still further reduce recruitment of midwives to the labour wards, or drive still more from any kind of midwifery to the many other branches of the nursing profession which are open to them. The goodwill of the Midwives must be woo'ed assiduously, if only because on them so much depends. Their counsel in the Local Maternity Liaison Committee is needed about this and other matters.

The **County Council Midwives'** work in 1961 is described from p.25. That Rhesus testing of mothers' blood has been done in 98% of cases in each of the last 4 years is good; and some details and an example of the procedure in these cases are given on pp. 26 and 27.

For **Pre-Eclamptic Toxaemia** (p. 28) 246 cases had special care. In these cases, the number of stillbirths were twice, and of neonatal deaths two-and-a-half times, those for the same number of toxaemia cases in 1960. This, and a maternal death from Eclampsia, underline how serious this complication of pregnancy can prove.

Stillbirths expressed as a percentage of 'toxaemic' births gave a rate more than twice that for all births; the same applied in respect of perinatal mortality; Neonatal deaths, too, were substantially more in toxaemia cases.

Under the heading of Statistics above, allusion has been made to the beginning of **Health Visiting** in Manchester and Salford 100 years ago. It was not immediately recognised as a task for a nurse. No less a person than Florence Nightingale pointed out in her "Notes on Nursing" (1858) that "The causes of the enormous child mortality are perfectly well known; they are generally want of cleanliness, want of ventilation, careless dieting and clothing, want of white-washing; in one word defective household hygiene". She felt that the laws of health or of nursing should obtain among the well as among the sick; and that the work of "Household Hygiene" was a call to the nursing profession. From the bed to which she retired in her South Street home, and from which she wrote so prolifically to the leading men and women in all countries, she still pondered over the matter. At the age of 71 it occurred to her that the new local authorities (the County and County Borough Councils created in 1888) might be interested in this problem. She wrote to the Chairman of the Technical Instruction Committee of her County "The needs of home health bringing require different but not lower qualifications, and are more varied; they require tact and judgement unlimited to prevent the work being regarded as interference and becoming unpopular . . . (the visitor) must create a new work and a new profession for women". A special course of training was started and professional health visiting began (1892).



In Warwickshire in 1903 the Infantile Mortality Rate was 125, and there was appointed the first full-time Health Visitor. Dr. Bostock Hill, Medical Officer of Health, wrote in his Annual Report "The most memorable step taken by the County Council to guard public health was undoubtedly the appointment of a Health Visitor during the year. She found ample field for work. Her functions are rather those of a friend of the household to which she gains access . . . . In numerous instances she has been asked to return and aid the mothers and families by her help and counsel . . . . In this new departure of carrying sanitation into the homes I believe we have not only an important, but almost the only means of further improving the health of the people".

Today, 100 years from their beginnings, too many people don't know what Health Visitors do. They were called into being when lack of knowledge and care of young children were associated with an Infantile Mortality Rate of 200 or more, meaning that that number of babies died within their first year of life of every 1,000 babies born alive. Though Registration of Births began in 1837, knowledge of the birth was not necessarily available for some weeks afterwards to the Health Department, who were outmatched by the rapidity with which diseases overtook most infants, who were in so many instances dead before the birth was known. Huddersfield made history (after an interesting initial pilot scheme with an economic incentive at the Mayor's expense) in securing the passing of a local Act of 1906, requiring the father to notify the birth to the Corporation within 48 hours. This in turn led to the Notification of Births Act of 1907 which gave every Authority power to adopt it, and Notification became compulsory in 1915.

Now a new meaning was given to infant visiting. Information of the birth occurring in an area could be sent to each nurse; visits were able to begin before the Midwife ceased attendance and in collaboration with her. As new staff became available, regular periodic visits to every new baby became standard practice.

So with the Notification of Births Acts of 1907 and 1915, Local Health Authorities became responsible for watching over child life. Their Infantile Mortality Rate became the accepted criterion of a Council's efficiency as a Health Authority. The national figure was about 60 per 1,000 live births in 1931 and, as noted, was 21.6 in 1961. Better environmental hygiene and the reduction of infectious diseases, in particular the "infantile diarrhoea" so dreaded 50 years ago, have played their part, and many babies born today, it may be agreed, are in little danger of serious trouble, much less early death. A minority, however, need watchful care more than ever; and this is a point which should be emphasized. Probably not many Medical Practitioners nowadays view the activities of Health Visitors with those suspicions of 'interference' which Florence Nightingale wrote of 70 years ago, but family doctors cannot themselves accept responsibility for the welfare of the many babies they may never see. The Notification of Births Acts had this very point in mind. Notification of every birth is sent to the Medical Officer of Health of the Local Health Authority so that he can deploy responsibility for the care of every child to one of his Health Visiting staff. He and she are statutorily charged with watching over each baby, visiting it periodically if it is not attending a Welfare Centre. Naturally nowadays visiting is largely confined to families where for some special reason the need is greater. It is to this extent selective, a very big proportion of the Health Visitor's time being spent on a very small proportion of families. The notes about such families at the bottom of page 51 and top of page 52 are very relevant to this subject; they are the families who need watchful care most, and this especially for the children whom a doctor might never be invited to see. The Health Visitor is a social worker par excellence, and the best of them have perfected in the fires of experience a knowledge of social medicine which others may envy. There have been suggestions of late years that doctors might have Health Visitor services directly, and a system has been developed in Hampshire of attaching Health Visitors to doctors' practices, which is said to work very well. This has too many difficulties to be applicable here, but I am very glad when any Practitioner tells us of an individual problem in which he thinks our Health Visitors might help. We certainly try to make their aid available when asked for, and the results seem satisfactory and acceptable to all concerned. Those Practitioners who know their local Health Visitors may certainly confer locally if they wish: alternatively and perhaps more often there may be advantages in writing to or ringing up the Health Department direct, when we may suggest alternative ways of trying to help, and can usually invoke the most appropriate Health Visitor or other helper the same day.

Expansion of 'social case work', which has been so greatly advocated of recent years, may be effected best by Health Visitors. If an additional 60 to 80,000 persons, perhaps mostly young married couples and their families, are to come into residence in Dawley New Town, and in any case in relation to the "Ten Year Plan" for the development of Local Health Authority services required by the Central Government in 1962, more Health Visitors must be sought to bring the numbers employed up to and beyond those provided for by our present establishment: and the Council in July, 1962, approved proposals to this end. As in Warwickshire 60 years ago, there will be ample work for them to do. Review is called for of their areas of operation, so as to try to equate case loads and relate them to population, distances and duties required, but such reviews are difficult to carry out successfully while Local Government boundaries are as yet unsettled, and while difficulties exist about recruiting medical officer and nursing staff.

The Tables 46 and 47 on page 29 are a little complicated, but mean in effect that we have only a total (whole-time equivalent) of 47 Health Visitors against an approved establishment of 52 at present.

Table 48 shows the number of visits in 1961, increasing—except for the figures for visits to the tuberculous—by more than 10% per annum. This again is evidence that the good work of Health Visitors is being maintained.



The **Home Nursing Service** is dealt with from page 30. The numbers of cases nursed, and of visits paid, decrease every year; and this must be a subject for thought. It would be nice to think that illness is less, but since the proportion of elderly people in the population is increasing—it is said that the proportion of persons of pensionable age in the population will have increased by 28% by 1975—and the elderly unfortunately tend to be more liable to illness and accident, this is perhaps unlikely. Indeed Table 50 shows that the proportion of cases, and visits, devoted to the care of the aged in their own homes are, after a jump upward in 1956, still tending to rise. The elderly in particular should have such nursing care as is adequate and necessary, and we much prefer that family doctors ask for it (and that our nurses be alert to offer it) than that it be denied from any fear of overworking the local nurse. The consideration and help afforded by individual Practitioners to individual Nurses is often conspicuous to us centrally. Practitioners may be assured that the interests, case load and commitments of their local nursing colleagues, and the overall nursing situation as set out in Tables VI and VII at the end of this Report, are sympathetically watched in the Council's Health Department, but it is only by knowing all the needs that we can budget and secure and deploy enough nurses to meet them. Family doctors can help us if they will ask boldly for such nursing services as they consider their patients need.

Your indulgence is asked for the length of the section on **Vaccination and Immunisation** commencing on page 34. These are among the most important and topical subjects in preventive medicine today, and all who are interested in protecting people against Smallpox, Diphtheria, Whooping Cough, Tetanus and Poliomyelitis, and in the working of a Central Syringe Service will, I greatly hope, read these pages in full. Smallpox and Vaccination loomed so largely in the early months of this year and being the subject of some rather confusing 'ex cathedra' statements in July, 1962, I have tried to re-state some fundamentals, and in doing so have included my acknowledgements to a work on Smallpox published at the beginning of this century and scarcely challenged since, by two wise epidemiologists—one of whom happily is still interested.

The report on the **County Ambulance Services** beginning on page 41 gives me the opportunity to record my appreciation of the County Ambulance Officer, which indeed 'age cannot wither nor custom stale'.

For him 1961 was a difficult and trying year, as his report evidences. He came through it with honour and with the confidence and affection of his colleagues for a job well done: his conduct of the County's Ambulance Services seemed to me, as always, beyond praise.

**Prevention of Illness, Care and After-Care** is one of the most important sections in Part III of the National Health Service Act of 1946.

The Report of the Consultant Chest Physician on page 45 makes interesting and agreeable reading with its original observations. The attention he draws to figures for new notifications, which might have seemed a pipe dream even a generation ago, is warranted: as can be verified in Table 15 on page 10, which also shows that there were 155 deaths from Respiratory Tuberculosis in 1931, and 13 in 1961.

I am glad too that he has noted that the number removed from the Respiratory Tuberculosis Register as recovered during 1961 was greater than the new notifications; and still more that he refers to the need to see in proper perspective the use of 'Respiratory Tuberculosis' as a label or even as a cause of death. Only 6 out of 23 persons whose names were on the Respiratory Tuberculosis Register at the time of their deaths (and 20 were over 50, and 9 were over 70 years of age) he deems to have had active tuberculosis which was probably the direct cause of death.

The help of the Mass Radiography Units is recorded so modestly on page 46 as to be unobtrusive, but their Medical Directors and they are deeply appreciated as being invaluable in their co-operation and efficiency.

The Wolverhampton Unit operates at the Wrekin Hospital, Wellington, on the second and fourth Mondays from 10.30 to 11.45 a.m., and at Copthorne Hospital, Shrewsbury, on the same days from 2.15 to 3.30 p.m. The Stoke-on-Trent Unit is available at Whitchurch Child Welfare Centre on the first Friday of the month from 11.0 a.m. to 7.0 p.m., and at Oswestry on the first Tuesday of the month from 2.30 to 4.0 p.m. and from 5.0 to 7.0 p.m.

In connection with **Health Education**, so much recommended by the Ministries concerned for expansion by Health and Education Authorities, Mr. H. Harris has written a thoughtful report beginning on page 48. He has given devoted service to this difficult subject over some years now, and it is pleasant to record that his former garret of 6ft. by 6ft. has been replaced by a worthier office with communicating store in rented premises at 1 Swan Hill. The contributions of Mr. Blythe, former Lay Administrative Officer, and of Mr. Clarke, Principal Dental Officer, deserve special thanks, the sustained contributions to propaganda for the prevention of dental decay afforded by the last named being of conspicuously high quality and attracting much notice. That home accidents reported were only half the figures for 1960, and falls which we heard about were only one quarter, may not, one feels, be merely fortuitous as the modest writer suggests, and to him some credit must surely be due.



On the **Mental Health Service**, Mr. Ward has written so comprehensive and useful a report beginning on page 57 that everyone should read it in full.

The growth of the Council's contribution to Mental Health in the last 10 years can be assessed when we realise that in 1952 no Training Centre was even projected in Shropshire.

The energy and determination of Dr. William Hall and Mr. Ward and all their helpers are evidenced by the notes on page 59 relating to Training Centres and showing the great expansions operative and imminent in these fields. Relationships with the Hospitals for mental illness are constantly being extended to the benefit of all. The Council's Mental Welfare Officers' share in the care and after-care of patients is rapidly increasing, and more of these officers will very soon be required.

It is characteristic of the Mental Health section that the officer referred to on page 57 as undertaking a Course at the London School of Economics and Political Science has recently returned with the Diploma and rank of a Psychiatric Social Worker, which is a very high qualification indeed.

The work of the **County Sanitary Officers** is described from page 63 onwards. Their report is of interest and greatly to their credit and deserves full study.

Sampling under the **Food and Drugs Act, 1955**, follows a deliberate and comprehensive plan for all articles, and Milk sampling is on a large scale. The details and ramifications of recent legislation relating to Milk, which are of great interest, are clearly set out. The first case cited in Table 95 followed a complaint telephoned on the afternoon of Christmas Day.

The **Sanitary Circumstances of the County** occupy their usual position near the end of this report, commencing on page 68.

Comments on **Housing** on page 69 and the tables which follow underline a thesis propounded here before, that Housing Authorities might bring their information up to date about the properties in respect of which they collect rates. Even if capital grants and central sanction be restricted and progress thereby retarded, a period of relative prosperity gives to Housing Authorities the opportunity to pursue and muster all the information they can obtain so that factual knowledge can form a solid basis on which to build the sound sanitary amenities for the provision of which they are responsible.

The Minister of Housing and Local Government has recently in his Circular 42/62 on Improvement of Houses asked every Local Authority with houses worth improving to think how they can make better progress, and to let him know by the end of the year what action they propose to take.

These are indeed formidable tasks in respect of the very sparsely populated areas in some Rural Districts: it is the more creditable that not a few of the latter are so vigorously pursuing these objectives.

The reports on **Sewage Effluents** furnished by the Severn River Board speak for themselves. In very round figures, of rather more than half a gross of samples, about a dozen are thoroughly bad, less than a dozen are good, about 3½ dozen are unsatisfactory, and about 1½ dozen are fair.

The Reports of the Salop County Medical Officers of 60 and 50 years ago are robust and forthright and direct indeed in their comments on the subject of Water Supplies and Sewerage. The County Council had perhaps a more direct interest then. While they can scarcely regard these results in 1961 with equanimity, neither do they seem to be in a position to do very much to make matters better, the situation being one for the District Councils themselves and the River Board.

The usual 'big' Tables I—X come at the end of the Report. Space does not allow one to dilate on them, but they are as tremendous in interest as they are in detail.

To the many Voluntary Organisations thanks are due for their generous and valued contributions to the Local Health Services, and to the Council's other Departments for their continued co-operation and assistance so readily given.

Reference is made in the previous page to Mr. T. R. Blythe as former Lay Administrative Officer of this Department, and this calls for explanation. I found, when I came here in 1953, a good administrative organisation, built up largely by Mr. Blythe, which has operated very well indeed. In his years since 1944 as senior lay officer Mr. Blythe had ever been forward-looking, and more recently had confided in me his altruistic intention of devoting his efforts after retirement to voluntary work for the aged and others. In more recent times he organised an efficient Health Education Service in the Department, himself taking an active part in talks to Old People's Clubs, Brains Trusts, etc., and in the Shropshire Old People's Annual Festival.

In this way his work became known to and appreciated by the County Welfare Department and in anticipation of the recent retirement of Mr. W. H. Hughes as Secretary of the Shropshire Old People's Voluntary Welfare Committee, the County Welfare Officer let it be known that he would welcome Mr. Blythe to take over this responsible position and other Welfare duties.

By general agreement, therefore, Mr. Blythe transferred to the County Welfare Department from 1st April, 1962.

The Welfare Department's gain has been the Health Department's loss, but the needs of the former seemed to be for an officer with some rather unusual qualities which Mr. Blythe rather conspicuously evinced, of sympathy and compassion and diplomacy, and the appointment seems to be working to advantage. For my part, and in saying how glad I am still to have Mr. Blythe near us in spirit and contact, in a work and Department with whom we enjoy so constant and frequent liaison, I record with the greatest sincerity my appreciation of his years of loyal and devoted work for the Health Committee and Department, and my personal gratitude for his great help to me.

The entire staff of the Health Department deserve great credit for their cheerful persistence and hard and efficient work through an exacting and testing year. To Mr. A. R. Brawn belongs credit for marshalling and editing and guiding me and the pages through the complex processes which lead to publication, and this is only one facet of his sterling work for the Health Services and Department in Shropshire.

Professor Fraser Brockington of Manchester has been good enough to allow me to quote from his admirable writings some of the historical and biographical details relating to Health Visiting, and his courtesy is acknowledged.

The Council's interest in the work of the Department and their support of new developments and recognition of the service rendered by the staff are acknowledged with appreciation. For their encouragement and understanding in the many problems with which the Department is confronted I express my gratitude to the Chairmen and Members of the Health Committee and Sub-Committees.

I have the honour to be, Mr. Chairman, My Lords, Ladies and Gentlemen,

Your obedient Servant,

T. S. HALL,

COUNTY MEDICAL OFFICER OF HEALTH.

COUNTY HEALTH OFFICE,  
COLLEGE HILL, SHREWSBURY.

*September, 1962.*



## HEALTH COMMITTEE AND SUB-COMMITTEES

(As at December, 1961)

### HEALTH COMMITTEE

#### CHAIRMAN :

ALDERMAN THE REV. R. A. GILES, M.A., B.Litt. (Oxon.)

#### VICE-CHAIRMAN :

COUNCILLOR R. J. S. PARRY-JONES, J.P.

#### ALDERMEN :

BOYNE, DOWAGER THE VISCOUNTESS, C.B.E., J.P.,  
LL.D., D.G.St.J.

CROFT, E. H.

FELL, W. M. W., M.Sc. (Vice-Chairman of Council)

FORESTER, THE RT. HON. THE LORD, J.P., D.L.

HAMAR, DR. L. A.

POWELL, T. P.

STEVENTON, T. O.

THOMAS, E. B., J.P.

WAKEMAN, CAPTAIN SIR OFFLEY, Bt., C.B.E., J.P., D.L.  
(Chairman of Council)

#### COUNCILLORS :

ATTLEE, DR. W. O., J.P.

BEALE, REV. W. G., M.A.

DAWSON, G. A.

HARRISON, MRS. E.

JONES, T.

JONES, T. H.

MCDONALD, L.

MORRIS, MRS. E. L., J.P.

MORRIS, T. E.

PARRY-JONES, R. J. S., J.P.

POWIS, D. O.

RHAIADR-JONES, J. R.

SMITH, C.

STEPHENS, MRS. I. E.

WOOD, A. J. (Deceased 23rd January, 1962)

#### CO-OPTED MEMBERS :

BECKETT, H. R.

JELICOE-WALL, H.

RYLE, DR. J. C.

POOLER, DR. W. R. H.

CHOLMONDELEY, MRS. V. M., J.P.  
(Vacancy)

} Nominated by Shrewsbury Town Council

} Nominated by Shrewsbury Local Medical Committee  
(representing General Medical Practitioners)

Co-opted member of Health (Nursing) Sub-Committee

### HEALTH (GENERAL PURPOSES) SUB-COMMITTEE

CHAIRMAN OF COUNCIL

VICE-CHAIRMAN OF COUNCIL

BEALE, REV. W. G.

BOYNE, DOWAGER THE VISCOUNTESS

DAWSON, G. A.

GILES, REV. R. A. (Chairman)

HAMAR, DR. L. A.

MORRIS, MRS. E. L.

MORRIS, T. E.

PARRY-JONES, R. J. S.

POOLER, DR. W. R. H.

POWELL, T. P.

RHAIADR-JONES, J. R.

STEPHENS, MRS. I. E.

STEVENTON, T. O.

THOMAS, E. B.

### HEALTH (NURSING) SUB-COMMITTEE

CHAIRMAN OF COUNCIL

VICE-CHAIRMAN OF COUNCIL

ATTLEE, DR. W. O.

BOYNE, DOWAGER THE VISCOUNTESS

GILES, REV. R. A.

HAMAR, DR. L. A.

HARRISON, MRS. E.

MORRIS, MRS. E. L. (Chairman)

PARRY-JONES, R. J. S.

POOLER, DR. W. R. H.

RYLE, DR. J. C.

SMITH, C.

STEVENTON, T. O.

THOMAS, E. B.

#### Co-opted Members:

BOROUGH, MRS. M. L.

CHOLMONDELEY, MRS. V. M.

MACLEAN, MRS. G.

OSMOND, MRS. D.

STEPHENS, MRS. I. E.

WAKEMAN, MRS. P. L. A.

WOOD, MISS N.

### HEALTH (WATER) SUB-COMMITTEE

CHAIRMAN OF COUNCIL

VICE-CHAIRMAN OF COUNCIL

CROFT, E. H.

DAWSON, G. A.

GILES, REV. R. A.

JONES, T.

JONES, T. H.

MCDONALD, L.

PARRY-JONES, R. J. S.

RHAIADR-JONES, J. R. (Chairman)

STEVENTON, T. O.

THOMAS, E. B.

WOOD, A. J.

## MEDICAL, DENTAL AND ANCILLARY STAFFS

### County Medical Officer of Health and Principal School Medical Officer:

THOMAS S. HALL, M.B.E., T.D., M.D., B.Sc., B.Ch., D.Obst.R.C.O.G., D.P.H.

### Deputy County Medical Officer and Deputy Principal School Medical Officer:

\*WILLIAM HALL, M.B., Ch.B., M.R.C.S., L.R.C.P., D.Obst.R.C.O.G., D.P.H.

### Senior Medical Officer:

NORA V. CROWLEY, M.B., B.Ch., B.A.O., D.C.H., L.M.

### Administrative Assistant Medical Officer:

ALICE N. O'BRIEN, M.B., Ch.B.

### Assistant County, School and District Medical Officers:

ELIZABETH CAPPER, M.B., Ch.B., D.P.H.

CLEMENT B. HIGGIE, M.R.C.S., L.R.C.P., D.P.H.

ALASTAIR C. MACKENZIE, M.D., Ch.B., D.P.H.

PHILIP C. MOORE, B.Sc., M.B., B.Ch., D.Obst.R.C.O.G., D.P.H.

MARGARET H. F. TURNBULL, M.B., Ch.B., D.P.H.

### Assistant County and School Medical Officers:

KATHLEEN M. BALL, M.B., B.Ch., B.A.O., D.P.H. (Retired 31st October, 1961)

AGNES D. BARKER, M.B., Ch.B.

SHEILA M. G. CROSLAND, M.B., B.S. (Part-time) (Resigned 24th June, 1961)

KENNETH E. JONES, M.B., Ch.B. (Appointed 20th November, 1961)

LUDWIK Z. MARCZEWSKI, Medical Diploma (Lwow, Poland) (Appointed 1st April, 1961)

FLORA MACDONALD, M.B., B.S., D.P.H.

ELIZABETH R. POLLARD, L.R.C.P., L.R.C.S., L.R.F.P.S. (Part-time)

VIOLET G. PRITCHARD, M.B., B.S., M.R.C.S., L.R.C.P., D.C.H. (Part-time) (Resigned 17th November, 1961)

### Principal Dental Officer:

CHARLES D. CLARKE, L.D.S.

### Assistant Dental Officers:

#### *Whole-time:*

PAUL H. BRITTON, L.D.S. (appointed 20th February, 1961)

NOEL GLEAVE, L.D.S.

GEOFFREY H. STOUT, L.D.S.

GEORGE B. WESTWATER, L.D.S.

#### *Part-time:*

RONALD CULLWICK, L.D.S., D.L. (Deceased 1st February, 1962)

ROY DENVILLE JONES, L.D.S., R.F.P.S.

REGINALD H. N. OSMOND, L.D.S.

JEAN W. PATTISON, L.D.S. (appointed 14th February, 1961)

### Dental Technicians:

NORMAN J. RUSHWORTH

CLIVE EVERINGHAM (Apprentice)

### Dental Hygienist:

NANCY SMITH

### Superintendent Nursing Officer, Superintendent Health Visitor and Non-Medical Supervisor of Midwives:

FRANCES M. ROGERS, S.R.N., S.C.M., Q.N., H.V.

### Deputy Superintendent Nursing Officer:

RITA M. HUGHES, S.R.N., S.C.M., Q.N., H.V.

### Assistant Superintendent Nursing Officers:

VERLIE M. GEORGE, S.R.N., S.C.M., Q.N., H.V. (resigned 11th February, 1961)

CONSTANCE M. GRIERSON, S.R.N., S.C.M., Q.N., H.V. (appointed 1st May, 1961)

GLADYS M. WILLCOCKS, S.R.N., S.C.M., Q.N., H.V.

### Lay Administrative Officer:

THOMAS R. BLYTHE

### Chief Clerk:

CYRIL PROPHET

### County Sanitary Officer:

DAVID COUPS, Cert. R.S.I.

### Assistant County Sanitary Officer:

GEORGE R. HALL, Cert. R.S.I.

### County Ambulance Officer:

WALTER WALKER

### Consultant Children's Psychiatrist (Part-time):

BARBARA J. EVANS, M.D. (New York), M.B., B.S., M.R.C.S., L.R.C.P., D.P.M.

### Psychiatric Social Worker:

KATHLEEN E. HUNT, B.A.

### Senior Speech Therapist:

EDWARD PAULETT, L.C.S.T.

### Speech Therapists:

JILL BELLIS, L.C.S.T.

SHIENA M. BOWEN, L.C.S.T. (resigned 31st March, 1961)

CHRISTINE BROWNLOW, L.C.S.T. (appointed 4th September, 1961)

ANITA LEESON, L.C.S.T.

\*Also District Medical Officer of Health



**Tuberculosis Health Visitor:**  
ENID THOMAS, S.R.N., H.V.

**Senior Mental Welfare Officer:**  
ERNEST A. R. WARD

**Mental Welfare Officers:**  
DILLWYN B. DAVIES (appointed 10th June, 1961)  
IDRIS E. EVANS (appointed 1st March, 1961)  
CHARLES T. FRANCIS  
ALBERT E. KENT (appointed 27th September, 1961)  
KATHLEEN G. TEAGUE  
GEORGE WRIGLEY (resigned 16th April, 1961)  
KENNETH WYCHERLEY

**Occupation Centre Supervisors:**  
MARY E. C. TYLER, Dip. N.A.M.H.  
ETHEL E. WARD, S.R.N., S.C.M., H.V.

*Officers employed by the Birmingham Regional Hospital Board and undertaking part-time duties on behalf of the County Council:*

**Consultant Chest Physician:**  
ARTHUR T. M. MYRES, B.A., B.M., B.Ch. (Oxon.), M.R.C.P. (Ed.), M.R.C.S., L.R.C.P.

**Chest Physician:**  
PHILIP E. PERCEVAL, M.B., B.Ch.

**Consultant Orthodontists:**  
BRIAN T. BROADBENT, F.D.S.  
MICHAEL F. SCOTT, L.D.S.

## LOCAL GOVERNMENT ACT, 1933—SECTION 111

### Medical Officers of Health of County Districts

The table below shows the systems of "mixed appointments" and "combined districts" operating on 31st December, 1961. With the exception of the North-East Salop United Districts the whole of the County is covered by Medical Officers employed jointly by the District Councils and the County Council.

With the retirement in October, 1961, of Dr. W. A. M. Stewart as whole-time District Medical Officer of Health to the North-East Salop United Districts, negotiations were opened with the District Councils concerned to bring into operation arrangements formulated by the County Council in 1957 under Section 111 of the Local Government Act, 1933, whereby they would be served by "mixed appointment" Medical Officers appointed jointly by the District Councils and the County Council.

At the time of writing, these negotiations are still continuing.

Table 1: District Medical Officers of Health

| Medical Officer                                                                                                  | Districts                | Acreage | Population  |                    |
|------------------------------------------------------------------------------------------------------------------|--------------------------|---------|-------------|--------------------|
|                                                                                                                  |                          |         | Census 1961 | Estimated Mid-1961 |
| <i>Mixed Appointments:</i>                                                                                       |                          |         |             |                    |
| A. C. MACKENZIE, M.D., Ch.B., D.P.H.                                                                             | Shrewsbury Borough ..    | 8,118   | 49,726      | 49,810             |
| P. C. MOORE, B.Sc., M.B., B.Ch.,<br>D.Obst.R.C.O.G., D.P.H.                                                      | Oswestry Borough ..      | 2,173   | 11,193      | 11,380             |
|                                                                                                                  | Oswestry Rural ..        | 61,524  | 18,914      | 19,540             |
| C. B. HIGGIE, M.R.C.S., L.R.C.P., D.P.H.                                                                         | Ellesmere Urban ..       | 1,220   | 2,254       | 2,280              |
|                                                                                                                  | Wem Urban ..             | 903     | 2,603       | 2,580              |
|                                                                                                                  | Whitchurch Urban ..      | 6,053   | 7,159       | 7,090              |
|                                                                                                                  | Ellesmere Rural ..       | 48,253  | 7,032       | 7,470              |
|                                                                                                                  | Wem Rural ..             | 60,343  | 11,594      | 12,120             |
| M. H. F. TURNBULL, M.B., Ch.B., D.P.H.                                                                           | Bridgnorth Borough ..    | 2,645   | 7,552       | 7,510              |
|                                                                                                                  | Wenlock Borough ..       | 22,657  | 14,929      | 14,950             |
|                                                                                                                  | Bridgnorth Rural ..      | 100,897 | 14,865      | 15,100             |
| W. HALL, M.B., Ch.B., M.R.C.S., L.R.C.P.,<br>D.Obst.R.C.O.G., D.P.H.                                             | Bishop's Castle Borough  | 1,867   | 1,229       | 1,220              |
|                                                                                                                  | Church Stretton Urban .. | 6,198   | 2,712       | 2,700              |
|                                                                                                                  | Atcham Rural ..          | 134,490 | 22,306      | 22,680             |
|                                                                                                                  | Clun Rural ..            | 132,512 | 8,683       | 8,510              |
|                                                                                                                  | Ludlow Rural ..          | 112,823 | 13,242      | 13,390             |
| E. CAPPER, M.B., Ch.B., D.P.H.                                                                                   | Ludlow Borough ..        | 1,068   | 6,774       | 6,690              |
| <i>Whole-time:</i>                                                                                               |                          |         |             |                    |
| W. A. M. STEWART, M.B., Ch.B., L.R.C.P.,<br>L.R.F.P.S., D.P.H., Barrister-at-Law<br>(Retired 31st October, 1961) | Dawley Urban ..          | 3,259   | 9,553       | 9,540              |
|                                                                                                                  | Market Drayton Urban ..  | 1,216   | 5,853       | 5,840              |
|                                                                                                                  | Newport Urban ..         | 768     | 4,370       | 4,460              |
|                                                                                                                  | Oakengates Urban ..      | 2,396   | 12,158      | 12,170             |
|                                                                                                                  | Wellington Urban ..      | 2,281   | 13,630      | 14,040             |
|                                                                                                                  | Drayton Rural ..         | 54,058  | 9,291       | 9,760              |
|                                                                                                                  | Shifnal Rural ..         | 39,562  | 14,234      | 14,800             |
|                                                                                                                  | Wellington Rural ..      | 54,516  | 25,457      | 26,290             |
| TOTAL ..                                                                                                         |                          | 861,800 | 297,313     | 301,920            |

# Annual Report for 1961

## ADMINISTRATION

The work of the County Health Department is controlled by the Health Committee, certain powers being delegated to a number of Sub-Committees, the composition and duties of which are as indicated below:

### HEALTH (GENERAL PURPOSES) SUB-COMMITTEE :

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Chairman and Vice-Chairman of the Council          | } <i>Ex-officio</i> |
| Chairman and Vice-Chairman of the Health Committee |                     |
| Chairmen of the Nursing and Water Sub-Committees   |                     |
| Ten members of the Health Committee                |                     |

To deal with day-to-day matters of urgency connected with the administration of the Local Health Services, including matters related to the Ambulance Service; to advise the Health Committee as to the administration of the Mental Health Service; and to exercise the Council's powers under the Milk (Special Designations) Regulations, 1960; and Sections 37—38 of the Food and Drugs Act, 1955 (Sale of designated milk by retail in specified areas).

### HEALTH (NURSING) SUB-COMMITTEE :

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Chairman and Vice-Chairman of the Council                | } <i>Ex-officio</i> |
| Chairman and Vice-Chairman of the Health Committee       |                     |
| Ten members of the Health Committee                      |                     |
| Seven co-opted members nominated by the Health Committee |                     |

To advise the Health Committee on the administration of the Local Health Services for the care of mothers and young children; midwifery; health visiting; home nursing; vaccination and immunisation; prevention of illness, care and after-care; domestic help; supervision of midwives; registration of nursing homes and nurses' agencies; and investigations under the Midwives' Acts.

(This is also the Care Committee under the Council's scheme for the care and after-care of tuberculous patients).

### HEALTH (WATER) SUB-COMMITTEE :

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Chairman and Vice-Chairman of the Council          | } <i>Ex-officio</i> |
| Chairman and Vice-Chairman of the Health Committee |                     |
| Nine members of the Health Committee               |                     |

To consider the reports of the Council's consultant upon water supply and sewerage; to advise the Health Committee upon the exercise of their functions in relation to water supplies and sewerage and, in particular, as to the making of grants under the Local Government Act, 1958, and the Rural Water Supplies and Sewerage Acts, 1944—1955, with authority to approve schemes in principle on behalf of the County Council; and to advise the Health Committee as to the exercise of the powers and duties of the Council under the Housing Acts and the Water Acts, 1945—1948.

### National Assistance Acts, 1948—1959 :

Administration under these Acts is the responsibility of the Welfare Committee of the County Council.

## VITAL STATISTICS

|                                                    |         |            |
|----------------------------------------------------|---------|------------|
| Area of Administrative County (acres)              | .. .. . | 861,800    |
| Rateable Value (at 1st April, 1961)                | .. .. . | £3,390,712 |
| Estimated product of 1d. rate (at 1st April, 1961) | .. .. . | £13,653    |



Table 2: General Statistics

|                                                                       | Urban Districts | Rural Districts | County  |
|-----------------------------------------------------------------------|-----------------|-----------------|---------|
| <b>POPULATION:</b>                                                    |                 |                 |         |
| Estimated population (mid-1961) .. .. .                               | 152,260         | 149,660         | 301,920 |
| <b>BIRTHS:</b>                                                        |                 |                 |         |
| Live births .. .. .                                                   | 2,611           | 2,545           | 5,156   |
| Rate per 1,000 population .. .. .                                     | 17.15           | 17.00           | 17.08   |
| Illegitimate live births .. .. .                                      | 118             | 104             | 222     |
| Percentage of total live births .. .. .                               | 4.52%           | 4.09%           | 4.31%   |
| Stillbirths .. .. .                                                   | 62              | 50              | 112     |
| Rate per 1,000 live and stillbirths .. .. .                           | 23.19           | 19.26           | 21.26   |
| Total live and stillbirths .. .. .                                    | 2,673           | 2,595           | 5,268   |
| <b>INFANT DEATHS:</b>                                                 |                 |                 |         |
| Deaths under one year .. .. .                                         | 61              | 53              | 114     |
| <b>Mortality rates:</b>                                               |                 |                 |         |
| All infants per 1,000 live births .. .. .                             | 23.36           | 20.83           | 22.11   |
| Legitimate infants per 1,000 legitimate live births .. .. .           | 22.46           | 20.89           | 21.69   |
| Illegitimate infants per 1,000 illegitimate live births .. .. .       | 42.37           | 19.23           | 31.53   |
| Deaths under four weeks .. .. .                                       | 39              | 43              | 82      |
| Neo-natal mortality rate per 1,000 live births .. .. .                | 14.94           | 16.90           | 15.90   |
| Deaths under one week .. .. .                                         | 35              | 34              | 69      |
| Early neo-natal mortality rate per 1,000 live births .. .. .          | 13.40           | 13.36           | 13.38   |
| Deaths under one week and stillbirths .. .. .                         | 97              | 84              | 181     |
| Perinatal mortality rate per 1,000 total live and stillbirths .. .. . | 36.29           | 32.37           | 34.36   |
| <b>MATERNAL DEATHS:</b>                                               |                 |                 |         |
| Deaths (including abortion) .. .. .                                   | 2               | 2               | 4       |
| Rate per 1,000 live and stillbirths .. .. .                           | 0.75            | 0.77            | 0.76    |
| <b>DEATHS:</b>                                                        |                 |                 |         |
| Total deaths from all causes .. .. .                                  | 1,934           | 1,549           | 3,483   |
| Rate per 1,000 population .. .. .                                     | 12.70           | 10.35           | 11.54   |

**Population.**—The Registrar-General's estimate for mid-1961 of the population of the County, inclusive of members of the Armed Forces, was 301,920, and this is the figure used for the calculation of birth and mortality rates.

The distribution of population throughout the County is shown in Table 1 on page 85, from which it will be seen that 152,260 persons were resident in urban areas and 149,660 in rural areas. The growth of the County population is shown by comparison with the census years in the table below:

Table 3: Population

|                    | 1931 Census |      | 1951 Census |      | 1961 Census |      | 1961    |      |
|--------------------|-------------|------|-------------|------|-------------|------|---------|------|
|                    | Persons     | %    | Persons     | %    | Persons     | %    | Persons | %    |
| Urban Districts .. | 121,665     | 49.8 | 139,570     | 48.2 | 151,695     | 51.0 | 152,260 | 50.4 |
| Rural Districts .. | 122,491     | 50.2 | 150,232     | 51.8 | 145,618     | 49.0 | 149,660 | 49.6 |
| County .. .. .     | 244,156     | 100  | 289,802     | 100  | 297,313     | 100  | 301,920 | 100  |

The County population as a whole decreased by 260 compared with the previous year. Excess of births over deaths, however, gave a natural increase of 1,673.

The density of population remained as previously at 0.35 persons per acre, with 2.42 persons per acre in urban areas and 0.19 in rural areas. The most sparsely populated districts were Church Stretton (0.44 persons per acre) in urban areas and Clun (0.06) in the rural areas.

**Births.**—The live births registered in and appertaining to this County during 1961 numbered 5,156, an increase of 259 compared with the previous year and the highest since 1948. Male and female births were 2,722 and 2,434 respectively.

The birth-rate per 1,000 of population was 17.15 in urban districts, 17.00 in rural districts and 17.08 for the County.

Adjusting these rates to allow for distribution of the population by sex and age gives standardised rates of 16.98 for urban areas, 18.87 for rural areas and 18.10 for the County, compared with a provisional rate of 17.4 for England and Wales.

Of the 5,156 live births, 4,934 were legitimate and 222 illegitimate. The latter figure was one less than in 1960 and represented 4.31 per cent of the live births (a decrease of 0.24 per cent) or 43.1 per thousand live births, compared with a rate of 59 for England and Wales.

The births and birth rates for each Sanitary District of the County are shown in Table II on page 86.

**Stillbirths.**—In 1961 there were 112 stillbirths, giving a rate of 21.26 per 1,000 live and still births, as against 23.53 for the previous year, and that of 19.1 for England and Wales for 1961.

The rate per 1,000 population was 0.37.

The table below shows the stillbirth rates for Shropshire during the past decade:

**Table 4: Stillbirth Rates**

| Year | Stillbirths | Live Births | Total | Rate per 1,000<br>Live and Still births |
|------|-------------|-------------|-------|-----------------------------------------|
| 1952 | 110         | 4,670       | 4,780 | 23.01                                   |
| 1953 | 133         | 4,638       | 4,771 | 27.88                                   |
| 1954 | 118         | 4,488       | 4,606 | 25.62                                   |
| 1955 | 107         | 4,398       | 4,505 | 23.75                                   |
| 1956 | 114         | 4,424       | 4,538 | 25.12                                   |
| 1957 | 101         | 4,528       | 4,629 | 21.82                                   |
| 1958 | 109         | 4,686       | 4,795 | 22.73                                   |
| 1959 | 110         | 4,782       | 4,892 | 22.49                                   |
| 1960 | 118         | 4,897       | 5,015 | 23.53                                   |
| 1961 | 112         | 5,156       | 5,268 | 21.26                                   |

Illegitimate stillbirths numbered 9, giving a rate of 38.9 per 1,000 illegitimate live and still births.

**Infantile Mortality.**—Deaths registered in 1961 of infants who died before reaching one year of age numbered 114—an increase of 19 compared with 1960.

The infant mortality rate per 1,000 live births was 22.11, compared with 21.6 for England and Wales.

Deaths of illegitimate infants numbered 7 and 5 of these were in urban districts, giving a rate of 42.37 per 1,000 illegitimate live births, as against 31.53 for the County. The mortality rate for illegitimate infants is compared below with that for legitimate infants.

**Table 5: Mortality Rates for Legitimate and Illegitimate Infants**

| Year | Legitimate  |        |                       | Illegitimate |        |                       |
|------|-------------|--------|-----------------------|--------------|--------|-----------------------|
|      | Live births | Deaths | Rate per 1,000 births | Live births  | Deaths | Rate per 1,000 births |
| 1952 | 4,463       | 114    | 25.54                 | 207          | 1      | 4.83                  |
| 1953 | 4,431       | 109    | 24.60                 | 207          | 4      | 19.32                 |
| 1954 | 4,289       | 102    | 23.78                 | 199          | 8      | 40.20                 |
| 1955 | 4,222       | 108    | 25.58                 | 176          | 3      | 17.05                 |
| 1956 | 4,248       | 111    | 26.13                 | 176          | 9      | 51.14                 |
| 1957 | 4,348       | 112    | 25.75                 | 180          | 6      | 33.33                 |
| 1958 | 4,472       | 85     | 19.01                 | 214          | 5      | 23.36                 |
| 1959 | 4,598       | 91     | 19.79                 | 184          | 5      | 27.17                 |
| 1960 | 4,674       | 87     | 18.61                 | 223          | 8      | 35.87                 |
| 1961 | 4,934       | 107    | 21.68                 | 222          | 7      | 31.53                 |

Below are given the causes of infant deaths registered in 1961, with comparative figures for the previous year:

**Table 6: Deaths of Infants under one year**

| Cause of Death                                                         | 1960  |         |       | 1961  |         |       | +<br>or<br>— |
|------------------------------------------------------------------------|-------|---------|-------|-------|---------|-------|--------------|
|                                                                        | Males | Females | Total | Males | Females | Total |              |
| Congenital malformations .. .. .                                       | 8     | 13      | 21    | 16    | 17      | 33    | +12          |
| Other defined and ill-defined diseases (including prematurity) .. .. . | 40    | 19      | 59    | 40    | 22      | 62    | +3           |
| Pneumonia .. .. .                                                      | 5     | 6       | 11    | 8     | 5       | 13    | +2           |
| Gastritis, enteritis and diarrhoea .. .. .                             | 1     | —       | 1     | 1     | 1       | 2     | +1           |
| Bronchitis .. .. .                                                     | —     | —       | —     | 1     | —       | 1     | +1           |
| Whooping Cough .. .. .                                                 | —     | —       | —     | —     | 1       | 1     | +            |
| Diabetes .. .. .                                                       | —     | —       | —     | —     | 1       | 1     | +1           |
| Accidents (other than motor vehicle) .. .. .                           | —     | 1       | 1     | —     | 1       | 1     | —1           |
| Malignant and lymphatic neoplasms .. .. .                              | 1     | —       | 1     | —     | —       | —     | —1           |
| Influenza .. .. .                                                      | —     | 1       | 1     | —     | —       | —     | —1           |
| TOTAL ..                                                               | 55    | 40      | 95    | 66    | 48      | 114   | +19          |

Of the 114 infants who died in 1961, no less than 47 were regarded as "premature", being 5½ lb. or less in weight at birth. Further particulars regarding these premature infants are to be found in the section of this Report dealing with "Care of Mothers and Young Children" commencing on page 14, which includes the interesting Table 27 illustrating the relationship between the birth weights of premature infants and their prospects of survival.



As will be seen from the table below, 82 of the 114 infant deaths during 1961 (or 72 per cent) occurred in the first month of life:

Table 7: Infant Deaths—Age Groups

| Age Groups     | 1959   |      | 1960   |      | 1961   |      |
|----------------|--------|------|--------|------|--------|------|
|                | Deaths | %    | Deaths | %    | Deaths | %    |
| Under one week | 63     | 65.6 | 67     | 70.5 | 69     | 60.5 |
| 1—4 weeks ..   | 11     | 11.5 | 5      | 5.3  | 13     | 11.4 |
| 1—12 months .. | 22     | 22.9 | 23     | 24.2 | 32     | 28.1 |
| Total ..       | 96     | 100  | 95     | 100  | 114    | 100  |

*Neo-natal deaths.*—Although much progress has been made in reducing the infant mortality rate in this County—it has been more than halved in the past twenty years—the mortality of infants during the first month of life has continued to be the main obstacle to further progress.

The neo-natal mortality rate for 1961 of 15.90 per 1,000 live births is higher than for three years and compares unfavourably with that of 15.5 for England and Wales.

Table 8: Infant Mortality Rates

| Year | Infant Mortality |                            | Neo-Natal Mortality |                    |                            |
|------|------------------|----------------------------|---------------------|--------------------|----------------------------|
|      | Deaths           | Rate per 1,000 Live Births | Deaths              | % of Infant Deaths | Rate per 1,000 Live Births |
| 1952 | 115              | 24.63                      | 73                  | 63.5               | 15.63                      |
| 1953 | 113              | 24.36                      | 80                  | 70.8               | 17.25                      |
| 1954 | 110              | 24.51                      | 84                  | 76.4               | 18.72                      |
| 1955 | 111              | 25.23                      | 77                  | 69.4               | 17.51                      |
| 1956 | 120              | 27.12                      | 84                  | 70.0               | 18.99                      |
| 1957 | 118              | 26.06                      | 87                  | 73.7               | 19.21                      |
| 1958 | 90               | 19.21                      | 64                  | 71.1               | 13.66                      |
| 1959 | 96               | 20.08                      | 74                  | 77.1               | 15.47                      |
| 1960 | 95               | 19.40                      | 72                  | 75.8               | 14.70                      |
| 1961 | 114              | 22.11                      | 82                  | 71.9               | 15.90                      |

*Perinatal Mortality.*—Perinatal deaths are those occurring near to birth and perinatal mortality is, therefore, based upon deaths of infants under one week and stillbirths.

Deaths under one week totalled 69 in 1961, and stillbirths 112, giving a mortality rate of 34 per 1,000 live and still births, compared with 37 in 1960. The provisional rate for England and Wales for 1961 was 32.2.

Table 9: Perinatal Mortality Rates

| Year | Deaths under one week | Stillbirths | Total | Rate per 1,000 live and still births |
|------|-----------------------|-------------|-------|--------------------------------------|
| 1958 | 56                    | 108         | 164   | 34                                   |
| 1959 | 63                    | 110         | 173   | 35                                   |
| 1960 | 67                    | 118         | 185   | 37                                   |
| 1961 | 69                    | 112         | 181   | 34                                   |

*Maternal Mortality.*—Deaths registered in 1961 and attributed directly or indirectly to pregnancy numbered 4, giving a rate of 0.76 per 1,000 live and still births, compared with 0.33 for England and Wales.

Causes of death were as indicated below:—

|    | Age | Cause                                                                                              |
|----|-----|----------------------------------------------------------------------------------------------------|
| 1. | 23  | 1. Pulmonary embolism.<br>2. Femoral and pelvic venous thrombosis.                                 |
| 2. | 22  | 1. (a) Cardio-renal failure.<br>(b) Complete anuria due to<br>(c) Post parturition renal necrosis. |
| 3. | 32  | 1. Eclampsia.                                                                                      |
| 4. | 33  | 1. Pulmonary embolism associated with pregnancy.                                                   |

The following table compares the maternal mortality rates for Shropshire with those for England and Wales over the past ten years:—

Table 10: Maternal Mortality

| Year | Deaths | Rate per 1,000 live and still births |                   |
|------|--------|--------------------------------------|-------------------|
|      |        | Shropshire                           | England and Wales |
| 1952 | 6      | 1.25                                 | 0.72              |
| 1953 | 2      | 0.42                                 | 0.76              |
| 1954 | 3      | 0.65                                 | 0.69              |
| 1955 | 4      | 0.88                                 | 0.64              |
| 1956 | 3      | 0.66                                 | 0.56              |
| 1957 | 1      | 0.22                                 | 0.47              |
| 1958 | 2      | 0.42                                 | 0.43              |
| 1959 | —      | —                                    | 0.38              |
| 1960 | 6      | 1.20                                 | 0.39              |
| 1961 | 4      | 0.76                                 | 0.33              |

Thus our maternal mortality rate in Shropshire was more than twice that for England and Wales in 1961, as it had been three times that for England and Wales in 1960, when I wrote on the subject at some length. In 1961, a Local Maternity Liaison Committee for the Shropshire Area was formed and the Obstetric Consultants are providing periodical reviews on clinical midwifery subjects much appreciated by those who attend.

It was in 1961 that Ministry of Health Circulars LHAL. 3/61 and E.C.N. 34 reiterated the virtues of co-operation, the use of Local Authorities' Services and, more particularly, the use of Consultant Obstetric Specialists to give domiciliary advice in cases of doubt, difficulty or danger, reminding readers that these Specialist Services are available for the benefit of and without cost to the patient, and that patients with late signs of toxæmia should be admitted to hospital.

**Deaths—General.**—The number of deaths registered in 1961 as appertaining to Shropshire was 3,483—an increase of 246 compared with 1960. Male and female deaths were 1,805 and 1,678 respectively.

The crude death rate for the year was 11.54 per 1,000 population for the County as a whole and the standardised rate 11.66, compared with 12.0 for England and Wales.

Deaths in chronic sick and mental hospitals have been assigned to the area of occurrence where the deceased has been resident there for six months or more.

Table 11 below shows the standardised death-rates for Shropshire for the past three years, with comparable rates for England and Wales.

Table 11: Standardised Death-rates

|                      | 1959  | 1960  | 1961  |
|----------------------|-------|-------|-------|
| Urban Districts ..   | 11.62 | 11.34 | 11.94 |
| Rural Districts ..   | 10.84 | 10.33 | 11.28 |
| Shropshire ..        | 11.32 | 10.92 | 11.66 |
| England and Wales .. | 11.6  | 11.5  | 12.00 |

Full information with regard to deaths registered in 1961, showing cause, sex and age groups in the Sanitary Districts of the County, is given in Tables III and IV on pages 87 and 88, but while these are of interest, the temptation to interpret such small numbers too seriously should be resisted.

Table 12: Principal Causes of Death

| Cause of Death                                                   | 1961   |                           |                   | 1960   |                           |                   | 1959   |                           |                   |
|------------------------------------------------------------------|--------|---------------------------|-------------------|--------|---------------------------|-------------------|--------|---------------------------|-------------------|
|                                                                  | Deaths | Rate per 1,000 population | % of total deaths | Deaths | Rate per 1,000 population | % of total deaths | Deaths | Rate per 1,000 population | % of total deaths |
| Heart disease .. .. .                                            | 1,153  | 3.82                      | 33.10             | 1,066  | 3.53                      | 32.93             | 1,128  | 3.76                      | 33.83             |
| Vascular lesions of nervous system                               | 564    | 1.87                      | 16.19             | 588    | 1.95                      | 18.17             | 549    | 1.83                      | 16.47             |
| Cancer (including leukaemia) ..                                  | 557    | 1.84                      | 15.99             | 540    | 1.79                      | 16.68             | 552    | 1.84                      | 16.56             |
| Diseases of the circulatory system (other than heart disease) .. | 145    | 0.48                      | 4.16              | 153    | 0.51                      | 4.73              | 117    | 0.39                      | 3.51              |
| Pneumonia .. .. .                                                | 142    | 0.47                      | 4.08              | 127    | 0.42                      | 3.92              | 128    | 0.43                      | 3.84              |
| Bronchitis .. .. .                                               | 126    | 0.42                      | 3.62              | 128    | 0.42                      | 3.95              | 159    | 0.53                      | 4.77              |
| Influenza .. .. .                                                | 85     | 0.28                      | 2.44              | 8      | 0.03                      | 0.25              | 77     | 0.26                      | 2.31              |
| Accidents (other than motor vehicle)                             | 69     | 0.23                      | 1.98              | 71     | 0.23                      | 2.19              | 63     | 0.21                      | 1.89              |
| Motor vehicle accidents .. ..                                    | 50     | 0.17                      | 1.44              | 50     | 0.17                      | 1.54              | 44     | 0.15                      | 1.32              |
| Congenital malformations .. ..                                   | 46     | 0.15                      | 1.32              | 29     | 0.09                      | 0.90              | 26     | 0.08                      | 0.78              |
| Suicide .. .. .                                                  | 39     | 0.13                      | 1.12              | 29     | 0.09                      | 0.90              | 41     | 0.14                      | 1.23              |
| Other diseases of respiratory system (excluding Tuberculosis) .. | 36     | 0.12                      | 1.03              | 23     | 0.08                      | 0.71              | 31     | 0.10                      | 0.93              |
| Ulcer of stomach and duodenum ..                                 | 27     | 0.09                      | 0.78              | 24     | 0.08                      | 0.74              | 14     | 0.05                      | 0.42              |
| Nephritis and nephrosis .. ..                                    | 24     | 0.08                      | 0.69              | 20     | 0.07                      | 0.62              | 20     | 0.06                      | 0.60              |
| TOTAL ..                                                         | 3,063  | 10.15                     | 87.94             | 2,856  | 9.46                      | 88.23             | 2,949  | 9.83                      | 88.46             |



Table 12 shows the principal causes of death for 1961 in order of importance, with comparative figures for the two preceding years. In total, deaths were 246 more than in 1960, with increased mortality from heart disease (87 more), influenza (77 more), cancer (all sites including leukaemia 17 more), congenital malformations (17 more) and pneumonia (15 more). Deaths in consequence of accidents in the home and at work maintained their high level at 69—only 2 less than in 1960—and road accident deaths were the same (50).

Mortality from vascular lesions of the nervous system showed the only appreciable decrease, 564 deaths or 24 less than in 1960.

**Coronary disease and angina.**—Deaths from heart disease (which includes coronary disease and angina, hypertension with heart disease and other cardiac conditions) increased by 87 over the previous year, coronary disease taking a higher toll than ever before (598 deaths). Table 13 below shows how mortality from this disease has increased by over 70 per cent in the past 10 years.

Table 13 : Deaths from Coronary Disease and Angina

| Year | Males | Females | Total | Rate per 1,000 population |
|------|-------|---------|-------|---------------------------|
| 1952 | 227   | 119     | 346   | 1.17                      |
| 1953 | 224   | 133     | 357   | 1.19                      |
| 1954 | 293   | 147     | 440   | 1.48                      |
| 1955 | 285   | 153     | 438   | 1.47                      |
| 1956 | 279   | 140     | 419   | 1.41                      |
| 1957 | 282   | 144     | 426   | 1.43                      |
| 1958 | 343   | 172     | 515   | 1.73                      |
| 1959 | 339   | 195     | 534   | 1.78                      |
| 1960 | 344   | 190     | 534   | 1.77                      |
| 1961 | 372   | 226     | 598   | 1.98                      |

**Respiratory Diseases.**—Deaths from respiratory diseases showed no significant fluctuation, other than in the case of influenza which caused 85 deaths—77 more than in the previous year when mortality from this condition was noticeably low. Pneumonia deaths were 142 and bronchitis 126, the latter being the lowest recorded since 1952.

**Age groups.**—The table below shows the percentage of deaths by age groups and, by comparison with figures for 1931, indicates the extent to which mortality below 65 years has decreased.

Table 14 : Deaths by Age Groups

| Year | Percentage of total deaths |                |                 |                  |                  |                  |                  |                   |
|------|----------------------------|----------------|-----------------|------------------|------------------|------------------|------------------|-------------------|
|      | Under 1 year               | Over 1—under 5 | Over 5—under 15 | Over 15—under 25 | Over 25—under 45 | Over 45—under 65 | Over 65—under 75 | 75 years and over |
| 1961 | 3.27                       | 0.55           | 0.80            | .920             | 3.02             | 20.79            | 26.18            | 44.47             |
| 1960 | 2.93                       | 0.62           | 0.59            | 1.02             | 3.43             | 22.24            | 25.05            | 44.12             |
| 1959 | 2.88                       | 0.48           | 0.42            | 0.93             | 3.27             | 21.63            | 24.86            | 45.53             |
| 1958 | 2.70                       | 0.45           | 0.48            | 1.05             | 3.15             | 22.17            | 24.21            | 45.82             |
| 1957 | 3.73                       | 0.66           | 0.41            | 0.79             | 3.54             | 22.36            | 23.55            | 45.06             |
| 1956 | 3.66                       | 0.40           | 0.76            | 1.31             | 3.63             | 19.94            | 25.37            | 44.93             |
| 1955 | 3.35                       | 0.45           | 0.57            | 1.09             | 3.98             | 21.08            | 25.36            | 44.12             |
| 1954 | 3.21                       | 0.47           | 0.67            | 1.37             | 4.26             | 20.32            | 25.42            | 44.28             |
| 1953 | 3.48                       | 1.02           | 0.31            | 1.29             | 4.32             | 20.96            | 25.46            | 43.16             |
| 1952 | 3.71                       | 1.03           | 0.77            | 1.45             | 4.45             | 19.36            | 25.55            | 43.68             |
| 1931 | 6.56                       | 2.62           | 1.78            | 3.01             | 9.21             | 32.08            | 22.98            | 30.76             |

Increased mortality is shown in 1961 in the youngest (infant and school-child groups) and the oldest (over 65). The latter is to be expected, but higher mortality in infants and children is regrettable. Deaths under one year are dealt with fully on page 6; in the 5 to 15 age group, there were 28 deaths of which the main causes were cancer (6 including 3 from leukaemia), accidents other than motor vehicle (6) and motor vehicle accidents (5). (Table IV, page 88).

In the 15—25 age group, there were 32 deaths, of which 18 were due to accidents—15 on the road and 3 at home or work.

In the 45—65 age group, there were 724 deaths. Cancer accounted for 193 deaths (including 52 from cancer of the lung and bronchus and 11 from leukaemia), coronary disease 160, vascular lesions of the nervous system 88, bronchitis 29, suicide 16 and accidents 15 (11 on the roads and 4 elsewhere).

**Tuberculosis.**—During the year 13 deaths were registered from Respiratory Tuberculosis—5 more than in the previous year—giving a death rate of 0.043 per 1,000 of population.

There was in addition one death from Non-Respiratory Tuberculosis—the same as for 1960, giving a death-rate of 0.003.

For both forms of this disease, the death-rate for 1961 was 0.046 per 1,000 of population, compared with a rate of 0.072 for England and Wales.

The following table shows the notification and death-rates per 1,000 of population attributable to this County from 1922 onwards for both forms of Tuberculosis.



Table 15: Tuberculosis—Respiratory and Non-Respiratory. Notification and Death Rates

| Year | RESPIRATORY |        |                           |        | NON-RESPIRATORY |        |                           |        |
|------|-------------|--------|---------------------------|--------|-----------------|--------|---------------------------|--------|
|      | New cases   | Deaths | Rate per 1,000 population |        | New Cases       | Deaths | Rate per 1,000 population |        |
|      |             |        | Cases                     | Deaths |                 |        | Cases                     | Deaths |
| 1922 | 274         | 182    | 1.12                      | 0.74   | 118             | 58     | 0.48                      | 0.24   |
| 1923 | 273         | 157    | 1.11                      | 0.64   | 133             | 56     | 0.54                      | 0.23   |
| 1924 | 287         | 144    | 1.16                      | 0.58   | 121             | 42     | 0.49                      | 0.17   |
| 1925 | 243         | 138    | 0.99                      | 0.56   | 111             | 36     | 0.45                      | 0.15   |
| 1926 | 208         | 136    | 0.86                      | 0.56   | 117             | 34     | 0.48                      | 0.14   |
| 1927 | 191         | 129    | 0.66                      | 0.53   | 131             | 44     | 0.54                      | 0.18   |
| 1928 | 162         | 126    | 0.87                      | 0.52   | 129             | 41     | 0.53                      | 0.17   |
| 1929 | 214         | 147    | 0.79                      | 0.60   | 138             | 33     | 0.57                      | 0.14   |
| 1930 | 194         | 106    | 0.76                      | 0.44   | 119             | 34     | 0.49                      | 0.14   |
| 1931 | 184         | 155    | 0.86                      | 0.64   | 102             | 37     | 0.42                      | 0.15   |
| 1932 | 163         | 126    | 0.67                      | 0.52   | 108             | 34     | 0.44                      | 0.14   |
| 1933 | 152         | 125    | 0.62                      | 0.50   | 103             | 33     | 0.42                      | 0.14   |
| 1934 | 180         | 114    | 0.74                      | 0.47   | 93              | 29     | 0.38                      | 0.12   |
| 1935 | 182         | 124    | 0.75                      | 0.51   | 95              | 27     | 0.39                      | 0.11   |
| 1936 | 169         | 95     | 0.70                      | 0.39   | 118             | 23     | 0.49                      | 0.09   |
| 1937 | 158         | 97     | 0.66                      | 0.40   | 111             | 39     | 0.46                      | 0.16   |
| 1938 | 164         | 71     | 0.68                      | 0.29   | 114             | 20     | 0.47                      | 0.08   |
| 1939 | 156         | 91     | 0.62                      | 0.36   | 101             | 30     | 0.40                      | 0.12   |
| 1940 | 133         | 76     | 0.52                      | 0.29   | 102             | 27     | 0.40                      | 0.11   |
| 1941 | 197         | 93     | 0.72                      | 0.34   | 139             | 31     | 0.50                      | 0.11   |
| 1942 | 185         | 82     | 0.69                      | 0.31   | 140             | 32     | 0.52                      | 0.12   |
| 1943 | 193         | 113    | 0.74                      | 0.43   | 132             | 27     | 0.51                      | 0.10   |
| 1944 | 104         | 91     | 0.40                      | 0.35   | 86              | 17     | 0.33                      | 0.07   |
| 1945 | 143         | 88     | 0.56                      | 0.34   | 102             | 31     | 0.39                      | 0.12   |
| 1946 | 106         | 65     | 0.40                      | 0.25   | 64              | 21     | 0.24                      | 0.08   |
| 1947 | 141         | 87     | 0.53                      | 0.33   | 67              | 24     | 0.25                      | 0.09   |
| 1948 | 89          | 81     | 0.33                      | 0.30   | 62              | 14     | 0.23                      | 0.05   |
| 1949 | 127         | 100    | 0.47                      | 0.37   | 79              | 17     | 0.29                      | 0.06   |
| 1950 | 151         | 66     | 0.52                      | 0.23   | 77              | 10     | 0.27                      | 0.03   |
| 1951 | 109         | 53     | 0.37                      | 0.18   | 47              | 10     | 0.16                      | 0.03   |
| 1952 | 106         | 37     | 0.39                      | 0.13   | 44              | 9      | 0.15                      | 0.03   |
| 1953 | 136         | 32     | 0.45                      | 0.107  | 27              | 8      | 0.09                      | 0.027  |
| 1954 | 144         | 46     | 0.48                      | 0.154  | 27              | 5      | 0.09                      | 0.017  |
| 1955 | 153         | 25     | 0.51                      | 0.084  | 32              | 5      | 0.11                      | 0.016  |
| 1956 | 109         | 14     | 0.36                      | 0.047  | 47              | 3      | 0.16                      | 0.010  |
| 1957 | 110         | 13     | 0.37                      | 0.044  | 39              | 3      | 0.13                      | 0.010  |
| 1958 | 105         | 8      | 0.35                      | 0.027  | 34              | 1      | 0.11                      | 0.003  |
| 1959 | 81          | 17     | 0.27                      | 0.057  | 18              | 1      | 0.06                      | 0.003  |
| 1960 | 93          | 8      | 0.31                      | 0.026  | 32              | 1      | 0.11                      | 0.003  |
| 1961 | 73          | 13     | 0.24                      | 0.043  | 19              | 1      | 0.06                      | 0.003  |

Further information concerning Tuberculosis is given in the Sections of this Report dealing with "Infectious Diseases" on page 12 and "Prevention of Illness, Care and After-Care" on page 45.

**Cancer.**—Deaths from cancer during 1961 numbered 557—an increase of 17 compared with the previous year. The death-rate per 1,000 of population was 1.84—an increase of 0.05 above the rate for 1960.

Table 16: Deaths from Cancer

| Age Groups     | 1958 |     |     | 1959 |     |     | 1960 |     |     | 1961 |     |     |
|----------------|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|
|                | M    | F   | T   | M    | F   | T   | M    | F   | T   | M    | F   | T   |
| Under 15 years | 4    | —   | 4   | 1    | 2   | 3   | 8    | 4   | 12  | 5    | 4   | 9   |
| 15 to 45 years | 8    | 17  | 25  | 11   | 13  | 24  | 17   | 19  | 36  | 13   | 61  | 29  |
| 45 to 65 years | 107  | 85  | 192 | 128  | 100 | 228 | 109  | 89  | 198 | 104  | 89  | 193 |
| Over 65 years  | 161  | 131 | 292 | 158  | 139 | 297 | 150  | 144 | 294 | 187  | 139 | 326 |
| TOTAL          | 280  | 233 | 513 | 298  | 254 | 552 | 284  | 256 | 540 | 309  | 248 | 557 |

The table below lists the deaths from cancer since 1952, according to the location of the disease:

Table 17: Cancer Deaths—Sites

| Year | Malignant neoplasm |    |    |               |    |     |        |    |    |        |    |    |       |     |     | Leukaemia, aleukaemia |    |    | Total |     |     |
|------|--------------------|----|----|---------------|----|-----|--------|----|----|--------|----|----|-------|-----|-----|-----------------------|----|----|-------|-----|-----|
|      | Stomach            |    |    | Lung, br'chus |    |     | Breast |    |    | Uterus |    |    | Other |     |     | M                     | F  | T  | M     | F   | T   |
|      | M                  | F  | T  | M             | F  | T   | M      | F  | T  | M      | F  | T  | M     | F   | T   |                       |    |    |       |     |     |
| 1952 | 58                 | 33 | 19 | 37            | 4  | 41  | —      | 39 | 39 | —      | 24 | 24 | 152   | 133 | 285 | 13                    | 5  | 18 | 260   | 238 | 498 |
| 1953 | 47                 | 41 | 88 | 62            | 11 | 73  | 1      | 56 | 57 | —      | 19 | 19 | 146   | 126 | 272 | 10                    | 10 | 20 | 266   | 263 | 529 |
| 1954 | 40                 | 36 | 76 | 58            | 6  | 64  | —      | 42 | 42 | —      | 25 | 25 | 166   | 146 | 312 | 9                     | 4  | 13 | 273   | 259 | 532 |
| 1955 | 43                 | 37 | 80 | 69            | 9  | 78  | —      | 51 | 51 | —      | 17 | 17 | 157   | 158 | 315 | 5                     | 4  | 9  | 274   | 276 | 550 |
| 1956 | 38                 | 29 | 67 | 64            | 11 | 75  | —      | 48 | 48 | —      | 26 | 26 | 159   | 135 | 294 | 8                     | 8  | 16 | 269   | 257 | 526 |
| 1957 | 45                 | 36 | 81 | 83            | 4  | 87  | —      | 50 | 50 | —      | 24 | 24 | 118   | 145 | 263 | 6                     | 5  | 11 | 252   | 264 | 516 |
| 1958 | 48                 | 29 | 77 | 74            | 7  | 81  | —      | 59 | 59 | —      | 19 | 19 | 150   | 117 | 267 | 8                     | 2  | 10 | 280   | 233 | 513 |
| 1959 | 35                 | 33 | 68 | 73            | 8  | 81  | —      | 51 | 51 | —      | 28 | 28 | 182   | 130 | 312 | 8                     | 4  | 12 | 298   | 254 | 552 |
| 1960 | 53                 | 23 | 76 | 69            | 9  | 78  | —      | 58 | 58 | —      | 24 | 24 | 155   | 136 | 291 | 7                     | 6  | 13 | 284   | 256 | 540 |
| 1961 | 53                 | 26 | 79 | 90            | 12 | 102 | —      | 46 | 46 | —      | 18 | 18 | 152   | 133 | 285 | 14                    | 13 | 27 | 309   | 248 | 557 |



Although deaths from cancer generally increased in 1961 by only 17, there were significant increases in mortality from cancer of the lung and bronchus (24 more than in 1961) and leukaemia (14 more), both being the highest so far recorded in this County.

*Cancer of the Lung.*—Of the 102 deaths from this disease, 47 occurred in males in the 45—65 age group and in urban and rural areas represented 1 in 8 and 1 in 13 respectively of the male deaths in that age group.

The first table following compares the death rates from lung cancer per 1,000 of population for England and Wales with those for urban and rural areas and the County as a whole. Table 19 shows the ratios of male and female deaths from this disease to total deaths from all causes.

Table 18: Lung Cancer—Mortality Rates per 1,000 Population

| Year | Shropshire      |                 |              | England and Wales |
|------|-----------------|-----------------|--------------|-------------------|
|      | Urban Districts | Rural Districts | Whole County |                   |
| 1952 | 0.177           | 0.104           | 0.139        | 0.323             |
| 1953 | 0.344           | 0.153           | 0.244        | 0.343             |
| 1954 | 0.223           | 0.207           | 0.215        | 0.369             |
| 1955 | 0.307           | 0.221           | 0.262        | 0.389             |
| 1956 | 0.327           | 0.181           | 0.252        | 0.407             |
| 1957 | 0.380           | 0.209           | 0.292        | 0.426             |
| 1958 | 0.371           | 0.176           | 0.271        | 0.439             |
| 1959 | 0.291           | 0.248           | 0.270        | 0.464             |
| 1960 | 0.335           | 0.183           | 0.258        | 0.481             |
| 1961 | 0.459           | 0.214           | 0.338        | 0.494             |

Table 19: Ratio of Lung Cancer Deaths to All Deaths in Shropshire

| Year | Urban Districts |         | Rural Districts |         | Whole County |         |
|------|-----------------|---------|-----------------|---------|--------------|---------|
|      | Males           | Females | Males           | Females | Males        | Females |
| 1952 | 1 : 35          | — : —   | 1 : 62          | 1 : 162 | 1 : 44       | 1 : 369 |
| 1953 | 1 : 22          | 1 : 110 | 1 : 35          | 1 : 237 | 1 : 27       | 1 : 145 |
| 1954 | 1 : 32          | 1 : 873 | 1 : 31          | 1 : 148 | 1 : 31       | 1 : 269 |
| 1955 | 1 : 25          | 1 : 147 | 1 : 26          | 1 : 127 | 1 : 25       | 1 : 174 |
| 1956 | 1 : 23          | 1 : 142 | 1 : 34          | 1 : 142 | 1 : 27       | 1 : 142 |
| 1957 | 1 : 18          | 1 : 409 | 1 : 25          | 1 : 334 | 1 : 20       | 1 : 371 |
| 1958 | 1 : 20          | 1 : 148 | 1 : 31          | 1 : 709 | 1 : 24       | 1 : 228 |
| 1959 | 1 : 24          | 1 : 227 | 1 : 25          | 1 : 165 | 1 : 24       | 1 : 196 |
| 1960 | 1 : 21          | 1 : 151 | 1 : 32          | 1 : 216 | 1 : 25       | 1 : 173 |
| 1961 | 1 : 15          | 1 : 138 | 1 : 31          | 1 : 142 | 1 : 20       | 1 : 140 |

*Leukaemia.*—Deaths from Leukaemia and Aleukaemia (a disease of the blood-forming organs characterised by uncontrolled increase of the white blood cells) numbered 27 in 1961. In the past decade mortality from this disease has averaged 13.5 deaths per annum and the figure for 1961 of 27, being twice this average, gives cause for concern.

**General.**—The following tables summarise and compare the various vital statistics so far referred to in this section of the Report.

Table 20: Birth Rates, Death Rates and Analysis of Mortality, 1961

|                    | Live<br>births—<br>rate per<br>1,000<br>population | Still-<br>births—<br>rate per<br>1,000<br>live and<br>stillbirths | Death rates per 1,000 population |                  |                          |                         |                |              | Maternal<br>deaths<br>per 1,000<br>live and<br>stillbirths | Infant death rate<br>per 1,000 livebirths |                 |
|--------------------|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------|------------------|--------------------------|-------------------------|----------------|--------------|------------------------------------------------------------|-------------------------------------------|-----------------|
|                    |                                                    |                                                                   | All<br>causes                    | Tuberculosis     |                          | Cancer                  |                |              |                                                            | Under<br>4 weeks                          | Under<br>1 year |
|                    |                                                    |                                                                   |                                  | Res-<br>piratory | Non-<br>Res-<br>piratory | Lung<br>and<br>bronchus | Other<br>forms | All<br>forms |                                                            |                                           |                 |
| England and Wales  | 17.4                                               | 18.7                                                              | 12.0                             | 0.065            | 0.007                    | 0.494                   | 1.670          | 2.164        | 0.33                                                       | 15.5                                      | 21.4            |
| Shropshire . . . . | (a) 17.08<br>(b) 17.18                             | 21.26                                                             | (a) 11.54<br>(b) 11.66           | 0.043            | 0.003                    | 0.338                   | 1.507          | 1.845        | 0.76                                                       | 15.9                                      | 22.11           |

(a) Crude rate. (b) Standard rate.

Table 21 : General Statistics—Shropshire

| Year | Live Births |                           | Deaths |                           | Natural increase in Population | Infant Mortality rate per 1,000 live births | Death rates from Cancer per 1,000 of Population |
|------|-------------|---------------------------|--------|---------------------------|--------------------------------|---------------------------------------------|-------------------------------------------------|
|      | Total       | Rate per 1,000 Population | Total  | Rate per 1,000 Population |                                |                                             |                                                 |
| 1942 | 4,840       | 18.00                     | 2,973  | 11.05                     | 1,867                          | 45.04                                       | 1.680                                           |
| 1943 | 4,915       | 18.80                     | 3,186  | 12.24                     | 1,729                          | 36.01                                       | 1.839                                           |
| 1944 | 5,203       | 20.02                     | 2,969  | 11.4                      | 2,234                          | 34.21                                       | 1.751                                           |
| 1945 | 4,621       | 18.01                     | 3,056  | 11.9                      | 1,565                          | 38.95                                       | 1.711                                           |
| 1946 | 5,090       | 19.42                     | 3,177  | 12.1                      | 1,913                          | 43.03                                       | 1.768                                           |
| 1947 | 5,538       | 20.92                     | 3,251  | 12.8                      | 9,287                          | 39.73                                       | 1.786                                           |
| 1948 | 5,156       | 18.92                     | 3,219  | 10.77                     | 1,937                          | 35.49                                       | 1.729                                           |
| 1949 | 4,945       | 18.15                     | 3,294  | 12.09                     | 1,651                          | 29.52                                       | 1.893                                           |
| 1950 | 4,669       | 16.17                     | 3,219  | 11.15                     | 1,450                          | 24.39                                       | 1.71                                            |
| 1951 | 4,603       | 15.68                     | 3,719  | 12.67                     | 884                            | 30.41                                       | 1.75                                            |
| 1952 | 4,670       | 15.80                     | 3,100  | 10.49                     | 1,570                          | 24.63                                       | 1.68                                            |
| 1953 | 4,638       | 15.20                     | 3,244  | 10.84                     | 1,394                          | 24.36                                       | 1.77                                            |
| 1954 | 4,488       | 15.07                     | 3,430  | 11.51                     | 1,058                          | 24.51                                       | 1.79                                            |
| 1955 | 4,398       | 14.78                     | 3,316  | 11.14                     | 1,082                          | 25.23                                       | 1.848                                           |
| 1956 | 4,424       | 14.85                     | 3,279  | 11.0                      | 1,145                          | 27.12                                       | 1.765                                           |
| 1957 | 4,528       | 15.20                     | 3,167  | 10.63                     | 1,361                          | 26.06                                       | 1.732                                           |
| 1958 | 4,686       | 15.67                     | 3,334  | 11.15                     | 1,352                          | 19.21                                       | 1.716                                           |
| 1959 | 4,782       | 15.92                     | 3,334  | 11.10                     | 1,448                          | 20.08                                       | 1.838                                           |
| 1960 | 4,897       | 16.20                     | 3,237  | 10.71                     | 1,660                          | 19.40                                       | 1.787                                           |
| 1961 | 5,156       | 17.08                     | 3,483  | 11.54                     | 1,673                          | 22.11                                       | 1.845                                           |

NOTE.—Cancer deaths from 1950 include those due to Hodgkin's disease, leukaemia and aleukaemia.

### INFECTIOUS DISEASES

Table V on page 89 of this Report summarises the notifications of infectious diseases received during 1961.

**Tuberculosis.**—Notifications received during the year of new cases suffering from Respiratory Tuberculosis numbered 73. This figure excludes Hospital and Service cases not ordinarily resident in the County and who were already on the Tuberculosis Register in their home area, and represents a decrease of 20 new cases compared with the previous year.

There were 13 deaths from Respiratory Tuberculosis, an increase of 5 compared with the previous year.

New cases of Non-respiratory Tuberculosis numbered 19, again excluding those not ordinarily resident in Shropshire, and were 13 less than in 1960. One death—the same as in the previous two years—was ascribed to this form of the disease and occurred in a female of 54 years.

Particulars of the notified cases and deaths from Tuberculosis, classified in age groups, are given below:—

Table 22: New cases of, and deaths from, Tuberculosis during 1961

| Age Groups      | New Cases   |    |                 |    | Deaths      |   |                 |   |
|-----------------|-------------|----|-----------------|----|-------------|---|-----------------|---|
|                 | Respiratory |    | Non-Respiratory |    | Respiratory |   | Non-Respiratory |   |
|                 | M           | F  | M               | F  | M           | F | M               | F |
| Under 1 year    | —           | —  | —               | —  | —           | — | —               | — |
| 1 and under 5   | 1           | 1  | —               | 1  | —           | — | —               | — |
| 5 and under 15  | 1           | —  | 2               | 1  | —           | — | —               | — |
| 15 and under 25 | 2           | 8  | 1               | 3  | —           | — | —               | — |
| 25 and under 45 | 21          | 10 | —               | 5  | —           | — | —               | — |
| 45 and under 65 | 13          | 5  | 2               | 3  | 4           | 1 | —               | 1 |
| 65 and over     | 8           | 3  | 1               | —  | 5           | 3 | —               | — |
| TOTAL           | 46          | 27 | 6               | 13 | 9           | 4 | —               | 1 |
|                 | 73          |    | 19              |    | 13          |   | 1               |   |

New cases of respiratory disease, although 20 less than in 1960, continue to predominate in the middle-aged and older men. One cannot help noting (Table IV, page 88) the preponderance of incidence of lung cancer in this same age and sex group and wondering whether smoking, which we know to be a principal associated cause of lung cancer, can contribute towards respiratory tuberculous infection—it seems likely.

*Non-notified fatal cases.*—Of the deaths ascribed to Respiratory Tuberculosis, 3 occurred of persons who had not been notified during life as suffering from this disease, but in respect of one of these a posthumous notification was received.



**Poliomyelitis.**—Last year, for the first time since 1930, it was possible to report that there had been no case of poliomyelitis (Infantile Paralysis) notified in the County during 1960.

This condition was made first notifiable under Regulations operative from 1st September, 1912, and, since then, the only years during which no such cases have been notified in Salop have been 1915, 1917, 1929, 1930 and 1960.

Three cases of the paralytic\* form of this disease were, however, notified during 1961 and while none of these terminated fatally, two boys of three and nine years respectively were severely affected, and a married woman of 52 years was only slightly affected

These three cases, none of whom had been vaccinated against poliomyelitis, were notified as follows:

| Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| —    | —    | 1    | —    | —   | —    | —    | —    | 1     | —    | —    | 1    | 3     |

\*NOTE.—A paralytic case is defined as one in which there have been "signs of weakness or paralysis of muscles, either permanent or transient".

The table below shows the yearly incidence of, and deaths from, this disease during the past two decades:—

Table 23: Notifications of, and deaths from, Poliomyelitis

|               | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Notifications | 4    | 1    | 5    | 10   | 13   | 5    | 32   | 13   | 10   | 62   | 13   | 27   | 26   | 13   | 19   | 10   | 29   | 16   | 7    | —    | 3    |
| Deaths        | 2    | —    | —    | 1    | 1    | —    | 2    | 2    | 1    | 11   | 1    | —    | —    | 2    | 1*   | —    | 3†   | 3    | —    | —    | —    |

\*Death occurring in but not assignable to this County.

†One of these deaths was of a case not notified in this County—an airman stationed in Shropshire who was admitted to a Barrow Hospital whilst on leave and died there.

(For vaccination against poliomyelitis, see under Immunisation Service on page 39).

**Dysentery.**—The number of cases of Dysentery notified during 1961 was 46—a decrease of 59 compared with the previous year.

**Measles.**—Notifications received in respect of Measles numbered 5,651—an increase of 5,255 compared with 1960; there was no death from this disease.

**Whooping Cough.**—Notified cases of Whooping Cough totalled 198, or 43 less than in the previous year. One death from this disease was registered during 1961 and occurred in an unprotected child of 2½ months who had suffered from bronchitis for one month prior to death. (See also under Immunisation Service on page 38).

**Food Poisoning.**—The number of cases of Food Poisoning notified was 34, compared with 21 in the previous year, and none is known to have proved fatal.

**Diphtheria.**—There was one notified case of Diphtheria in this County during 1961, a boy of 13, fully immunised against the disease, who developed a sore throat with exudate some days before the onset of a mild palatal palsy. The patient made a good recovery after treatment and there were no further cases. Throat swabs from contacts at home and school proved negative.

**Smallpox.**—There was no notified case of Smallpox in this County during 1961.

**Scarlet Fever.**—The number of cases of Scarlet Fever notified during the year was 153—seventeen more than in the previous year.

## VENEREAL DISEASES

Provision for the treatment of venereal diseases is a responsibility of the Hospital and Specialist Services, and a clinic is operated by the Shrewsbury Group Hospital Management Committee at No. 1 Belmont, Shrewsbury. This is the only one in this County and serves the bordering Welsh Counties and most of Shropshire, patients residing near the eastern county boundary tending to make use of the clinics at Wolverhampton and Stafford.

Sessions are held at the Shrewsbury Clinic as under:

|         |    |           |    |                   |
|---------|----|-----------|----|-------------------|
| Females | .. | Mondays   | .. | 3.30 to 5.30 p.m. |
|         |    | Thursdays | .. | 5.00 to 7.00 p.m. |
| Males   | .. | Tuesdays  | }  | 6.00 to 8.00 p.m. |
|         |    | Fridays   |    |                   |

The following statistics relating to the attendance of Shropshire patients at the Shrewsbury Clinic have been made available through the kindness of the Venereologists, Dr. J. P. G. Rogerson (male clinic) and Dr. E. M. McCarter (female clinic):

Table 24: Shropshire cases treated in 1961

| NEW CASES FROM SHROPSHIRE                  | Males | Females | Total |
|--------------------------------------------|-------|---------|-------|
| Syphilis—late .. .. .                      | —     | 2       | 2     |
| —cardio-vascular .. .. .                   | 1     | —       | 1     |
| Gonorrhoea .. .. .                         | 7     | 3       | 10    |
| Other conditions:                          |       |         |       |
| Non-gonococcal urethritis .. .. .          | 11    | —       | 11    |
| Conditions requiring treatment .. .. .     | 30    | 9       | 39    |
| Conditions not requiring treatment .. .. . | 49    | 14      | 63    |
| Not diagnosed .. .. .                      | 1     | —       | 1     |
| TOTAL ..                                   | 99    | 28      | 127   |
| ATTENDANCES—ALL SHROPSHIRE CASES:          |       |         |       |
| Syphilis .. .. .                           | 211   | 305     | 516   |
| Gonorrhoea .. .. .                         | 35    | 155     | 190   |
| Other conditions .. .. .                   | 322   | 54      | 376   |
| TOTAL ..                                   | 568   | 514     | 1,082 |

Shropshire residents also attended as new cases at the following out-county clinic:

|                                  | Syphilis | Gonorrhoea | Other conditions | Total |
|----------------------------------|----------|------------|------------------|-------|
| Royal Hospital, Wolverhampton .. | 2        | 4          | 28               | 34    |

### CARE OF MOTHERS AND YOUNG CHILDREN

**Notifications of Births.**—Particulars are given in the following table of the births which were notified as occurring in Shropshire during 1961, with corresponding figures for the preceding four years:

Table 25: Notifications of Births

| Year | Live Births | Stillbirths | Total |
|------|-------------|-------------|-------|
| 1957 | 4,656       | 100         | 4,756 |
| 1958 | 4,855       | 106         | 4,961 |
| 1959 | 4,922       | 118         | 5,040 |
| 1960 | 5,194       | 121         | 5,315 |
| 1961 | 5,385       | 97          | 5,482 |

The births in 1961 indicated above, which include all those taking place within the County whether or not the mother is normally resident in Shropshire, were distributed as follows:

|                                  | Live Births | Stillbirths |
|----------------------------------|-------------|-------------|
| Domiciliary .. .. .              | 2,026       | 24          |
| In Hospitals and Institutions .. | 3,267       | 72          |
| In Private Nursing Homes ..      | 92          | 1           |
| TOTAL ..                         | 5,385       | 97          |

Allowing for "transfers out" (infants born in Shropshire but normally resident elsewhere) and "transfers in" (Shropshire infants born outside the County), the adjusted figures are as follows:

|                       | Live Births | Stillbirths |
|-----------------------|-------------|-------------|
| Actual .. .. .        | 5,385       | 97          |
| Transfers—Out .. .. . | 435         | 8           |
| In .. .. .            | 237         | 11          |
| Adjusted .. .. .      | 5,187       | 100         |



**Premature Births, Stillbirths and Abortions.**—For statistical and other purposes, infants whose birth weight does not exceed 5½ lb. are regarded as premature, irrespective of the period of gestation. The following table indicates the survival rate of premature infants born in 1961, whose mothers were normally resident in this County, together with corresponding figures for the preceding five years:

Table 26: Premature Infants

| Year | BORN    |             |                 |       | DIED            |                          |       | SURVIVED            |                 |
|------|---------|-------------|-----------------|-------|-----------------|--------------------------|-------|---------------------|-----------------|
|      | At Home | In Hospital | In Nursing Home | Total | Within 24 hours | Between 2nd and 28th day | Total | Alive after 28 days | Survival rate % |
| 1956 | 95      | *230        | 6               | 331   | 33              | 16                       | 49    | 282                 | 85.2            |
| 1957 | 115     | *262        | 7               | 384   | 32              | 18                       | 50    | 334                 | 86.9            |
| 1958 | 90      | 221         | *20             | 331   | 15              | 19                       | 34    | 297                 | 89.7            |
| 1959 | 82      | 267         | *17             | 366   | 31              | 16                       | 47    | 319                 | 87.2            |
| 1960 | 92      | 292         | *20             | 404   | 32              | 13                       | 45    | 359                 | 88.8            |
| 1961 | 85      | 251         | *18             | 354   | 30              | 10                       | 40    | 314                 | 88.7            |

\*Includes births at R.A.F. Hospital, Cosford.

Particulars relating to the birth weights in the case of premature live births and premature stillbirths which took place in this County during 1961 are summarised in Table 27 overleaf.

Table 27: Premature Live Births and Stillbirths, 1961

| Weight at Birth                           | PREMATURE LIVE BIRTHS |                               |                  |                                               |                               |                  |                                  |                               |                  |                                               |                               | PREMATURE STILLBIRTHS |                  |              |                      |  |
|-------------------------------------------|-----------------------|-------------------------------|------------------|-----------------------------------------------|-------------------------------|------------------|----------------------------------|-------------------------------|------------------|-----------------------------------------------|-------------------------------|-----------------------|------------------|--------------|----------------------|--|
|                                           | Born in Hospital      |                               |                  |                                               |                               |                  | Born at Home                     |                               |                  |                                               |                               | *Born in Nursing Home |                  |              |                      |  |
|                                           | Born entirely at Home |                               |                  | Transferred to Hospital on or before 28th day |                               |                  | *Nursed entirely in Nursing Home |                               |                  | Transferred to Hospital on or before 28th day |                               |                       | Born in Hospital | Born at Home | Born in Nursing Home |  |
|                                           | Total                 | Died within 24 hours of birth | Survived 28 days | Total                                         | Died within 24 hours of birth | Survived 28 days | Total                            | Died within 24 hours of birth | Survived 28 days | Total                                         | Died within 24 hours of birth | Survived 28 days      |                  |              |                      |  |
| 3 lb. 4 ozs. or less                      | 24                    | 12                            | 10               | 4                                             | 4                             | —                | 3                                | 1                             | 1                | —                                             | —                             | —                     | 14               | 5            | —                    |  |
| Over 3 lb. 4 ozs. and up to 4 lb. 6 ozs.  | 54                    | 7                             | 46               | 2                                             | —                             | 2                | 9                                | 2                             | 7                | —                                             | —                             | —                     | 10               | 4            | 4                    |  |
| Over 4 lb. 6 ozs. and up to 4 lb. 15 ozs. | 55                    | —                             | 52               | 8                                             | —                             | 8                | 8                                | —                             | 7                | 6                                             | 1                             | 5                     | 1                | 6            | —                    |  |
| Over 4 lb. 15 ozs. and up to 5 lb. 8 ozs. | 118                   | 3                             | 115              | 44                                            | —                             | 54               | 27                               | 3                             | 7                | 9                                             | —                             | 9                     | —                | 7            | 1                    |  |
| TOTAL                                     | 251                   | 22                            | 223              | 58                                            | 4                             | 54               | 27                               | 3                             | 22               | 15                                            | 1                             | 14                    | 3                | 37           | 11                   |  |
|                                           |                       |                               |                  |                                               |                               |                  |                                  |                               |                  |                                               |                               |                       |                  |              | 5                    |  |

Of 354 children who were born prematurely in 1961, a total of 314 (or 88.7 per cent) survived after 28 days, irrespective of the place of birth (home, nursing home or hospital), or degree of prematurity as evidenced by birth weight.

\*Includes R.A.F. Hospital, Cosford.



**Phenylketonuria.**—This term denotes a rare condition (the suggested distribution being one case in 10,000 births) wherein an inborn error of metabolism results in failure to convert Phenylalanine in protein to Tyrosine, with consequent excretion of Phenylpyruvic acid in the urine.

Research in the United States and this country has led eminent medical authorities to the view that if these cases are detected early enough (preferably under the age of four months) treatment with phenylalanine-restricted diet will almost certainly lead to a child of normal mentality instead of the severe mental affliction which would otherwise attend this condition.

Towards the end of 1959 a reagent strip became available whereby, at nominal cost, all young babies could be tested for this condition, and routine testing is now undertaken in all babies between the ages of six and ten weeks.

Taking the case distribution suggested above one would not expect to find more than one or two cases in five years with a birth-rate such as that in this County, but it is considered that the arrangements outlined above are well worthwhile to ensure the detection of even one case over such a period.

The following are particulars of the routine tests, all of which were found to be negative, performed by County Council Health Visitors on children born in 1961:

Table 28: Testing of Shropshire Children born in 1961

|                                   | Born in County | Born out of County | Total        |
|-----------------------------------|----------------|--------------------|--------------|
| Not tested . . . . .              | 7              | —                  | 7*           |
| Died before test . . . . .        | 78             | 10                 | 88           |
| Left County before test . . . . . | 114            | 8                  | 122          |
| Tested . . . . .                  | 4,751          | 219                | 4,970        |
| <b>TOTAL . . . . .</b>            | <b>4,950</b>   | <b>237</b>         | <b>5,187</b> |

\*Of the 7 children not tested, 2 had removed to addresses unknown, and in 5 cases parental consent for the test was refused.

As in 1960, in one of the cases tested it was thought necessary to have a laboratory report on a specimen of urine taken from the child, but this additional investigation revealed no abnormality.

**Birth Control Clinics.**—Following the opening of a Family Planning Clinic in Shrewsbury on 4th July, 1960, the County Council Birth Control Clinic at Murivance Welfare Centre was closed but that at Wellington has continued in operation. This clinic which was opened in 1956 is held from 2 to 4 p.m. on the third Wednesday in February, April, June, September and November.

It was thought that the wider scope of the service offered by the Family Planning Clinic in Shrewsbury might reduce attendances at the Wellington Clinic but these have been maintained reasonably well and the Health Committee have decided that it shall continue for the time being, the future of the clinic to be reviewed again.

Below are particulars of attendances at the Wellington Clinic from its commencement to 31st December, 1961:

Table 29: Attendances at Birth Control Clinics

| Year | Sessions | Patients |                   | Medical Supplies |             |                           |
|------|----------|----------|-------------------|------------------|-------------|---------------------------|
|      |          | New      | Total Attendances | Prescribed       | Issued free | Cost Recovered<br>£ s. d. |
| 1956 | 5        | 21       | 27                | 20               | 4           | 7 6 10                    |
| 1957 | 5        | 23       | 34                | 23               | 5           | 10 5 6                    |
| 1958 | 5        | 9        | 21                | 21               | 1           | 7 0 9                     |
| 1959 | 4        | 6        | 32                | 32               | 7           | 8 1 6                     |
| 1960 | 4        | 6        | 35                | 35               | 2           | 9 0 9                     |
| 1961 | 5        | 13       | 38                | 38               | —           | 11 5 6                    |

**Welfare Centres.**—Particulars are given below of the Welfare Centres provided by the County Council and of the services available; and table 30 on page 19 gives information with regard to the attendance at these centres and other voluntary clinics of pre-school children and expectant mothers during 1961.

**New Welfare Centres.**—Proposals to build a new Welfare Centre at Whitchurch adjacent to the Cottage Hospital for joint use by local health and hospital services, which had been in abeyance for some years owing to limitations in capital expenditure, were approved by the Minister of Health during 1960, and following acceptance by the Council early in 1961 of a tender in the sum of £17,792, the work of erection was nearing completion by the end of the year.

At the end of 1961, two projects for welfare centre provision remained outstanding, namely, at Donnington where it is hoped that welfare centre facilities will be included in a future Community Centre, and at Harlescott, Shrewsbury, where negotiations with the Borough Council for a site for a centre to serve the large housing development in the area are in hand.

# COUNTY COUNCIL WELFARE CENTRES

## KEY TO SERVICES

### Local Health Authority:

- a. Ante-natal (a/m — Midwives; a/g — G.P.s)
- au. Audiology
- b. Birth Control
- c. Child Guidance
- ch. Chiropody
- d. Dental
- e. Immunisation and Vaccination
- f. Domestic Help Office
- g. Child Welfare
- h. Group Training session
- i. Minor Ailments
- j. Mothers Club
- k. Refraction
- l. Speech Therapy
- m. Welfare Foods

### Hospital and Specialist Services, etc.:

- n. Ante-natal exercise
- o. Chest
- p. Gynaecological
- q. Medical
- r. Ministry of Health examination sessions
- s. Ophthalmic
- t. Orthopaedic
- u. Paediatric
- v. Physiotherapy
- w. Psychiatric
- x. Skin
- y. Surgical
- z. Welsh Board examination sessions

(C)—Premises owned by County Council

(R)—Rented on sessional basis

| Centre            | Address                               | Clinics                                                                                           | Frequency of Child Welfare Clinic |
|-------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|
| BASCHURCH         | Mrs. Dawson's Room                    | (R) e, g                                                                                          | 2nd Tuesday                       |
| BAYSTON HILL      | Memorial Hall                         | (R) e, g, m                                                                                       | 1st and 3rd Mondays               |
| BISHOP'S CASTLE   | Stone House                           | (R) e, g                                                                                          | 2nd and 4th Fridays               |
| BRIDGNORTH        | (1) Northgate                         | (C) a, a/m, d, e, f, g, i, l, m<br>Gp. 15 H.M.C.: o, w<br>Gp. 16 H.M.C.: p, q, s, t, u, v, x, y   | Mondays                           |
|                   | (2) Grove Estate                      | (R) e, g, m                                                                                       | 4th Thursday                      |
| BROSELEY          | Victoria Institute                    | (R) e, ch, g                                                                                      | 1st, 3rd and 5th Thursdays        |
| CHURCH STRETTON   | Silvester Horne Institute             | (R) a, e, g                                                                                       | 1st and 3rd Thursdays             |
| CLEOBURY MORTIMER | Parish Hall                           | (R) e, g, m                                                                                       | 1st and 3rd Wednesdays            |
| DAWLEY            | Doseley Road                          | (C) a, a/g, d, e, g, j, l, m, n                                                                   | Tuesdays                          |
| DONNINGTON        | (1) Turreff Hall                      | (C) a, e, g, m                                                                                    | Wednesdays                        |
|                   | (2) Ordnance Depot                    | (R) e, g                                                                                          | 2nd and 4th Fridays               |
| ELLESMERE         | Brownlow Road                         | (C) a, d, e, g, ch, l, m                                                                          | Tuesdays                          |
| HADLEY            | Old People's Rest Room                | (R) e, ch, g, m                                                                                   | 2nd and 4th Tuesdays              |
| HIGHLEY           | Miners' Welfare Annexe                | (R) a, ch, e, g, m                                                                                | 1st and 3rd Tuesdays              |
| IRONBRIDGE        | Severn Bank House,<br>The Wharfage    | (C) a, ch, e, g, m                                                                                | Fridays                           |
| LUDLOW            | (1) Cliftonville, Dinham              | (C) a, a/m, au, d, e, f, g, l, m, n<br>Gp. 15 H.M.C.: o                                           | Mondays                           |
|                   | (2) East Hamlet Hall                  | (R) e, g                                                                                          | Thursdays                         |
| MADELEY           | Church Street                         | (C) a, a/g, au, ch, d, e, g, l, m<br>Gp. 27 H.M.C.: t                                             | Wednesdays                        |
| MARKET DRAYTON    | Longslow Road                         | (C) a, d, e, f, g, i, k, l, m<br>Gp. 15 H.M.C.: w                                                 | Wednesdays                        |
| MUCH WENLOCK      | British Legion Hall                   | (R) a, e, g, m                                                                                    | 2nd and 4th Tuesdays              |
| NEWPORT           | Boyne House,<br>Beaumaris Road        | (C) a, a/m, d, e, f, g, j, l, m                                                                   | Fridays                           |
| OAKENGATES        | Stafford Road                         | (C) a, d, e, g, k, m<br>Gp. 27 H.M.C.: t                                                          | Fridays                           |
| OSWESTRY          | Upper Brook Street                    | (C) a, c, d, e, f, g, h, i, l, m<br>Gp. 15 H.M.C.: n, o, s, w<br>Gp. 27 H.M.C.: t<br>Others: r, z | Wednesdays                        |
| PONTESBURY        | Public Hall                           | (R) e, g                                                                                          | 2nd and 4th Tuesdays              |
| PREES             | Polish Camp,<br>Higher Heath          | (R) g                                                                                             | 1st and 3rd Tuesdays              |
| SHAWBURY          | Parish Hall                           | (R) e, g, m                                                                                       | Tuesdays                          |
| SHIFNAL           | Senior Social Club,<br>Currier's Lane | (R) e, g, l                                                                                       | Mondays                           |
| SHREWSBURY        | (1) Harlescote                        | (R) a, g, m                                                                                       | Tuesdays                          |
|                   | (2) Murivance                         | (R) a, au, b, e, g, i, j, l, m, n                                                                 | Tuesdays and Fridays              |
|                   | (3) White House                       | (C) a, g, m                                                                                       | Thursdays and Fridays             |
|                   | (4) Monkmoor                          | (R) e, g                                                                                          | 1st and 3rd Tuesdays              |
| ST. MARTIN'S      | Old C. of E. School                   | (R) e, g                                                                                          | 1st and 3rd Tuesdays              |
| WELLINGTON        | Haygate Road                          | (C) a, au, b, c, d, e, g, i, l, m<br>Others: r                                                    | Thursdays                         |
| WEM               | The Shrubbery                         | (C) a, ch, d, e, g, h, m                                                                          | Thursdays                         |
| WHITCHURCH        | 27 St. Mary's Street                  | (C) a, a/m, au, d, e, f, g, h, l, m<br>Gp. 15 H.M.C.: o, w                                        | Thursdays                         |



Table 30: Attendances at Child Welfare Centres during 1961

| CENTRE                  | CHILDREN                                |         |       |         |       |              |               |               |        | EXPECTANT MOTHERS                    |                   |
|-------------------------|-----------------------------------------|---------|-------|---------|-------|--------------|---------------|---------------|--------|--------------------------------------|-------------------|
|                         | CASES                                   |         |       |         |       | ATTENDANCES  |               |               |        | Total Cases (Post-natal in brackets) | Total Attendances |
|                         | Made first attendance when under 1 year | Born in |       |         | Total | Under 1 year | 1 but under 2 | 2 but under 5 | Total  |                                      |                   |
|                         |                                         | 1960    | 1959  | 1958—55 |       |              |               |               |        |                                      |                   |
| Baschurch .. ..         | 13                                      | 13      | 7     | 18      | 38    | 40           | 35            | 25            | 100    | x                                    | x                 |
| *Bayston Hill .. ..     | 6                                       | 6       | 4     | 1       | 11    | 18           | 4             | 1             | 23     | x                                    | x                 |
| Bishop's Castle .. ..   | 26                                      | 19      | 25    | 14      | 58    | 139          | 110           | 84            | 333    | x                                    | x                 |
| Bridgnorth:             |                                         |         |       |         |       |              |               |               |        |                                      |                   |
| Grove .. ..             | 24                                      | 20      | 13    | 36      | 69    | 143          | 21            | 109           | 273    | 2                                    | 2                 |
| Northgate .. ..         | 179                                     | 159     | 141   | 214     | 514   | 2,521        | 678           | 580           | 3,779  | †62                                  | 301               |
| Broseley .. ..          | 57                                      | 51      | 44    | 76      | 171   | 674          | 151           | 191           | 1,016  | x                                    | x                 |
| Church Stretton .. ..   | 57                                      | 42      | 48    | 51      | 141   | 372          | 166           | 144           | 682    | —                                    | —                 |
| Cleobury Mortimer .. .. | 37                                      | 32      | 26    | 82      | 140   | 425          | 211           | 259           | 895    | x                                    | x                 |
| Dawley .. ..            | 220                                     | 156     | 131   | 203     | 490   | 2,369        | 808           | 815           | 3,992  | —                                    | —                 |
| Donnington:             |                                         |         |       |         |       |              |               |               |        |                                      |                   |
| Turrell Hall .. ..      | 121                                     | 98      | 88    | 103     | 289   | 1,778        | 400           | 135           | 2,313  | —                                    | —                 |
| Depot .. ..             | 42                                      | 31      | 31    | 58      | 120   | 362          | 150           | 104           | 596    | x                                    | x                 |
| Ellesmere .. ..         | 61                                      | 50      | 62    | 114     | 226   | 740          | 364           | 293           | 1,397  | 2                                    | 13                |
| Hadley .. ..            | 89                                      | 77      | 57    | 122     | 256   | 705          | 426           | 275           | 1,406  | x                                    | x                 |
| Highley .. ..           | 61                                      | 32      | 29    | 92      | 153   | 471          | 191           | 224           | 886    | 9                                    | 9                 |
| Ironbridge .. ..        | 38                                      | 28      | 36    | 63      | 127   | 596          | 191           | 140           | 927    | —                                    | —                 |
| Ludlow:                 |                                         |         |       |         |       |              |               |               |        |                                      |                   |
| Dinham .. ..            | 93                                      | 76      | 57    | 79      | 212   | 840          | 181           | 138           | 1,159  | **46                                 | 145               |
| East Hamlet .. ..       | 41                                      | 31      | 34    | 20      | 85    | 484          | 54            | 16            | 554    | x                                    | x                 |
| Madeley .. ..           | 43                                      | 33      | 44    | 73      | 150   | 639          | 176           | 208           | 1,023  | —                                    | —                 |
| Market Drayton .. ..    | 160                                     | 115     | 121   | 197     | 433   | 2,185        | 637           | 708           | 3,530  | —                                    | —                 |
| Much Wenlock .. ..      | 27                                      | 22      | 32    | 64      | 118   | 280          | 113           | 137           | 530    | —                                    | —                 |
| Newport .. ..           | 126                                     | 105     | 119   | 207     | 431   | 2,159        | 1,050         | 1,293         | 4,502  | †53                                  | 189               |
| Oakengates .. ..        | 99                                      | 69      | 88    | 77      | 234   | 1,491        | 287           | 293           | 2,071  | —                                    | —                 |
| Oswestry .. ..          | 184                                     | 155     | 115   | 45      | 315   | 2,277        | 302           | 239           | 2,818  | —                                    | —                 |
| Pontesbury .. ..        | 51                                      | 38      | 44    | 40      | 122   | 396          | 127           | 111           | 634    | —                                    | —                 |
| Prees .. ..             | 14                                      | 11      | 10    | 10      | 31    | 130          | 83            | 82            | 295    | x                                    | x                 |
| St. Martins .. ..       | 82                                      | 69      | 95    | 57      | 221   | 583          | 248           | 156           | 987    | x                                    | x                 |
| Shawbury .. ..          | 71                                      | 64      | 52    | 62      | 178   | 1,142        | 270           | 189           | 1,601  | x                                    | x                 |
| Shifnal .. ..           | 59                                      | 54      | 47    | 51      | 152   | 877          | 250           | 135           | 1,262  | x                                    | x                 |
| Shrewsbury:             |                                         |         |       |         |       |              |               |               |        |                                      |                   |
| Harlescote .. ..        | 173                                     | 152     | 222   | 145     | 519   | 2,696        | 627           | 581           | 3,904  | x                                    | x                 |
| Monkmoor .. ..          | 82                                      | 58      | 50    | 33      | 141   | 729          | 145           | 169           | 1,043  | x                                    | x                 |
| Murivance .. ..         | 280                                     | 225     | 192   | 177     | 594   | 2,347        | 466           | 279           | 3,092  | 207(2)                               | 300(2)            |
| White House .. ..       | 167                                     | 148     | 134   | 170     | 452   | 2,853        | 718           | 682           | 4,253  | 185(2)                               | 278(2)            |
| Wellington .. ..        | 195                                     | 172     | 159   | 162     | 493   | 2,239        | 697           | 292           | 3,223  | —                                    | —                 |
| Wem .. ..               | 73                                      | 57      | 59    | 95      | 211   | 794          | 259           | 460           | 1,513  | —                                    | —                 |
| Whitchurch .. ..        | 81                                      | 71      | 73    | 121     | 265   | 1,138        | 402           | 434           | 1,974  | **127                                | 423               |
| TOTAL .. ..             | 3,132                                   | 2,539   | 2,489 | 3,132   | 8,160 | 37,632       | 10,973        | 9,981         | 58,586 | 693(4)                               | 1,660(4)          |

## R.A.F. Child Welfare Centres

|                    |     |     |     |     |     |       |     |     |       |   |   |
|--------------------|-----|-----|-----|-----|-----|-------|-----|-----|-------|---|---|
| Bridgnorth .. ..   | 35  | 30  | 26  | 72  | 128 | 504   | 117 | 348 | 969   | x | x |
| Buntingsdale .. .. | 117 | 94  | 107 | 29  | 230 | 1,751 | 444 | 135 | 2,330 | x | x |
| Cosford .. ..      | 39  | 30  | 37  | 83  | 150 | 453   | 135 | 335 | 923   | x | x |
| TOTAL .. ..        | 191 | 154 | 170 | 184 | 508 | 2,708 | 696 | 818 | 4,222 | — | — |

\*\*District Nurse's Session.

†Including District Nurse's session.

xNo Ante-Natal Clinic.

\*Opened 16th October, 1961.

## Child Guidance : Pre-School Children

Recommendations made jointly in Circular 3/59 by the Ministries of Education and Health stressed the desirability of close co-operation between Local Education and Health Authorities in regard to advice on child guidance for children below school age.

The view is widely held that the causes of much emotional disturbance and maladjustment date back to the early years in a child's life. The recognition and treatment of early behaviour difficulties are facilitated by the staffs at maternity and child welfare centres seeking the advice of the Child Guidance Service in cases of possible emotional difficulty, enabling them, in appropriate cases, to deal themselves with more of the behaviour difficulties and other problems they encounter.

Medical Officers, after conferring with the Family Doctor and if he so wishes, send a report to the Central Department upon any case of emotional and behaviour difficulty in a pre-school child which they encounter in the course of their work at child welfare centres, so that advice may be obtained in suitable cases from the Child Guidance Service.

During the year, the cases of 8 pre-school children were referred to the Child Guidance Clinic.

## Care of Illegitimate Children and Unmarried Mothers

The County Council have, since 1945, utilised the services of Moral Welfare Workers employed by the Lichfield and Hereford Diocesan Associations, of which the former is registered as an Adoption Society, to deal with the various problems associated with the care of unmarried mothers and illegitimate children, for whom the Local Health Authority have certain responsibilities. The County Council have representatives on the Councils of each of these bodies.

For these services, the Council pay annual grants to the Associations. In 1961, these amounted to £800 to Lichfield and £550 to Hereford.

Confinements, actual and impending, of unmarried mothers are notified to the Health Department by Health Visitors, Midwives and Nurses, Hospitals and Institutions. The appropriate Moral Welfare Worker is then informed and pays an initial visit as soon as practicable, continuing to visit each case as necessary.

Particulars are given in the following tables of the work undertaken during 1961 in the general supervision of unmarried mothers and illegitimate children, and it will be seen that 128 children came under supervision during the year, representing 58 per cent of the illegitimate births assigned to the County.

Table 31: Supervisory Work undertaken by Moral Welfare Workers

| Association     | Moral Welfare Workers | Case Visits | Unmarried Expectant Mothers coming under supervision |
|-----------------|-----------------------|-------------|------------------------------------------------------|
| Lichfield .. .. | 1*                    | 687         | 71                                                   |
| Hereford .. ..  | 2†                    | 234         | 27                                                   |
| TOTAL ..        | 3                     | 921         | 98                                                   |

\*Has the assistance of a part-time worker who carries out routine visits only.

†One of these officers also undertakes duties in the Hereford Archdeaconry, estimated to be equivalent to half her time.

Table 32: Children Supervised

|                                 | Lichfield | Hereford | Total |
|---------------------------------|-----------|----------|-------|
| On Register on 1st January ..   | 151       | 73       | 224   |
| Added during year .. ..         | 86        | 42       | 128   |
| Removed during year .. ..       | 80        | 33       | 113   |
| On Register on 31st December .. | 157       | 82       | 239   |

Removals from the Register are accounted for as follows:

|                                            |     |
|--------------------------------------------|-----|
| Attained school age .. ..                  | 27  |
| Mother married—child with mother .. ..     | 31  |
| Left County with mother .. ..              | 17  |
| To adopters—in Shropshire .. ..            | 10  |
| elsewhere .. ..                            | 20  |
| In care of Children's Officer .. ..        | 2   |
| To Nurseries .. ..                         | 2   |
| Admitted to Hospital for Sub-normals .. .. | 1   |
| Died .. ..                                 | 3   |
|                                            | 113 |

**Accommodation for Unmarried Expectant Mothers.**—In order to meet the accommodation requirements of unmarried mothers, both prior and subsequent to confinement, the Council have arrangements with the Shrewsbury Refuge and Shelter, Chaddeslode, with Myford House, Horsehay, and with St. Martin's Home, Hereford, for the admission of cases from this County.

Myford House and Chaddeslode receive annual grants from the Council and during the past few years these have been varied to help meet additional expense incurred by the Homes in maintenance and improvements. During 1961 these grants amounted to £350 and £450 respectively, while an additional grant of £130 was made to Myford House in respect of much needed improvements and re-decoration.

By arrangement with the Herefordshire County Council, five beds for Shropshire cases are reserved in St. Martin's Home, Hereford, maintenance costs being repaid on a proportionate basis. This arrangement seems to operate perhaps unfairly to the Council's financial interests and is being reviewed at the time of writing.

Chaddeslode and Myford House provide a total of 31 beds (20 at Chaddeslode and 11 at Myford House) and this accommodation is also open to cases from neighbouring counties.

The Council have two representatives on the Chaddeslode Executive Committee, of which the Deputy County Medical Officer is also a member; and the County Medical Officer is a member of the Myford House Committee and of the Standing Committee of the Hereford Diocesan Association.



The following are the numbers of Shropshire cases admitted to Mother and Baby Homes during 1961:

|                                          |          |
|------------------------------------------|----------|
| St. Martin's Home, Hereford .. .. .      | 7        |
| Chaddeslode, Shrewsbury .. .. .          | 8        |
| Myford House, Horsehay .. .. .           | 2        |
| Mrs. Hay Memorial Home, Wolverhampton .. | 3        |
| Mrs. Legge Memorial Home, Wolverhampton  | 1        |
|                                          | <hr/> 21 |

### Report of the Principal Dental Officer

(Relating to dental work for Expectant and Nursing Mothers and Children under 5)

During the year 1961 we have tried to maintain a dental service for the maternity and child welfare side of our responsibilities without any detrimental effect on School Health work. This policy has been fairly successful but only because officers and chairside assistants have volunteered to carry out evening sessions. A total of 442 sessions has been devoted to this work, and of these 64 were worked in the evenings.

There has been a slight decrease in the number of mothers seeking treatment and a corresponding decrease in total work done for them, but this has been more than offset by a substantial increase in the number of under-school-age children treated. This I feel is a very encouraging sign, as young mothers are now becoming very keen on dental treatment and are tending to bring their children along to the clinics for advice and treatment long before school age, and so saving themselves and their children trouble later on in life.

In many cases this awakened awareness of the importance of Dental Health is directly attributable to talks given to young mothers' organisations by Miss Smith, our Oral Hygienist, and myself. A most encouraging sign! If only we had sufficient professional staff to be able to do more!

#### Dental Care of Expectant and Nursing Mothers and Children under School Age

No. of officers employed at end of year on a salary basis in terms of whole-time officers to the maternity and child welfare service:

|                                   |     |
|-----------------------------------|-----|
| (i) Senior Dental Officer .. .. . | 0.1 |
| (ii) Dental Officers .. .. .      | 0.6 |

No. of officers employed at end of year on a sessional basis in terms of whole-time officers to the maternity and child welfare service .. .. .

0.13

No. of dental clinics in operation at end of year .. .. .

12

Total number of sessions (i.e. equivalent half days) devoted to maternity and child welfare patients during year .. .. .

442

No. of dental technicians employed by the Local Health Authority's own laboratories at end of year .. .. .

1 and  
1 apprentice

| <i>Patients dealt with:</i>    | 1959 | 1960 | 1961 |
|--------------------------------|------|------|------|
| Expectant and Nursing Mothers— |      |      |      |
| Examined .. .. .               | 397  | 441  | 360  |
| Treated .. .. .                | 424  | 546  | 500  |
| Pre-School Children—           |      |      |      |
| Examined .. .. .               | 391  | 419  | 438  |
| Treated .. .. .                | 373  | 371  | 412  |

#### *Treatment carried out:*

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| Expectant and Nursing Mothers— |       |       |       |
| Fillings inserted .. .. .      | 846   | 735   | 696   |
| Extractions .. .. .            | 1,710 | 1,991 | 1,327 |
| Dentures supplied .. .. .      | 270   | 303   | 276   |
| Pre-School Children—           |       |       |       |
| Fillings inserted .. .. .      | 237   | 183   | 197   |
| Extractions .. .. .            | 709   | 654   | 822   |

Table 33: Expectant and Nursing Mothers and Pre-School Children provided with Dental care during 1961

|                                  | Examined | Needing treatment | Treated | Made dentally fit |
|----------------------------------|----------|-------------------|---------|-------------------|
| Expectant and Nursing Mothers .. | 360      | 356               | 500*    | 213               |
| Children under five years .. ..  | 438      | 392               | 412*    | 289               |

\*Includes cases brought forward from the previous year.

Table 34: Forms of Dental Treatment provided during 1961

|                               | Scalings<br>or Gum<br>Treat-<br>ment | Fillings | Silver<br>Nitrate<br>Treat-<br>ment | Crowns<br>or<br>Inlays | Extrac-<br>tions | General<br>Anaes-<br>thetics | Dentures provided         |                              | Radio-<br>graphs |
|-------------------------------|--------------------------------------|----------|-------------------------------------|------------------------|------------------|------------------------------|---------------------------|------------------------------|------------------|
|                               |                                      |          |                                     |                        |                  |                              | Full<br>Upper<br>or Lower | Partial<br>Upper<br>or Lower |                  |
| Expectant and Nursing Mothers | 175                                  | 696      | —                                   | —                      | 1,327            | 166                          | 170                       | 106                          | 65               |
| Children under five years     | 17                                   | 197      | 99                                  | —                      | 822              | 358                          | —                         | —                            | 8                |

C. D. CLARKE,  
*Principal Dental Officer.*

#### Distribution of Welfare Foods

The County Council are responsible for the distribution of welfare foods (National Dried Milk, orange juice, cod liver oil and Vitamin A & D tablets), a service which prior to July, 1954, was provided through the Ministry of Food.

There were on the 31st December, 1961, nine main distribution centres in the County, of which five were staffed by paid part-time workers; and four, through the kind offices of Mrs. I. M. Wilson, M.B.E., County Organiser of the Women's Voluntary Services, by voluntary workers. In addition, 89 smaller selling points were in operation, and thanks are due to all who voluntarily distribute the foods at these points and in many cases also allow their premises to be used.

**Statistical Report.**—Particulars of the foods issued during 1961, together with comparable figures for the previous year, are given below:

Table 35: Welfare Foods Issues

| Items of Food                    | Average Weekly Issues |       | Total Issues |         |
|----------------------------------|-----------------------|-------|--------------|---------|
|                                  | 1960                  | 1961  | 1960         | 1961    |
| National Dried Milk—tins .. ..   | 1,559                 | 1,340 | 81,068       | 69,654  |
| Orange Juice—bottles .. ..       | 2,185                 | 1,473 | 113,620      | 76,620  |
| Cod Liver Oil—bottles .. ..      | 294                   | 211   | 15,288       | 10,978  |
| A & D Vitamin Tablets—packets .. | 243                   | 194   | 12,610       | 10,106  |
| TOTAL .. ..                      | 4,281                 | 3,218 | 222,586      | 167,358 |

From 1st June, 1961, the price of Orange Juice was increased from 5d. to 1/6d. per bottle and Cod Liver Oil and Vitamin tablets, previously issued free of charge, were priced at 1/- and 6d. respectively. These charges are more representative of the true cost of these items, but are undoubtedly responsible for the decrease in sales.

#### NURSING STAFF AND SERVICES

**Nursing Staff employed by the County Council.**—The following are particulars of the Nursing Staff establishment and of the numbers employed by the County Council on 31st December, 1961, with corresponding figures for the two preceding years:

Table 36: Staffing and Establishment

| Whole-time Nursing Staff                 | Establish-<br>ment | On 31st December |      |      |
|------------------------------------------|--------------------|------------------|------|------|
|                                          |                    | 1959             | 1960 | 1961 |
| Superintendent Nursing Officer .. ..     | 1                  | 1                | 1    | 1    |
| Deputy Superintendent Nursing Officer .. | 1                  | 1                | 1    | 1    |
| Assistant Nursing Officers .. ..         | 2                  | 1                | 2    | 2    |
| Tuberculosis Health Visitor .. ..        | 1                  | 1                | 1    | 1    |
| Health Visitors .. ..                    | 41                 | 32               | 34   | 33   |
| School Nurses .. ..                      | 3                  | 4                | 4    | 4    |
| Nurse-Midwives .. ..                     | 74                 | 70               | 69   | 69   |
| Midwives .. ..                           | 7                  | 6                | 5    | 7    |
| Home Nurses .. ..                        | 8                  | 8*               | 8*   | 8*   |
| Relief Nurses .. ..                      | 6                  | 2                | 5    | 5    |

\*Includes one nurse undertaking both nursing and school nursing duties.

Part-time staff employed on 31st December, 1961, are listed below with their whole-time equivalents:

|                                                 | Staff | Whole-time<br>equivalent |
|-------------------------------------------------|-------|--------------------------|
| Relief nurse-midwives .. ..                     | 8     | 5.13                     |
| Home nurses .. ..                               | 6     | 3.0                      |
| Health visitors, school and clinic nurses .. .. | 10    | 4.12                     |



Part-time health visiting duties are also carried out by District Nurse-Midwives who are either qualified Health Visitors or working under a dispensation granted by the Minister of Health. Their whole-time equivalent for establishment purposes is regarded as 11, giving a total Health Visitor establishment of 52.

**District Training.**—The Council's scheme for assisting District Nurse-Midwives to take a course of district training under the Queen's Institute of District Nursing was originally adopted in November, 1950, and is open to State Registered nurses who are also State Certified Midwives.

Training is given at an approved Queen's Training Home, normally for a period of four months, but if the trainee has been employed previously in district work for eighteen months or more, or holds the State Certified Midwife's Certificate, the period is reduced to three months.

On the satisfactory completion of training, the trainee is required to serve the Council for a period of one year, and then becomes eligible for a permanent appointment.

Only one candidate was recruited for training prior to 1954, but since then 19 candidates (5 in 1961, including one recruited for a combined course of Health Visitor and District Training), have all passed their examination on the conclusion of their course.

**Transport.**—Practically all Nurses and Midwives, including full-time relief staff, use motor transport for duty purposes, and the position on 31st December, 1961, was as follows:

Table 37: Transport for Nursing Services

| Nursing Staff     | Number  | Cars           |                 | Bicycles |
|-------------------|---------|----------------|-----------------|----------|
|                   |         | County Council | Privately Owned |          |
| Nurse-Midwives .. | 82 (82) | 46 (51)        | 36 (29)         | 2 (2)    |
| Midwives ..       | 7 (5)   | 4 (2)          | 2 (2)           | 1 (1)    |
| Home Nurses ..    | 8 (8)   | 3 (2)          | 4 (4)           | — (—)    |

The figures in brackets are those for 1960.

**Housing of Nursing Staff.**—The provision of satisfactory accommodation for nurses and midwives is a practical necessity in order to recruit and retain suitable staff. About one-third of the Council's nursing staff occupy privately owned or rented accommodation which will not be available to their successors.

To provide replacement accommodation, standard-type houses and bungalows, approved by the Ministry of Health, are erected as occasion requires.

Particulars of the accommodation occupied by nurses and midwives, including Supervisory Nursing Officers and Health Visitors, in the Council's employment on 31st December, 1961, are as follows:

|           |                                                        |    |
|-----------|--------------------------------------------------------|----|
| Houses,   | owned by the Council .. .. .                           | 28 |
| bungalows | rented by the Council .. .. .                          | 24 |
| and flats | owned or rented by nursing staff or their relatives .. | 32 |
| Rooms ..  | rented by nursing staff .. .. .                        | 2  |
|           |                                                        | 86 |

**Agency Arrangements.**—Under an arrangement with the Radnorshire County Nursing Association, the home nursing and midwifery services in the parishes of Llanfairwaterdine, Bettws-y-Crwyn and Stowe, which have a population of 753 and an area of approximately 30 square miles, are provided by Radnorshire nurses, for whose services an annual grant of £330 is paid by the Council.

An arrangement exists with the Montgomery County Council whereby the home nursing, midwifery, health visiting and domestic help services in the parish of Brompton and Rhiston are undertaken by Montgomeryshire nurses. This parish, which has a population of 118 and an area of 2.8 square miles, is bordered by Montgomeryshire on three sides and is easily approached only from that County. Payment for nursing services is made to Montgomeryshire on a population basis and is in the region of £50 per annum; and for Domestic Help by refund of actual costs.

## MIDWIFERY SERVICE

Except for the agency arrangements referred to above, the County Council, as Local Health Authority, provide a domiciliary midwifery service by the direct employment of midwives who, prior to 5th July, 1948, were employed by the various County District Nursing Associations.

The Council are also the Local Supervising Authority for all midwives practising in the County for the purposes of the Midwives Acts and supervision is carried out by a non-medical supervisor and three assistants.

**Domiciliary and Institutional Confinements.—General Statistics.**—The following statistics relate generally to the work of all midwives, both domiciliary (including those in private practice) and institutional, in this County during 1961.

**Notice of Intention to Practise.**—The following are particulars of State Certified Midwives who were in practice in this County on 31st December, 1961:

Table 38: Practising Midwives

|                                      | Midwives | Qualified to administer Gas/Air analgesia |
|--------------------------------------|----------|-------------------------------------------|
| Local Health Authority—              |          |                                           |
| Directly employed .. .. .            | 89       | 88                                        |
| Agency arrangement .. .. .           | 3        | 3                                         |
| Hospitals—National Health Service .. | 52       | 52                                        |
| Other .. .. .                        | 10       | 10                                        |
| Nursing Homes .. .. .                | 4        | 4                                         |
| Private domiciliary practice .. .. . | 1        | 1                                         |
|                                      | 159      | 158                                       |

*Confinements.*—The table below shows the numbers of confinements attended by midwives during 1961:

Table 39: Confinements attended by Midwives

| Midwives            | Domiciliary Confinements (Total 2,043) |                         |                            |                         | Institutional Confinements (Total 3,381) | Total |
|---------------------|----------------------------------------|-------------------------|----------------------------|-------------------------|------------------------------------------|-------|
|                     | Doctor not booked                      |                         | Doctor booked              |                         |                                          |       |
|                     | Doctor present at delivery             | Not present at delivery | Doctor present at delivery | Not present at delivery |                                          |       |
| County Council      | 7                                      | 17                      | 417                        | 1,592                   | 4†                                       | 2,037 |
| Agency ..           | —                                      | —                       | —                          | —                       | —                                        | —     |
| Private practice .. | —                                      | —                       | 7                          | —                       | —                                        | 7     |
| N.H.S. hospitals    | —                                      | —                       | —                          | 2*                      | 2,950                                    | 2,952 |
| Other hospitals ..  | —                                      | —                       | —                          | 1*                      | 334                                      | 335   |
| Nursing Homes       | —                                      | —                       | —                          | —                       | 93                                       | 93    |
| TOTAL ..            | 7                                      | 17                      | 424                        | 1,595                   | 3,381                                    | 5,424 |

\*Deliveries attended at home by hospital midwife accompanying ambulance.

†Deliveries by County Council midwives in ambulances en route to hospital.

*Administration of Analgesics.*—Particulars of the domiciliary cases in which analgesics (gas-air, trilene and pethidine) were administered during 1961 are as follows:

Table 40: Analgesics

| Midwives   | Gas/Air        |                    | Trilene        |                    | Pethidine      |                    |
|------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|
|            | Doctor present | Doctor not present | Doctor present | Doctor not present | Doctor present | Doctor not present |
| Council .. | 241            | 673                | 162            | 639                | 341            | 1,077              |
| Agency ..  | —              | —                  | —              | —                  | —              | —                  |
| Private .. | —              | —                  | —              | —                  | —              | —                  |
| TOTAL ..   | 241            | 673                | 162            | 639                | 341            | 1,077              |

NOTE.—Analgesics were given to 90% of those confined at home (see page 27).

*Notifications.*—The following particulars relate to notifications which midwives (domiciliary and institutional) are required by the Rules of the Central Midwives Board to send to the County Council as Local Supervising Authority and which were received during 1961, with comparative figures for the preceding two years:

Table 41: Notifications issued by Midwives

| Year | Medical Aid (1) | Stillbirths (2) | Death of mother or child (3) | Artificial Feeding (4) | Liability to be a source of infection (5) | Having laid out a dead body (6) |
|------|-----------------|-----------------|------------------------------|------------------------|-------------------------------------------|---------------------------------|
| 1959 | 687             | 64              | 8                            | 619                    | 52                                        | 13                              |
| 1960 | 613             | 79              | 12                           | 471                    | 41                                        | 11                              |
| 1961 | 588             | 42              | 7                            | —                      | 41                                        | —                               |

Amended Rules of the Central Midwives Board, which came into operation on 1st July, 1960, remove the necessity to submit to the Local Supervising Authority notifications of "Artificial Feeding" and of "Having laid out a Dead Body".



**Work performed by County Council Midwives.**—Information about domiciliary confinements attended by County Council and agency midwives is compiled from case reports submitted immediately after the midwife ceases attendance.

**Deliveries.**—During 1961, there were in all 2,046 domiciliary confinements, of which 19 were attended either by doctors alone, by private midwives or by ambulance midwives in emergency, leaving 2,027 cases in which a County Council or agency domiciliary midwife was in attendance.

Table VI on page 90 shows the distribution of these 2,027 cases throughout the Nursing Districts of the County. Attendance on these cases involved 20,087 ante-natal and 30,957 midwifery post-natal visits—a total of 51,044 visits. On average each case received 10 ante-natal and 15 midwifery visits from the midwife.

The 6 whole-time Midwives in the Borough of Shrewsbury attended 416 cases, or an average of 69 each; in the remainder of the County, where midwifery is combined with home nursing, and excluding cases attended by agency midwives, whose work in Shropshire is only part of their duties, the district nurse-midwives averaged 22 cases each.

In addition, 1,260 cases were attended following discharge from hospital after confinement, involving 5,001 visits. This work, one feels, is less satisfactory to the domiciliary midwife, who may feel "slightly slighted" and that she has been denied the chances of exercising her professional skill at the confinement. It is hard to see how this sharing can be avoided; and our domiciliary midwives play their part well, and for the most part philosophically, in such cases.

Compared with the previous year, these cases show a reduction by one-third, which is accounted for by the fact that from 1st July, 1960, the lower limit of the "lying-in" period was reduced by the Central Midwives Board from 14 to 10 days.

The following table, showing these hospital maternity discharges classified according to the "in-patient" period in days between delivery and discharge, may be of interest.

Table 42: Discharged Hospital Maternity Cases

| In-patient post-natal period (days) | Cases | Total visits by domiciliary midwife |
|-------------------------------------|-------|-------------------------------------|
| 1— 2                                | 75    | 765                                 |
| 3— 5                                | 175   | 1,213                               |
| 6— 8                                | 596   | 2,054                               |
| 9—10                                | 357   | 806                                 |
| After 10th day                      | 57    | 163                                 |
| TOTAL ..                            | 1,260 | 5,001                               |

Ante-natal care was also afforded by the domiciliary midwives to 141 cases booked for confinements in hospital involving 917 visits.

The preceding details are repeated in the table below for comparison with work performed during the previous year.

Table 43: Cases attended by Domiciliary Midwives

| Year | Staff          |    | Domiciliary Confinements |            |            |        | Discharged Institutional Cases |        |
|------|----------------|----|--------------------------|------------|------------|--------|--------------------------------|--------|
|      |                |    | Cases                    | Visits     |            |        | Cases                          | Visits |
|      |                |    |                          | Ante-natal | Post-natal | Total  |                                |        |
| 1960 | Midwives ..    | 6  | 365                      | 3,748      | 6,010      | 9,758  | 281                            | 1,354  |
|      | Nurse-Midwives | 77 | 1,512                    | 15,232     | 26,811     | 42,043 | 1,656                          | 7,874  |
|      | TOTAL ..       |    | 1,877                    | 18,980     | 32,821     | 51,801 | 1,937                          | 9,228  |
| 1961 | Midwives ..    | 6  | 416                      | 4,063      | 5,914      | 9,977  | 210                            | 798    |
|      | Nurse-Midwives | 76 | 1,611                    | 16,024     | 25,043     | 41,067 | 1,050                          | 4,203  |
|      | TOTAL ..       |    | 2,027                    | 20,087     | 30,957     | 51,044 | 1,260                          | 5,001  |

**Maternity Medical Services.**—The Health Department midwives advise all expectant mothers to engage a doctor for Maternity Medical services. Of the 2,027 confinements, a doctor had been booked to provide maternity medical services in 2,003 cases (98.8 per cent); a doctor was present at delivery in 416 (20.8 per cent) of these cases.

Of the remaining 24 cases (1.2 per cent) in which no doctor had been booked, one was present at delivery in 4 cases (16.6 per cent).

**Blood examinations.**—Ante-natal blood testing of an expectant mother is necessary to detect anaemia; to determine Wassermann and Kahn reactions as tests for Syphilis; and to establish her blood group and, in certain cases, to see if antibodies are present.



By agreement with the Local Medical Committee, every midwife is supplied with blood tubes, labels and envelopes for specimens to be taken by the general practitioner and sent by the midwife to the Regional Blood Transfusion Centre in Birmingham. Where the practitioner does not wish to take the required specimen, the midwife is expected to refer the patient to a County Council medical officer at a Welfare Centre session, and the results of the test are subsequently notified to the practitioner concerned. Similarly, in domiciliary cases where a County Council midwife is not involved, blood testing outfits are sent to the practitioner on request.

All midwives have been supplied with Tallqvist test books for the estimation of haemoglobin. This test for anaemia is carried out by the midwife at the time of booking and again at the 30th week or thereabouts. Any case in which the haemoglobin level is below 75 per cent is referred to the general practitioner concerned. This is a useful test, recommended and approved by knowledgeable experts. It saves lives, and to criticise it seems to me a disservice to patients and to good obstetric practice.

*Anaemia.*—Minor degrees of anaemia are common in women. In pregnancy, the urgent demands of the foetus convert a slight deficiency into a gross deficiency, so that the mother's anaemia becomes much more serious. A severe anaemia may become a very dangerous condition when a moderate post-partum haemorrhage complicates the third stage of labour.

It is important, therefore, in ante-natal work to recognise cases of anaemia and to treat them appropriately. In the iron-deficiency anaemia, large doses of iron rapidly cause improvement, the haemoglobin value of the blood may rise by as much as 30 per cent in a month, and the corresponding improvement in the patient's condition is nearly always obvious.

A County Council midwife felt concern because two young mothers approaching their expected dates of delivery were discovered to have haemoglobin figures of 55 per cent only. Both patients were admitted to hospital and transfused with two pints of blood (packed cells)—after which "they both looked and felt better". One of these patients had a haemoglobin figure of 75 per cent six days later. She was delivered the day after this latter test and had a normal baby and a very slight loss. Two weeks after delivery her haemoglobin was 82 per cent.

*Rhesus Factor.*—In about 85 per cent of men and women their blood contains a property known as the "Rhesus Factor"; blood containing this property is called Rh. positive, and that without Rh. negative.

*An expectant mother whose blood is Rh. negative and who is married to an Rh. positive man may give birth to a child who will develop anaemia and jaundice shortly after birth—a condition known as "Haemolytic disease of the newborn." Prompt diagnosis and exchange blood transfusion afford the best chance of saving the lives of such babies.*

For prompt action in such cases, midwives have been instructed to obtain cord blood specimens for immediate examination by the Coombs test in the following circumstances:

- (a) when the laboratory investigations have shown that the child is likely to be born suffering from haemolytic disease; OR
- (b) if the child at birth appears jaundiced, anaemic or oedematous; OR
- (c) if at birth the first inch or so of the cord at the umbilicus shows a greenish-yellow discolouration. (This is a valuable early sign of haemolytic disease, although exceptionally it may be seen in a normal child; and it is a sound practice to examine the cord routinely for this discolouration immediately a baby is delivered); OR
- (d) in all cases where the mother's blood has not been examined ante-natally.

The reports for 1961 show that blood specimens were known to have been examined for the Rhesus Factor and the results notified to the midwife in 2,007 cases (99 per cent) and for Wassermann and Kahn reactions (for Syphilis) in 1757 cases (87 per cent). This shows a continuing improvement on previous years, when the appropriate figures were as indicated in the table below.

Table 44: Results of Blood Tests

| Year | Rhesus Factor |             |           | Wassermann and Kahn |          |          |
|------|---------------|-------------|-----------|---------------------|----------|----------|
|      | Tested        | Positive    | Negative  | Tested              | Positive | Negative |
| 1961 | 2,007 (99%)   | 1,707 (86%) | 290 (14%) | 1,757 (87%)         | 2        | 1,755    |
| 1960 | 1,845 (98%)   | 1,607 (87%) | 235 (13%) | 1,607 (86%)         | 2        | 1,605    |
| 1959 | 1,716 (98%)   | 1,491 (85%) | 225 (15%) | 1,486 (85%)         | —        | 1,486    |
| 1958 | 1,833 (98%)   | 1,584 (86%) | 249 (14%) | 1,548 (83%)         | 1        | 1,547    |
| 1957 | 1,669 (90%)   | 1,460 (88%) | 200 (12%) | 951 (51%)           | 5        | 946      |
| 1956 | 1,225 (63%)   | 1,061 (87%) | 164 (13%) | 658 (34%)           | 2        | 656      |

Both cases in which positive Wassermann results were obtained were known to be receiving treatment.

Coombs tests were performed in 277 cases. In 6 of these Rhesus groupings were not known and one of these cases produced a Coombs positive result. In the remaining 271 cases, a positive result was obtained in 2 cases.



In one of these cases, despite the positive result, there was no evidence of jaundice and the infant's condition was apparently satisfactory and has remained so. The second case showed no signs of jaundice until the age of one month, but the mother did not think this was bad enough to need a doctor's attention, and the baby has since progressed satisfactorily and is normal in all respects.

The third of these cases is another instalment of the story told at some length in my Annual Report for 1958 (pp. 36 and 37). During this seventh pregnancy the mother was again the subject of the greatest concern because of high blood pressure and albuminuria and of the great risk to her baby, and everybody except the parents became increasingly anxious. Consultants offered hospital accommodation, but appeals by everyone to have this accepted were resisted. The Practitioners used all the specialist and laboratory services and allowed me to visit the family to add my plea for hospital admission. These were ineffectual, though I did not suffer the physical bombardment which had been accorded to one consultant trying to help with a domiciliary visit on the previous occasion, and which he nevertheless gallantly offered to repeat.

The parents remained adamant and certain that all would be well. When the baby was born on a Sunday evening in February, 1961, at home, precipitately and showing danger signs, the midwife sent it to hospital within half-an-hour. There, like its siblings, it had an exchange transfusion and was back home in good order in two days, which seemed to cause its parents satisfaction but no surprise, as they had always been certain that nothing would go wrong.

It must be emphasised that the above statistics refer only to babies delivered by County Council midwives at home. That only one such infant needed exchange transfusion (and one in 1960) does not mean that the condition is very rare. It means rather that the great majority of the babies at risk were born in hospital, as is the recommendation of the specialists concerned. The object of carrying out Rhesus testing in all pregnancies is to discover what babies will be in danger at birth, and to safeguard their lives by having them born in hospital where the best facilities are quickly available. Exchange transfusions were given to at least a dozen 'Rhesus' babies following hospital delivery in 1961, and several times this number had the safeguard of being in hospital had they needed transfusion.

*Analgesics.*—Twenty-five sets of apparatus for the administration of Trilene were in use during 1961 by selected midwives in the busier areas.

All but one of the Council's midwives have been trained in the use of the Minnitt apparatus for the induction of Gas/Air analgesia and 77 apparatuses were in use during the year.

Pethidine was administered, on its own, in 135 cases and in conjunction with trilene and/or gas/air in a further 1,283 cases—a total of 1,418 confinements or 70 per cent.

Trilene was given in 156 cases and in conjunction with pethidine or gas/air in a further 645 cases—a total of 801 cases or 40 per cent of the domiciliary confinements.

Gas/air was given in 252 cases, and with pethidine or trilene in 662 cases—in 914 confinements in all or 45 per cent.

Analgesics, singly or combined with others, were therefore given in 1,828 cases—90.2 per cent of the total domiciliary confinements attended by County Council midwives.

*Births.*—Domiciliary confinements attended by County Council midwives resulted in the birth of 1,999 live infants, 4 pairs of live twins, and 24 single stillbirths.

On the 24 confinements resulting in a stillbirth, the mother's blood group was Rhesus positive in 18 cases, negative in 4 cases and in 2 cases was not known to have been tested. The stillbirth rate per 1,000 domiciliary live and still births was 11.8, compared with 21.26 for domiciliary and institutional births in the County generally.

*Premature births.*—Eighty-three of the 2,027 confinements resulted in the birth of a live infant weighing  $5\frac{1}{2}$  lb. or less.

*Parity.*—Of the 2,027 confinements, 305 or 15 per cent, were primigravidae.

*General.*—Complications, either during or after pregnancy, arose in 389 cases.

For one reason or another, removal to hospital was necessary in 85 cases, as under:

|        |    |    |    |
|--------|----|----|----|
| Mother | .. | .. | 47 |
| Child  | .. | .. | 14 |
| Both   | .. | .. | 24 |

From the date of booking by the midwife to the termination of the puerperium, these 2,027 cases involved 255,346 days under care, or an average of 126 per case.

*Relief arrangements.*—There are 56 nursing districts in the County and for the purposes of relief during sickness and holidays these are grouped together in convenient areas of three to four districts to provide mutual relief.

In the busier districts with a heavy case load, which are limited in number, a relief nurse is available to help, supplemented by assistance from neighbouring districts.

No night rota system has been deemed necessary since the annual average case load is no more than 21 where midwifery is combined with home nursing, and 61 in areas where it is carried on independently.



**Puerperal Pyrexia.**—Under the Puerperal Pyrexia Regulations, 1951, medical practitioners are required to notify as Puerperal Pyrexia any febrile condition occurring in a woman in whom a temperature of 100.4 degrees Fahrenheit or more has occurred within 14 days after childbirth or miscarriage.

During 1961, the number of cases of Puerperal Pyrexia notified was 7 (none of which proved fatal), compared with 9 in the previous year.

**Ophthalmia Neonatorum.**—This is defined in the relevant Regulations as “a purulent discharge from the eyes of an infant commencing within 21 days from the date of its birth” and resulting, if untreated, in blindness.

No case of Ophthalmia Neonatorum was notified in 1961.

**Pre-Eclampsic Toxaemia.**—Cases confined in 1961 in whom Toxaemia had been reported and who had been the subject of special ante-natal care—visits by the midwife weekly or more frequently and progress reported on each occasion to the Health Department—numbered 246, of whom 161 were subsequently confined at home and 85 in hospital. There were 12 stillbirths, representing 4.9 per cent of these confinements, and 6 babies died shortly after birth. In addition 28 of the confinements resulted in a “premature” weight birth (5½ lb. or less).

**Maternity Outfits.**—Under the National Health Service Act, 1946, maternity outfits are supplied by the County Council, without charge, to domiciliary confinement cases.

A supply of these outfits, and a stock of extra dressings, is held by every domiciliary midwife, who issues them on request. Outfits are delivered by the manufacturers direct to the district midwives and a central stock is held in the County Health Department for issue to cases in the Borough of Shrewsbury.

During 1961, a total of 2,196 outfits was issued to domiciliary confinement cases in the County.

**Admission of Maternity Cases to Hospital.**—Maternity patients are admitted to hospital on two grounds, namely, medical and “social”. When admission is required on medical grounds arrangements are made by the medical practitioner in attendance; but when admission is desired for other than medical reasons arrangements for admission are made through the Medical Officer of Health of the Local Health Authority for the area in which the patient lives.

Applications to the County Health Department by general practitioners for the admission of patients to hospital on “social” grounds are referred to the Bed Bureau for the reservation of a hospital bed, but direct applications from patients or midwives are investigated in order to ascertain whether the home circumstances are such that confinement can properly take place at home.

This procedure is undertaken at the request of the Regional Hospital Board to relieve pressure on maternity accommodation in hospitals. Where, however, unoccupied maternity beds are available after the admission of essential cases, hospitals concerned may at their discretion admit patients who do not qualify on “social” grounds.

During 1961, applications were received in respect of 985 maternity patients for admission to hospital on “social” grounds (compared with 964 patients in the previous year). Of these, 5 were withdrawn by the patients before beds were reserved and the remaining 980 cases are accounted for as follows:

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| Recommended for hospital confinement and accepted by hospitals concerned .. .. .    | 980       |
| (Of these 17 patients cancelled their reservations)                                 |           |
| Recommended, but refused by hospital on account of non-availability of beds .. .. . | Nil       |
| Not recommended .. .. .                                                             | Nil       |
|                                                                                     | <hr/> 980 |

With the coming into operation of the National Health Service Act, there was an increase in the proportion of institutional confinements, and a fall in the proportion taking place at home; and the following figures show that in Shropshire, domiciliary confinements, expressed as a percentage of all confinements, having remained stabilised at a figure above the average for the Country as a whole decreased in 1957, 1958 and 1959, but in 1960 the decrease was arrested and the trend reversed by an increase of 2% in the domiciliary proportion of total confinements for 1961.

Table 45: Domiciliary and Institutional Confinements

| Year | Total | Confinements |               | Percentage of Domiciliary Confinements |
|------|-------|--------------|---------------|----------------------------------------|
|      |       | Domiciliary  | Institutional |                                        |
| 1946 | 4,377 | 2,292        | 2,085         | 52%                                    |
| 1947 | 5,248 | 2,760        | 2,488         | 53%                                    |
| 1948 | 4,787 | 2,217        | 2,570         | 46%                                    |
| 1949 | 4,872 | 2,244        | 2,628         | 46%                                    |
| 1950 | 4,785 | 2,016        | 2,769         | 42%                                    |
| 1951 | 4,662 | 2,064        | 2,598         | 44%                                    |
| 1952 | 4,766 | 2,080        | 2,686         | 44%                                    |
| 1953 | 4,752 | 2,055        | 2,697         | 43%                                    |
| 1954 | 4,610 | 2,034        | 2,576         | 44%                                    |
| 1955 | 4,534 | 1,963        | 2,571         | 43%                                    |
| 1956 | 4,600 | 1,972        | 2,628         | 43%                                    |
| 1957 | 4,695 | 1,894        | 2,801         | 40%                                    |
| 1958 | 4,895 | 1,893        | 3,002         | 39%                                    |
| 1959 | 4,977 | 1,781        | 3,196         | 36%                                    |
| 1960 | 5,250 | 1,909        | 3,341         | 36%                                    |
| 1961 | 5,427 | 2,046        | 3,381         | 38%                                    |



**Medical Practitioners (Fees) Regulations, 1948.**—Under the Rules of the Central Midwives Board a midwife is required in certain defined circumstances to seek medical assistance by the issue of a Medical Aid Form, and this remains a Rule of the Board and a firm instruction to our Salop midwives. The fee payable by the County Council (as Local Supervising Authority) under the Medical Practitioners (Fees) Regulations is not claimed where a medical practitioner has already undertaken to provide maternity medical services under Part IV of the National Health Service Act, 1946; in this latter case payment is made by the Local Executive Council.

In 1961, only three claims were made by Practitioners on the County Council, and only £10 was paid out by the latter for medical aid.

## HEALTH VISITING

Under the National Health Service (Qualifications of Health Visitors and Tuberculosis Visitors) Regulations, 1948, no nurse is allowed to undertake health visiting duties unless she has obtained the Certificate of the Royal Society of Health, or an equivalent qualification. Under a special dispensation of the Ministry of Health, however, nurses without this qualification are allowed to undertake certain health visiting duties. Dispensation in respect of part-time Health Visitors employed in this County who do not possess the Health Visitor's Certificate was originally given by the Ministry for a period of two years from 1st May, 1949, and has been extended periodically, at present to 31st March, 1963.

The following table indicates the numbers of Health Visitors and Nurse-Midwives engaged, whole-time and part-time respectively, in health visiting duties:

Table 46: Health Visiting Staff employed by the County Council

|                                                                   | Authorised<br>Whole-time<br>Establishment | On 31st December |      |      |
|-------------------------------------------------------------------|-------------------------------------------|------------------|------|------|
|                                                                   |                                           | 1959             | 1960 | 1961 |
| Tuberculosis Health Visitor .. .. .                               | 41                                        | 1                | 1    | 1    |
| Health Visitors .. .. .                                           |                                           | 32               | 34   | 33   |
| District Nurse-Midwives (with Health Visitor's qualifications) .. | 11                                        | 13               | 12   | 13   |
| " " " (without Health Visitor's qualifications) ..                | (whole-time<br>equivalent)                | 20               | 19   | 19   |
|                                                                   | 52                                        | 66               | 66   | 66   |
|                                                                   | —                                         | —                | —    | —    |

In addition to the above, 4 whole-time School Nurses and 10 part-time staff undertaking duties as health visitors, school and clinic nurses were also employed. Practically all Health Visitors, whole-time and part-time do school nursing and the following table shows their whole-time equivalent in terms of Health Visiting and School Nursing:—

Table 47: Health Visiting Staff: Whole-time equivalents

| Staff                                                  | Whole-time equivalent for |                |
|--------------------------------------------------------|---------------------------|----------------|
|                                                        | Health Visiting           | School Nursing |
| Tuberculosis Health Visitor .. .. .                    | 1                         | —              |
| Health Visitors .. .. .                                | 8                         | —              |
| Health Visitors/School Nurses .. .. .                  | 25                        | 7              |
| District Nurse Midwives .. .. .                        | 32                        | 1.82           |
| School Nurses .. .. .                                  | 4                         | 4              |
| Part-time Health Visitors, school and clinic nurses .. | 10                        | 0.51           |
|                                                        | 80                        | 13.33          |
|                                                        | —                         | —              |

**Health Visitor Training Scheme.**—The Council's Training Scheme is open to State Registered Nurses under 35 years of age who have either obtained the State Certified Midwives Certificate, or have completed Part I of the training for that certificate, and who are willing to enter into a contract of service with the County Council for a period of thirty-three months from the date of commencement of training. Under this scheme, the training and examination fees are met by the County Council and the student receives in respect of her period of training (approximately nine months in duration) three-quarters of the minimum salary for a Health Visitor. A trainee already in the Council's service, however, whose salary as a nurse-midwife is above the minimum for a Health Visitor, receives during training three-quarters of the salary she was receiving immediately prior to training.

On the successful completion of training, the student enters the Council's service for the remaining period (two years) of her contract at the appropriate point on the Health Visitor's salary scale and at the end of this period, subject to satisfactory service, she is offered permanent employment in the County.



The approximate cost to the County Council of training a Health Visitor under this scheme is set out below:—

|                                            | £           | s.       | d.       |
|--------------------------------------------|-------------|----------|----------|
| During training (75% of minimum salary) .. | 387         | 0        | 0        |
| Tuition fee (average) .. .. .              | 30          | 0        | 0        |
| Examination fee .. .. .                    | 8           | 8        | 0        |
| Travelling allowance (5/- per week) ..     | 9           | 15       | 0        |
|                                            | <b>£435</b> | <b>3</b> | <b>0</b> |

Since the inception of this Scheme in 1947, until 31st December, 1961, the number of students accepted for training was 40, of whom 34 were successful in obtaining their Certificates. Two students were in training at the end of the year.

**Work performed.**—During the year, the duties of whole-time and part-time Health Visitors involved visits, for one reason or another, to 16,481 families in this County, compared with 16,251 families visited in 1960. Most of their visits were to children under 5 years of age, of whom 24,941 individual children were visited, as against 23,436 in the previous year. Particulars of these visits are summarised in the table below, with corresponding figures for 1959 and 1960:—

Table 48: Visits paid by Health Visitors

| Health Visiting Staff | Expectant Mothers |       | Children     |        |                     |                     |              | T.B. House-holds | Other Cases | All Visits— |
|-----------------------|-------------------|-------|--------------|--------|---------------------|---------------------|--------------|------------------|-------------|-------------|
|                       |                   |       | Under 1 year |        | 1 and under 2 years | 2 and under 5 years | Total Visits |                  |             | Total       |
|                       | First Visits      | Total | First Visits | Total  |                     |                     |              |                  |             |             |
| Whole-time ..         | 852               | 1,788 | 4,076        | 30,396 | 14,076              | 20,889              | 65,361       | 2,631            | 6,218       | 75,998      |
| Part-time .. ..       | —                 | —     | 845          | 8,590  | 3,617               | 4,926               | 17,133       | 239              | 1,535       | 18,907      |
| Total for 1961 ..     | 852               | 1,788 | 4,921        | 38,986 | 17,693              | 25,815              | 82,494       | 2,870            | 7,753       | 94,905      |
| „ „ 1960 ..           | 637               | 1,251 | 4,875        | 33,756 | 15,811              | 23,663              | 73,230       | 2,765            | 7,272       | 84,518      |
| „ „ 1959 ..           | 419               | 817   | 4,740        | 31,522 | 14,740              | 21,278              | 67,540       | 2,875            | 7,353       | 78,585      |

In addition, ineffective visits to all categories of cases during the year totalled 11,253, or 10.6 per cent of the total visits.

The above table does not include the work of the whole-time Tuberculosis Health Visitor, who made 409 effective and 82 ineffective visits to tuberculous households, attending also out-patient sessions at the Chest Clinics held in different parts of the County under Hospital Management Committee arrangements, and thereby facilitating and maintaining close contact therewith.

The agency arrangement with Montgomeryshire referred to on page 23 also covers health visiting in the parish of Brompton and Rhiston and during 1961 agency Health Visitors carried out 17 visits, involving 5 children under 5 years in 6 families.

## HOME NURSING SERVICE

As in the case of the domiciliary midwifery service, the Council provide home nursing by the direct employment of nursing staff, except in the parishes of Brompton and Rhiston, and Llanfairwaterdine, Bettws-y-Crwyn and Stowe, which are covered by agency arrangements with the Counties of Montgomery and Radnor respectively.

Of the full-time Home Nurses in the Council's service at the end of 1961, six were employed in Shrewsbury and one in Ludlow. Elsewhere in the County, home nursing is combined with midwifery and undertaken by the nurse-midwives in the various nursing areas.

**Cases attended.**—Every case attended for home nursing purposes is the subject of a case report, completed by the nurse on termination of attendance or at 31st December where the patient is still on the nurse's books. From these reports punched card statistics are obtained for the purposes of official returns and study of the various aspects of the service.

During 1961, home nursing was provided for 6,256 patients, who received 137,869 visits—an average of 22 per case. Compared with the previous year, cases decreased by 454, and visits by 5,961.

The table below compares work undertaken in 1961 with that for the previous year. The 7 whole-time Home Nurses each attended on average 135 cases for 4,210 visits or 31 visits per case; excluding the agency nurses, whose work in Shropshire is only part of their duties, the nurse-midwives each attended 73 cases for 1,500 visits—an average of 20 visits per case.

Table 49: Home Nursing Cases

| Year | Staff             | Cases attended | Total Visits |
|------|-------------------|----------------|--------------|
| 1961 | Home Nurses .. 7  | 946            | 29,468       |
|      | Nurse-Midwives 76 | 5,310          | 108,401      |
|      | TOTAL ..          | 6,256          | 137,869      |
| 1960 | Home Nurses .. 7  | 978            | 29,025       |
|      | Nurse-Midwives 77 | 5,732          | 114,805      |
|      | TOTAL ..          | 6,710          | 143,830      |



The decrease in cases attended annually, which has been noted each year since the present statistical methods were introduced in 1956, continued in 1961. In particular, less cases were attended for conditions such as diseases of the breast and female genital organs (76 less), injuries (77 less) and diseases of the heart and arteries (46 less). Increased cases resulted from diseases of the upper respiratory system (48 more) and diseases of the ear (26 more).

Table VII on page 91 gives information about the various categories of cases attended in 1961 in each nursing district in the County, including those covered by agency arrangements.

Of the 6,256 cases attended:

3,032 (or 48 per cent) were 65 years or over when first visited during the year and received 92,637 visits (67 per cent of the total);

488 (or 8 per cent) were children under 5 years and received 3,089 visits (or 2 per cent of the total) and

1,378 (or 22 per cent) received more than 24 visits during the year and accounted for 103,278 visits (75 per cent of the total).

The increasing use of this Service for the aged is shown in the table below and, with the provision of Home Help for the elderly and chronic sick as indicated in Table 86 on page 56, it is clear that the Local Health Services are playing a major part in reducing the numbers who would have to be admitted to hospital or homes for the aged in the absence of these domiciliary services.

Table 50: Home Nursing of the Aged (over 65)

| Year | Cases |      | Visits |      |
|------|-------|------|--------|------|
|      |       | %    |        | %    |
| 1956 | 3,072 | 39.1 | 93,863 | 60.4 |
| 1957 | 3,033 | 39.5 | 96,088 | 61.0 |
| 1958 | 3,119 | 43.5 | 99,388 | 64.8 |
| 1959 | 3,035 | 43.7 | 92,228 | 64.4 |
| 1960 | 3,023 | 45.1 | 94,652 | 65.8 |
| 1961 | 3,032 | 48.5 | 92,637 | 67.2 |

**Diseases.**—Table VIII on page 92, shows the distribution, by diseases or ailments and according to sex and age groups, of all home nursing cases attended during the year.

In order of frequency, injuries (613), upper and other respiratory diseases, excluding tuberculosis (611), anaemia (511), diseases of the heart and arteries (474), diseases of the breast and female genital organs (469) and diseases of the skin and subcutaneous tissue (435) were the most common types of cases necessitating nursing at home and accounted for 50 per cent of all such cases.

**Referral.**—Nurses attend patients only with the concurrence of the family doctors concerned: 73% of the cases attended were referred by Practitioners.

**Occupations.**—Of those attended—4,170 (or 67 per cent) were females.

The table below shows the distribution of home nursing cases according to their occupations and it will be seen that housewives provide the major part of the nurses' work:

Table 51: Occupations

| Occupation                          | Cases | Percentage |
|-------------------------------------|-------|------------|
| Pre-School .. .. .                  | 486   | 8          |
| School .. .. .                      | 371   | 6          |
| Actively employed .. .. .           | 1,054 | 17         |
| Housewives .. .. .                  | 3,273 | 52         |
| Retired .. .. .                     | 903   | 14         |
| Others (independent means, etc.) .. | 169   | 3          |
| TOTAL ..                            | 6,256 | 100        |

The percentage of retired persons may seem rather contradictory in relation to Table 00, but the simple explanation is that housewives do not retire !

**Treatments.**—Of the 6,256 patients visited, 4,748 or 76 per cent, were attended for one particular purpose; 1,001 patients (16 per cent of the total) were attended solely for injections, 1,329 (21 per cent) solely for dressings and 940 (15 per cent) for general nursing care only.

The statement below indicates the types of treatment given and the cases treated, those receiving more than one type of treatment being classified under that constituting the main reasons for nursing attendance.

Table 52: Treatments

| Treatment                                         | Cases Total | Visits Total |
|---------------------------------------------------|-------------|--------------|
| Injections .. .. .                                | 1,001       | 27,977       |
| " with dressings .. .. .                          | 118         | 3,968        |
| " with general nursing care .. .. .               | 182         | 5,207        |
| " with other treatments .. .. .                   | 219         | 8,451        |
|                                                   | 1,520       | 45,603       |
| Blanket Baths .. .. .                             | 217         | 5,599        |
| " with general nursing care .. .. .               | 273         | 10,310       |
| " with other treatments .. .. .                   | 52          | 2,021        |
|                                                   | 542         | 17,930       |
| Enemas .. .. .                                    | 291         | 1,907        |
| " with other treatments .. .. .                   | 121         | 1,946        |
|                                                   | 412         | 3,853        |
| Dressings .. .. .                                 | 1,329       | 24,276       |
| " with general nursing care .. .. .               | 96          | 4,188        |
| " with other treatments .. .. .                   | 101         | 3,084        |
|                                                   | 1,526       | 31,548       |
| Changing of pessaries .. .. .                     | 161         | 528          |
| " with washouts, douches, etc. .. .. .            | 75          | 452          |
| " with other treatments .. .. .                   | 6           | 203          |
|                                                   | 242         | 1,183        |
| Washouts, douches, etc. .. .. .                   | 119         | 953          |
| " with other treatments .. .. .                   | 107         | 1,341        |
|                                                   | 226         | 2,294        |
| General nursing care .. .. .                      | 940         | 26,632       |
| " with other treatments .. .. .                   | 130         | 2,259        |
|                                                   | 1,070       | 28,891       |
| Preparation for diagnostic investigations .. .. . | 179         | 260          |
|                                                   | 179         | 260          |
| Eye, ear, nose and throat treatments .. .. .      | 135         | 3,154        |
|                                                   | 135         | 3,154        |
| Others .. .. .                                    | 404         | 3,153        |
|                                                   | 404         | 3,153        |
|                                                   | 6,256       | 137,869      |

**Injections.**—It will be seen from the above figures that 1,520 patients (24 per cent of all cases) received injections during 1961, and that 1,001 of these (66 per cent of injection cases) were attended solely for that purpose.

In all, injection cases accounted for 45,603 visits (33 per cent of the total) and those who had injections only without any other form of treatment received 27,977 visits (20 per cent of all visits).

Many cases, particularly those suffering from diabetes and anaemia, were visited every day of the year.

Table 53 shows, by disease or ailments, the numbers of cases whose treatment included injections, either solely or in conjunction with other treatments, and indicates anaemia, respiratory diseases, diseases of the heart and arteries, and diseases of the skin to be the principal conditions necessitating home nursing attention for injections.

Table 53: Nursing cases receiving injections

| Diseases                                                       | Cases receiving Injections |                           |                       |       | Visits |
|----------------------------------------------------------------|----------------------------|---------------------------|-----------------------|-------|--------|
|                                                                | Injections only            | With general nursing care | With other treatments | Total |        |
| Tuberculosis .. .. .                                           | 18                         | —                         | 4                     | 22    | 1,059  |
| Other infectious diseases .. .. .                              | 17                         | 3                         | 4                     | 24    | 344    |
| Parasitic diseases .. .. .                                     | —                          | —                         | —                     | —     | —      |
| Malignant and lymphatic neoplasms .. .. .                      | 9                          | 16                        | 22                    | 47    | 1,958  |
| Asthma .. .. .                                                 | 16                         | 1                         | —                     | 17    | 265    |
| Diabetes mellitus .. .. .                                      | 66                         | 10                        | 18                    | 94    | 10,656 |
| Anaemia .. .. .                                                | 464                        | 14                        | 27                    | 505   | 14,795 |
| Vascular lesions affecting central nervous system .. .. .      | 1                          | 14                        | 9                     | 24    | 1,226  |
| Other mental and nervous diseases .. .. .                      | 15                         | 3                         | 6                     | 24    | 1,300  |
| Diseases of the eye .. .. .                                    | —                          | —                         | —                     | —     | —      |
| Diseases of the ear .. .. .                                    | 27                         | —                         | 15                    | 42    | 292    |
| Diseases of the heart and arteries .. .. .                     | 115                        | 39                        | 32                    | 186   | 6,138  |
| Diseases of the veins .. .. .                                  | 3                          | 1                         | 11                    | 15    | 872    |
| Upper respiratory diseases .. .. .                             | 32                         | 6                         | 26                    | 64    | 361    |
| Other respiratory diseases .. .. .                             | 51                         | 57                        | 30                    | 138   | 1,526  |
| Constipation .. .. .                                           | —                          | —                         | —                     | —     | —      |
| Diseases of the digestive system .. .. .                       | 16                         | 2                         | 9                     | 27    | 391    |
| Diseases of the urinary system and male genital organs .. .. . | 5                          | 1                         | 5                     | 11    | 193    |
| Diseases of the breast and female genital organs .. .. .       | 22                         | 3                         | 27                    | 52    | 646    |
| Complications of pregnancy and the puerperium .. .. .          | 25                         | 7                         | 5                     | 37    | 299    |
| Diseases of the skin and subcutaneous tissues .. .. .          | 43                         | 1                         | 50                    | 94    | 895    |
| Diseases of the bones, joints and muscles .. .. .              | 20                         | 1                         | 7                     | 28    | 1,052  |
| Injuries .. .. .                                               | 10                         | 1                         | 22                    | 33    | 600    |
| Senility .. .. .                                               | 4                          | 2                         | 5                     | 11    | 338    |
| Other defined and ill-defined diseases .. .. .                 | 22                         | —                         | 3                     | 25    | 394    |
| Diseases not specified .. .. .                                 | —                          | —                         | —                     | —     | —      |
|                                                                | 1,001                      | 182                       | 337                   | 1,520 | 45,603 |



**Nursing of Children.**—The report of a Committee of the Central Health Services Council on "The Welfare of Children in Hospital" states that when the nature of a child's illness and conditions permit, mothers should be encouraged to nurse a sick child at home under the care of the family doctor and assistance where necessary from the home nurse and the home help service. Co-operation between the family doctor and the local health authority services with the help of the hospital and specialist services can prevent in suitable cases the removal of the child from home. For children in hospital, the health visitor should keep in touch with the family and encourage the parents to visit the child. A report of the health visitor on the home and family circumstances can be a useful factor in determining the best means of after-care and the prevention of a recurrence of illness. On discharge of a child from hospital, use should be made of the full range of local health authority services in consultation and co-operation with the family doctor.

No special arrangements are in force for the nursing of sick children, other than for premature infants. Premature baby cots, complete with stand, mattress, blankets, mackintosh sheet, hot water bottles and special feeder are held by nurse-midwives in strategic parts of the County for use in such cases. Excellent liaison continued during the year between the Department and Dr. Macaulay, Consultant Paediatrician, the Monkmoor Children's Hospital, Copthorne Hospital and Dr. B. D. Bower, Consultant Paediatrician at the Sorrento Maternity Hospital, Birmingham.

Figures in Table VIII on page 92 show that 488 children under 5 years and 353 between 5 and 15 years received home nursing treatment during 1961. Of those under 5 years, 242 were referred to the nurses by the family doctor and 62 by hospitals. Of those dealt with in this age group, 17 were subsequently admitted to hospital and 20 referred by the nurses either to the family doctor or to hospital out-patient departments.

The principal conditions necessitating home nursing treatment for children are summarised in the table below.

Table 54: Principal conditions necessitating Home Nursing for Children

| Diseases                                             | Children 0—15 years |         |       |
|------------------------------------------------------|---------------------|---------|-------|
|                                                      | Males               | Females | Total |
| Injuries .. .. .                                     | 123                 | 92      | 215   |
| Diseases of the skin and subcutaneous tissue .. .. . | 61                  | 52      | 113   |
| Upper respiratory diseases .. .. .                   | 43                  | 50      | 83    |
| Other respiratory diseases .. .. .                   | 31                  | 27      | 58    |

When notifications are received from hospitals of the discharge of children, these are passed on to the health visitors, who visit and ensure that full advantage is taken of the local health services.

**Completed Cases.**—Of the 6,256 cases attended, 5,194 (or 83 per cent) were removed from the books for varying reasons during the year. Table IX on page 93 gives particulars of these cases by diseases, length of time on the books, visits, etc.

The reasons for cessation of home nursing attendance are given in the table below:

Table 55: Cases removed from the Nursing Registers

|                                                         | Cases | Percentage |
|---------------------------------------------------------|-------|------------|
| Recovered, relieved or convalescent .. .. .             | 3,128 | 60.2       |
| Admitted to hospital or nursing home .. .. .            | 751   | 14.5       |
| Died .. .. .                                            | 562   | 10.8       |
| Referred to out-patients, own doctor, etc. .. .. .      | 486   | 9.4        |
| Gone away .. .. .                                       | 196   | 3.8        |
| Treatment undertaken by patient, relative, etc. .. .. . | 39    | 0.7        |
| Discontinued .. .. .                                    | 23    | 0.4        |
| Others .. .. .                                          | 9     | 0.2        |
|                                                         | 5,194 | 100.0      |

Of the 562 patients who died, major causes were cancer (24 per cent), vascular lesions affecting the central nervous system (23 per cent), diseases of the heart and arteries (22 per cent) and senility (11 per cent).

Each patient was attended on the average for 68 days and required 27 visits, or 2.7 visits per week. Night visits—those between the hours of 9 p.m. and 8 a.m.—were few, amounting to 0.15 per cent of the total visits.



## VACCINATION AND IMMUNISATION

The Council's scheme under Section 26 of the National Health Service Act, 1946, provides for immunological protection against Smallpox, Diphtheria, Whooping Cough, Tetanus and Poliomyelitis, to be given by general medical practitioners or by Assistant County Medical Officers at Welfare Centres and Schools.

The outstanding features of work in Shropshire under this Section during 1961 were the establishment of the Health Department's central syringe service, the relaxation by the Ministry of Health of their recommendations against the use of triple antigen, the concerted effort which resulted in 18,000 children receiving their fourth dose of Salk polio vaccine by injection between the 8th May and the 25th July; and the certain prospect of the use in future against poliomyelitis of Sabin vaccine given by the mouth instead of Salk vaccine by injection.

All these features marked great steps forward. The syringe sterilising service greatly enhanced the safety of all our immunising procedures; the latter consumptions reduced by one half the number of 'jabs' inflicted upon protesting babies. All together, besides making safety greater, saved not only the latter but everyone else concerned much time and effort to be profitably used in other ways.

**County Central Syringe Service.**—After considering the implications of the most up-to-date information on the preparation and sterilisation of syringes and needles, the Health Committee in 1960 authorised the provision of a central syringe service unit. By singular good fortune this unit was just ready to start operations in April, 1961, when the Ministry of Health announced that fourth doses of Poliomyelitis vaccine were to be given to all children of 5—11 years inclusive and preferably by the end of the Summer term in July. This undertaking proved a challenge to those responsible.

The Service was designed to produce up to 300 outfits per day, each outfit consisting of a lubricated interchangeable syringe with needle mounted, enclosed in an aluminium tube with a cotton wool swab at the open end; the tube is sealed with a heavy aluminium foil cap and sterilised for not less than one hour at a temperature of not less than 160°C, the process being checked by chemical indicators. Following sterilization, a self-adhesive label is attached to the cap of each tube indicating that the outfit is sterile and bearing the batch number. In this way the indication of sterility is automatically removed to extract the syringe, so that used and unused items cannot be confused during mass immunisation sessions. No rinsing is required on the part of the user if the outfits are returned to the unit on the day of use. The used syringe (with needle still mounted) is returned to its tube after use.

When received back in the syringe unit the items are dismantled—tubes, syringe barrels and pistons into separate polythene bowls and needles into pads of cellulose foam to protect the points. The dismantled items receive a preliminary rinse in cold water to remove traces of injection material, following which they are left in a very hot weak solution of Sapo Mollis B.P. for at least ten minutes. Syringe barrels are cleaned by a rotary brush, pistons by soaking and hand brushing where necessary; and mounted in wire trays wherein they are conveyed to a rinsing tank and rinsed with five complete changes of water at 180°F., some two hundred syringes completing this latter procedure in less than fifteen minutes. Needles are cleaned by "hubbing" on a rotary nylon brush, then washed through with hot soap solution and rinsed in hot clean water, following which (still supported in foam sponges) they are boiled for two or three minutes.

All components are dried in a hot air cabinet, following which the needles are subjected to individual microscopic inspection and any defective point is reshaped by using a "lead lap" needle sharpener (needles repointed in this way are, of course, returned to the washing procedure before use); syringes are lubricated with a silicone fluid and the components re-assembled for sterilization.

Following these proceedings the assembled syringe and needle is sealed before sterilization and is, thereafter, not subject to handling or aerobic contamination until the outfit is opened for use.

Between 7th May and 25th July, 1961, nearly 18,000 children were given their fourth doses at schools. For this purpose, and for Poliomyelitis vaccination day and evening sessions at Welfare Centres, the syringe service produced for all services in that period, 36,358 outfits, an average of 522 per day, and with a maximum production on 8th June, 1961, of 1,296.

The Council were good enough to give public acknowledgment to this effort at their meeting on 15th July, 1961, by passing a resolution expressing their grateful thanks for the efforts of those concerned in the success of the anti-poliomyelitis vaccination measures and for the magnitude of the task they had undertaken in such a short time and despite trying conditions.

In the four months from May to August, the service produced for general immunisation procedures, Yellow Fever and B.C.G. Vaccination, Mantoux and Blood testing, a total of 37,338 outfits, at an average of 415 per working day.

During the second period of four months from September to the end of the year two significant factors affected the operation of the service by reducing demand, namely a national shortage of Salk poliomyelitis vaccine and the impending re-introduction of "Triple" Antigen. Consequently output over this period dropped to 16,472 outfits—an average of 203 per working day.

Thus, over the last eight months of the year in which the service began operating, 53,810 outfits were sterilized at a cost of £1,562 8s. 0d., or 6.95d. per outfit. Of this sum £1,392 2s. 10d. was chargeable under the heading "staff"—this rather high figure resulting from the need for overtime and temporary staff in the initial period to service the poliomyelitis vaccination campaign.

The remaining £170 5s. 2d. was allocated to equipment and breakages, the latter accounting for £57 10s. 0d. or a rate of 0.285% of the turnover, compared with the "target" breakage rate of 1.3 to 1.5% which the Nuffield Foundation Studies recommended as acceptable.



**Vaccination against Smallpox.**—Writing in mid-1962, it would be unrealistic not to relate any remarks about Smallpox Vaccination to the events of the early months of 1962 in the Birmingham, Bradford and South Wales areas, where appreciable outbreaks of major Smallpox occurred, occasioning much vaccination activity even in places where the disease never appeared.

For many years our successive annual reports have recorded the same advice on this subject—that successful vaccination confers, after an interval, complete protection against death from Smallpox, and almost complete protection against catching the disease even when exposed to it; that this protection lasts for some years, that it is renewed safely and easily; and that vaccination is best done in early childhood. Nothing that occurred early in 1962 has, in my opinion, invalidated these conclusions.

Careful study of the epidemiology of Smallpox and of vaccination against it has always been handsomely repaid.

Among comparatively few authoritative books on the subject, that by Ricketts and Byles has remained the outstanding contribution of the twentieth century.

Remarkable features, for a book published in 1908, are the 110 excellent black and white plates "from photographs taken of patients with Smallpox or of patients whose illness had been mistaken for Smallpox"—a veritable treasury more valuable to the amateur diagnostician today, who may never have seen Smallpox, than they were 60 years ago. To these are added a dozen colour plates, of which the authors very truly say: "These, we think, will be of particular value in conveying accurate and life-like impressions of the subjects treated. It may be of interest to state that, with the exception of the frontispiece, these colour-plates are produced from triple negatives obtained by the Sanger-Shepherd process of colour-photography. We believe this to be the first medical work which has been freely illustrated by means of colour-photographs taken from life. Very obvious is the advantage in point of fidelity over the coloured illustrations of medical subjects ordinarily obtained by means of water colour drawings".

Then there is for frontispiece the colour reproduction of a microscopic section through a variolous skin, so superbly drawn that for many years I assumed it to be a colour micro-photograph; and the price of 21/-.

The latter was a lot of money in 1908; and of interest for comparison was the publication early in 1962, more than 50 years later, of the magnum opus of Professor Dixon on the same subject, this time at a price of 130/-.

Being curious about the economics of producing such epoch-making works, the librarian of the British Medical Association, in affording me his usual generous help, referred me to Messrs. Cassells, the publishers of the Ricketts and Byles book, and to my delight to no less a person than Dr. Byles himself who had been responsible for the illustrations and who proved to be living in retirement in Kent. The manager of Cassells Medical Department was good enough to tell me that they printed 1,000 copies in 1908. By 1922 they had sold just under 600, and just over 200 more by 1951 when the book went out of print. The remaining 200 would include those lost by fire when the Publishers' premises were destroyed by enemy action in 1941. She added, "I am amazed that the demand for this excellent book should have remained so slight over such a long period".

Evidently, works on Smallpox are not likely to be "best sellers" nor, even at such prices, to make fortunes for either their writers or their publishers.

Dr. Byles for his part was good enough to tell me that my letter had given him great pleasure, that he was 94, and that he was glad for me to publish these comments.

Already much has been debated about vaccination campaigns and policy in the light of experiences in 1962, though one may wonder if anything will result which would have been new to Ricketts and Byles in 1908, save only the "ring" technique of vaccinating a limited number of people intimately concerned, in concentric circles around the original cases or contacts. Strenuously advocated by Dr. Killick Millard of Leicester in the early years of the twentieth century, these proposals, which involved their advocate in round abuse from so many for so long, have given excellent results in practice, and must be acknowledged as standard and accepted policy today.

A good deal has been heard against "mass vaccination", but if one believes in the killing power of Smallpox and relies on vaccination to protect those at risk, it is hard to defend the logic of vaccinating oneself while advising others that it is unnecessary.

Again, too much is perhaps being made of "post-vaccinal encephalitis", even to the extent of saying that the latter causes more deaths than Smallpox, which may be a dangerous oversimplification. The incidence of post-vaccinal encephalitis was calculated by Sir George Newman, then Principal Medical Officer to the Ministry of Health, to be about three per million vaccinations in 1931. Eight cases were reported in England and Wales in 1960, of whom five died, and this might represent a considerably higher incidence, perhaps as high as ten per million vaccinations; the latter might mean in Shropshire one infant death in twenty years.

In 1931, if vaccination had been called the disease and encephalitis the mortality, then the case mortality of vaccination might be regarded as three per million. Against this, however, are the facts that, as in 1931, so in 1961 and all the other '31s and '61s in history, the case mortality of major Smallpox is fairly constant at a figure of about 30% overall; *this latter case mortality is about thirty thousand times as great as the latest estimated mortality rate for Encephalitis.*

When this was pointed out at a meeting in London in 1962 the speaker cried with some warmth, "But there is no Smallpox in England".



There is, of course, plenty of major Smallpox elsewhere, and there was plenty in England before inoculation against it began in the eighteenth century, directly at first, and by Jenner (1798) with vaccinia or cowpox. Indeed it was the rule rather than the exception, and ravaged the community before the discovery of vaccination; and those who did not die of it were heavily disfigured.

Smallpox killed 67 people in Shropshire even in 1871, and 94 the following year—about twice as many deaths as from Diphtheria in each year—and this with a smaller population than now.

Sir George Godber, whose accession in 1961 to the chair of Principal Medical Officer to the Ministry of Health which Sir George Newman had occupied 30 years before was so welcome to his Medical Officer of Health colleagues, has said that the whole of these questions now "require rethinking".

Very full studies of the 1962 results of vaccination are promised, and will no doubt be published and debated, but unless and until they prove otherwise, the analogy and the figures cited above may be sufficient warranty for continuing to encourage the practice of routine vaccination in early childhood, and probably re-vaccination at 10 or 12 years of age as well.

In the year 1961 with which we are immediately concerned, and before the excitements of early 1962, there were performed in Shropshire 2,967 successful primary vaccinations in small children, of which 2,193 were carried out by General Practitioners. Of these 1,948 were under one year of age, and while it is difficult to relate this figure exactly to the number of babies born, nevertheless since there were 5,156 births in 1961 the percentage protected may have been a little short of 40, this is reasonable and could be increased with advantage, though more recent thought may crystallise in favour of primary vaccination in childhood, but after the first year.

In 1961, primary vaccinations against Smallpox totalled 3,592, of which 3,236 were successful, and re-vaccinations 682, with 564 successful. Of the total of 4,274 vaccinations performed, 3,316 were done by general medical practitioners and 958 by County Council medical staff. Successful primary vaccinations included 1,948 infants under one year of age.

Particulars are given in the table below of the distribution in the areas of Local Authorities within the County of all persons vaccinated or re-vaccinated during 1961.

Table 56: Primary Vaccinations and Re-Vaccinations performed

| Area                                | Local Authority            | Births<br>1961 | Under 1 year |       | 1—4 years |       | 5—14 years |     | 15 years<br>and over |     | Total |       |
|-------------------------------------|----------------------------|----------------|--------------|-------|-----------|-------|------------|-----|----------------------|-----|-------|-------|
|                                     |                            |                | P            | S     | P         | S     | P          | S   | P                    | S   | P     | S     |
| North-West<br>Combined<br>Districts | Ellesmere Urban ..         | 42             | 45           | 38    | 22        | 22    | 8          | 7   | 7                    | 6   | 80    | 73    |
|                                     | Ellesmere Rural ..         | 135            | 73           | 67    | 39        | 36    | 19         | 2   | 18                   | 3   | 149   | 108   |
|                                     | Wem Urban ..               | 35             | 41           | 39    | 13        | 5     | 53         | 31  | 19                   | 16  | 126   | 91    |
|                                     | Wem Rural ..               | 204            | 100          | 95    | 43        | 38    | 42         | 27  | 20                   | 16  | 205   | 176   |
|                                     | Whitchurch Urban ..        | 105            | 49           | 44    | 13        | 11    | 11         | 11  | 13                   | 12  | 86    | 78    |
| North-East<br>Combined<br>Districts | Dawley Urban ..            | 199            | 121          | 99    | 29        | 29    | 11         | 9   | 3                    | 3   | 164   | 140   |
|                                     | Market Drayton Urban ..    | 115            | 28           | 27    | 25        | 20    | 8          | 8   | 4                    | 3   | 65    | 58    |
|                                     | Drayton Rural ..           | 220            | 107          | 102   | 28        | 27    | 19         | 16  | 8                    | 8   | 162   | 153   |
|                                     | Newport Urban ..           | 76             | 30           | 30    | 36        | 35    | 8          | 8   | 9                    | 9   | 83    | 82    |
|                                     | Oakengates Urban ..        | 203            | 134          | 121   | 34        | 32    | 12         | 10  | 18                   | 14  | 198   | 177   |
|                                     | Shifnal Rural ..           | 237            | 115          | 105   | 63        | 61    | 54         | 53  | 72                   | 64  | 304   | 283   |
|                                     | Wellington Urban ..        | 233            | 55           | 45    | 55        | 49    | 9          | 8   | 21                   | 20  | 140   | 122   |
|                                     | Wellington Rural ..        | 491            | 215          | 185   | 102       | 86    | 27         | 23  | 26                   | 24  | 360   | 318   |
| South-West<br>Combined<br>Districts | Atcham Rural ..            | 357            | 147          | 133   | 54        | 51    | 4          | 3   | 47                   | 39  | 252   | 226   |
|                                     | Bishop's Castle Borough .. | 16             | 14           | 14    | 2         | 2     | —          | —   | 6                    | 6   | 22    | 22    |
|                                     | Church Stretton Urban ..   | 42             | 34           | 32    | 2         | 2     | 1          | 1   | 4                    | 3   | 41    | 38    |
|                                     | Clun Rural ..              | 176            | 77           | 64    | 11        | 10    | 1          | 1   | 5                    | 4   | 94    | 79    |
| —                                   | Ludlow Borough ..          | 110            | 53           | 44    | 30        | 21    | 2          | 1   | 8                    | 8   | 93    | 74    |
| —                                   | Ludlow Rural ..            | 207            | 141          | 121   | 40        | 31    | 5          | 4   | 26                   | 25  | 212   | 181   |
| —                                   | Bridgnorth Borough ..      | 153            | 38           | 31    | 57        | 46    | 2          | 2   | 4                    | 4   | 101   | 83    |
| —                                   | Bridgnorth Rural ..        | 211            | 65           | 58    | 72        | 66    | 5          | 5   | 6                    | 5   | 148   | 134   |
| —                                   | Wenlock Borough ..         | 217            | 57           | 50    | 52        | 50    | 16         | 15  | 8                    | 8   | 133   | 123   |
| —                                   | Oswestry Borough ..        | 188            | 108          | 104   | 23        | 21    | 4          | 4   | 34                   | 31  | 169   | 160   |
| —                                   | Oswestry Rural ..          | 307            | 141          | 128   | 17        | 17    | 11         | 11  | 43                   | 43  | 212   | 199   |
| —                                   | Shrewsbury Borough ..      | 877            | 183          | 172   | 288       | 251   | 23         | 22  | 181                  | 177 | 675   | 622   |
| TOTAL ..                            |                            | 5,156          | 2,159        | 1,948 | 1,150     | 1,019 | 355        | 282 | 610                  | 551 | 4,274 | 3,800 |

**Diphtheria.**—The one case of diphtheria notified in the County during the year was the first since 1952 and occurred in a male aged 13 years who had been immunised as a baby and had received a booster dose of Diphtheria/Tetanus prophylactic early in 1961. The boy was admitted to the isolation ward of the local paediatric department as a clinical case, having developed a severe sore throat with exudate some days before the onset of a mild palatal palsy. There was regurgitation of fluids down the nose and a "nasal voice". The boy had large doses of Penicillin before admission to Hospital and examination of a throat swab failed to reveal any organisms.

The patient recovered fully after penicillin therapy and the administration of diphtheria anti-toxin.



Throat swabs from home contacts proved to be negative, as did swabs subsequently taken from five persons following superficial examination of all children and staff at the school attended by the patient.

No contact was established with any known case of Diphtheria outside the County and no further cases followed this isolated instance.

Follow-up work at the school in question resulted in 290 children being given "booster" doses and arrangements made to give courses of primary immunisation to a further 80 children.

In 1941, there were 237 notifications of Diphtheria and 9 deaths. In the years 1951—61 there have been two notifications and one death, the latter of a woman of 72 years, due to syncope, toxæmia and throat infection, but without any bacteriological evidence.

In 1961, primary immunisations against Diphtheria numbered 5,379 and re-inforcing injections 4,340, County Council medical staff undertaking 1,965 of the former and 2,443 of the latter.

Primary immunisations included 1,383 children who were born in 1961 and this represents about 80 per cent of those eligible, for only one-third of the 5,156 infants born in 1961 would reach the age of 8 months, decreed as optimum for immunisation, during that year.

Table 57 below shows the immunisation state of school children in this County and Table 58 the distribution of all children immunised in 1961 according to the areas in which they reside.

Table 57: Immunisation in relation to Child Population

|                                                       | Age Groups and Year of Birth |                             |                             |                               | Total                  |
|-------------------------------------------------------|------------------------------|-----------------------------|-----------------------------|-------------------------------|------------------------|
|                                                       | Under 1 year<br>(1961)       | 1 to 4 years<br>(1960—1957) | 5 to 9 years<br>(1956—1952) | 10 to 14 years<br>(1951—1947) |                        |
| Immunised in:<br>(i) 1957 to 1961 .. .. .             | 1,383                        | 12,455                      | 11,226                      | 6,722                         | 31,786                 |
| (ii) 1956 or earlier .. .. .                          | —                            | —                           | 5,111                       | 14,870                        | 19,951                 |
| Estimated mid-year (1961) child<br>population .. .. . | 5,060                        | 18,440                      | 48,500                      |                               | 72,000                 |
| Immunity index .. .. .                                | 27.3%                        | 67.5%                       | (a) 37.0%<br>(b) 78.2%      |                               | (a) 44.1%<br>(b) 71.9% |

(a) Percentage of children having primary immunisation or booster dose in the past 5 years.

(b) Percentage of children immunised since 1947.

Table 58: Children Immunised against Diphtheria in the various County Districts

| Area                                | Local Authority                 | Births<br>1961 | Primary Immunisations—Children born in |           |           |       | Re-inforcing |
|-------------------------------------|---------------------------------|----------------|----------------------------------------|-----------|-----------|-------|--------------|
|                                     |                                 |                | 1961                                   | 1960—1957 | 1956—1947 | Total |              |
| North-West<br>Combined<br>Districts | Ellesmere Urban .. .. .         | 42             | 12                                     | 22        | 7         | 41    | 24           |
|                                     | Ellesmere Rural .. .. .         | 135            | 51                                     | 94        | 37        | 182   | 130          |
|                                     | Wem Urban .. .. .               | 35             | 16                                     | 42        | 25        | 83    | 121          |
|                                     | Wem Rural .. .. .               | 204            | 77                                     | 121       | 58        | 256   | 187          |
|                                     | Whitchurch Urban .. .. .        | 105            | 21                                     | 47        | 3         | 71    | 90           |
| North-East<br>Combined<br>Districts | Dawley Urban .. .. .            | 199            | 82                                     | 103       | 32        | 217   | 233          |
|                                     | Market Drayton Urban .. .. .    | 115            | 24                                     | 60        | 25        | 109   | 84           |
|                                     | Drayton Rural .. .. .           | 220            | 30                                     | 105       | 47        | 182   | 138          |
|                                     | Newport Urban .. .. .           | 76             | 21                                     | 71        | 12        | 104   | 67           |
|                                     | Oakengates Urban .. .. .        | 203            | 90                                     | 120       | 68        | 278   | 203          |
|                                     | Shifnal Rural .. .. .           | 237            | 58                                     | 165       | 42        | 265   | 626          |
|                                     | Wellington Urban .. .. .        | 233            | 54                                     | 173       | 40        | 267   | 267          |
|                                     | Wellington Rural .. .. .        | 491            | 121                                    | 287       | 54        | 462   | 295          |
| South-West<br>Combined<br>Districts | Atcham Rural .. .. .            | 357            | 78                                     | 189       | 46        | 313   | 238          |
|                                     | Bishop's Castle Borough .. .. . | 16             | 9                                      | 7         | 1         | 17    | 20           |
|                                     | Church Stretton Urban .. .. .   | 42             | 3                                      | 21        | 3         | 27    | 25           |
|                                     | Clun Rural .. .. .              | 176            | 43                                     | 61        | 5         | 109   | 56           |
| —                                   | Ludlow Borough .. .. .          | 110            | 42                                     | 64        | 16        | 122   | 112          |
| —                                   | Ludlow Rural .. .. .            | 207            | 72                                     | 115       | 32        | 219   | 176          |
| —                                   | Bridgnorth Borough .. .. .      | 153            | 44                                     | 99        | 17        | 157   | 50           |
| —                                   | Bridgnorth Rural .. .. .        | 211            | 48                                     | 137       | 39        | 224   | 140          |
| —                                   | Wenlock Borough .. .. .         | 217            | 46                                     | 126       | 43        | 215   | 152          |
| —                                   | Oswestry Borough .. .. .        | 188            | 51                                     | 143       | 33        | 227   | 117          |
| —                                   | Oswestry Rural .. .. .          | 307            | 33                                     | 176       | 44        | 273   | 92           |
| —                                   | Shrewsbury Borough .. .. .      | 887            | 240                                    | 551       | 168       | 959   | 697          |
| TOTAL .. .. .                       |                                 | 5,156          | 1,383                                  | 3,099     | 897       | 5,379 | 4,340        |

**Whooping Cough.**—Notifications of Whooping Cough received during 1961 numbered 198 and there was one death, that of a two months old unvaccinated child, attributed to this disease.

Since the coming into operation of the National Health Service Act, facilities for immunisation against Whooping Cough have been available in the County and parents have been encouraged to have children protected by immunisation at the early age of two to three months, since the disease takes its greatest toll in very young infants.

In 1941, there were 986 notified cases of Whooping Cough and 14 deaths. In 1961, there were 198 cases and one death. Twelve years of immunisation against Whooping Cough are now showing effect upon the incidence of this disease in the County, cases in 1961 being only 20 more than in 1959, which was the lowest ever. The following figures show the average numbers of notified cases and deaths over five-year periods since 1947:

Table 59: Whooping Cough—Five-year Averages

|                | 1947—51 | 1952—56 | 1957—61 |
|----------------|---------|---------|---------|
| <b>CASES:</b>  |         |         |         |
| Total ..       | 3,785   | 3,765   | 1,830   |
| Average        | 756.8   | 753     | 366     |
| <b>DEATHS:</b> |         |         |         |
| Total ..       | 20      | 9       | 1       |
| Average        | 4       | 1.8     | 0.2     |

During the year, 4,437 children were immunised against Whooping Cough, 3,042 by general medical practitioners and 1,395 by County Council medical staff. Children born in 1961 and immunised during the year totalled 1,773.

The table below shows the distribution in the areas of Local Authorities of all children immunised during the year.

Table 60: Children Immunised in Sanitary Districts

| Area                                | Local Authority            | Births<br>1961 | Children Immunised |                      |                       |       |
|-------------------------------------|----------------------------|----------------|--------------------|----------------------|-----------------------|-------|
|                                     |                            |                | Born 1961          | 1—4 years<br>(60—57) | 5—14 years<br>(56—47) | Total |
| North-West<br>Combined<br>Districts | Ellesmere Urban ..         | 42             | 14                 | 19                   | —                     | 33    |
|                                     | Ellesmere Rural ..         | 135            | 52                 | 84                   | 4                     | 140   |
|                                     | Wem Urban ..               | 35             | 16                 | 40                   | 3                     | 59    |
|                                     | Wem Rural ..               | 204            | 85                 | 114                  | 6                     | 205   |
|                                     | Whitchurch Urban ..        | 105            | 22                 | 44                   | 2                     | 68    |
| North-East<br>Combined<br>Districts | Dawley Urban ..            | 199            | 95                 | 93                   | 14                    | 202   |
|                                     | Market Drayton Urban ..    | 115            | 33                 | 43                   | —                     | 76    |
|                                     | Drayton Rural ..           | 220            | 48                 | 79                   | 6                     | 133   |
|                                     | Newport Urban ..           | 76             | 32                 | 44                   | 2                     | 78    |
|                                     | Oakengates Urban ..        | 203            | 95                 | 102                  | 41                    | 238   |
|                                     | Shifnal Rural ..           | 257            | 93                 | 111                  | 11                    | 215   |
|                                     | Wellington Urban ..        | 233            | 80                 | 129                  | 4                     | 213   |
|                                     | Wellington Rural ..        | 491            | 149                | 222                  | 21                    | 392   |
| South-West<br>Combined<br>Districts | Atcham Rural ..            | 357            | 96                 | 161                  | 15                    | 272   |
|                                     | Bishop's Castle Borough .. | 16             | 9                  | 6                    | —                     | 15    |
|                                     | Church Stretton Urban ..   | 42             | 14                 | 16                   | —                     | 30    |
|                                     | Clun Rural ..              | 176            | 45                 | 47                   | 2                     | 94    |
| —                                   | Ludlow Borough ..          | 110            | 52                 | 45                   | 4                     | 101   |
| —                                   | Ludlow Rural ..            | 207            | 98                 | 93                   | 8                     | 199   |
| —                                   | Bridgnorth Borough ..      | 153            | 56                 | 60                   | 5                     | 121   |
| —                                   | Bridgnorth Rural ..        | 211            | 66                 | 105                  | 11                    | 182   |
| —                                   | Wenlock Borough ..         | 217            | 70                 | 89                   | 5                     | 164   |
| —                                   | Oswestry Borough ..        | 188            | 58                 | 119                  | 18                    | 195   |
| —                                   | Oswestry Rural ..          | 307            | 64                 | 175                  | 14                    | 253   |
| —                                   | Shrewsbury Borough ..      | 877            | 331                | 410                  | 18                    | 759   |
| TOTAL ..                            |                            | 5,156          | 1,773              | 2,450                | 214                   | 4,437 |

Reactions to Whooping Cough antigen may be sharp and even occasionally serious. It is felt that a child should not be given Whooping Cough antigen if it is febrile, if it is suspected of having a cold or otherwise being out of sorts, or if there is any history in the family of allergy such as eczema, or of convulsions or anomalous attacks which might be of nervous origin.

These dangers are real, but if such reasons suggest leaving a young baby unprotected, it may be some consolation to remember that the very young infant at risk may gain indirect protection if older children in the household are protected by (previous) immunisation, and that the Consultant Children's Physician some years ago expressed willingness to receive into hospital the older sibling developing Whooping Cough in a household where a new baby was expected shortly and if alternative accommodation could not be found.



**Tetanus.**—Protection was given in 1961 to 2,814 children under 4 years of age (2,528 of whom were immunised by general practitioners) and to a further 551 children between 5 and 14 years.

With the re-introduction of Triple Antigen, these figures should increase substantially.

It has long been agreed that routine protection against Tetanus should be given to all, and especially perhaps to children in rural counties. This should prevent deaths from casual infections and there were 18 deaths from Tetanus in England and Wales in 1960. In Shropshire, no case was reported in 1959, only one in 1960, and one fatal case in 1961 of a male worker aged 66.

Routine active immunisation with Tetanus Toxoid has been recommended because patients who sustain a wound likely to give rise to Tetanus and are treated with Antitoxin, may, especially if they have received it on some previous occasion, be subject to serum reaction, the dangers of which increase with repeated use of Antitoxin. Furthermore, the immunity conferred by Antitoxin is known to be short-lived and such injections, if repeated, may not ensure adequate protection. Active immunisation with Tetanus Toxoid will obviate these dangers and provide sufficient protection.

Particulars of every child receiving a course of injections against Tetanus from the Council's medical staff are supplied to the family doctor in the form of a gummed slip for attaching to the child's medical records.

While the Whooping Cough antigen can cause upsets and even danger on occasion, we do not think that Tetanus antigen ever does; it should be remembered that we supply a combined Diphtheria-Tetanus antigen for primary or booster doses.

**Vaccination against Poliomyelitis.**—Since February, 1960, facilities for vaccination against Poliomyelitis have been extended by the Minister of Health to include persons up to the age of forty years and also special classes requiring protection for some specific reason.

The response to vaccination amongst the younger groups, i.e. children up to the age of 15 years, has been exceptionally good, but in the older groups, particularly those to whom the scheme was last extended, the response has not been so good.

During 1961, at 125 evening sessions, 17,715 attendances were made for vaccination against Poliomyelitis, an average of 142 per session.

As in previous years, visits were made by County Council medical staff to industrial undertakings for vaccination purposes and in eighteen such visits 1,059 injections were given.

Since the beginning of the vaccination programme in 1956, no less than 124,598 persons have been protected with two injections up to the end of 1961. The table below shows the numbers so protected annually by age groups.

Table 61: Cases completed with two injections since 1956

| Age Groups        | Vaccinated in |       |        |        |        |        | Total   |
|-------------------|---------------|-------|--------|--------|--------|--------|---------|
|                   | 1956          | 1957  | 1958   | 1959   | 1960   | 1961   |         |
| Born 1961—1943 .. | 240           | 2,081 | 50,536 | 11,976 | 5,361  | 8,474  | 78,668  |
| Born 1942—1933 .. | —             | —     | 6,532  | 10,778 | 2,772  | 2,377  | 22,459  |
| Under 40's ..     | —             | —     | —      | —      | 9,461  | 5,410  | 14,871  |
| Others ..         | —             | —     | 3,521  | 3,594  | 844    | 641    | 8,600   |
| TOTAL ..          | 240           | 2,081 | 60,589 | 26,348 | 18,438 | 16,902 | 124,598 |

Third, or "booster" injections were given during 1961 to 15,330 persons, of whom about 63 per cent were dealt with by County Council medical staff. The first table below shows these cases by age groups and according to the area in which they reside; the second table shows the numbers completing protection with three injections since 1959.

Table 62: Completed Cases in 1961 by County Districts

| Area                                | Local Authority            | 1—4 years<br>(1961—1957) | 5—17 years<br>(1956—1943) | 18—27 years<br>(1942—1933) | 28—40 years<br>(1932—1921) | Others | Total  |
|-------------------------------------|----------------------------|--------------------------|---------------------------|----------------------------|----------------------------|--------|--------|
| North-West<br>Combined<br>Districts | Ellesmere Urban ..         | 38                       | 38                        | 25                         | 124                        | 25     | 250    |
|                                     | Ellesmere Rural ..         | 76                       | 83                        | 101                        | 294                        | 47     | 601    |
|                                     | Wem Urban ..               | 52                       | 42                        | 15                         | 68                         | 32     | 209    |
|                                     | Wem Rural ..               | 145                      | 152                       | 103                        | 288                        | 62     | 750    |
|                                     | Whitchurch Urban ..        | 65                       | 143                       | 63                         | 246                        | 42     | 559    |
| North-East<br>Combined<br>Districts | Dawley Urban ..            | 131                      | 44                        | 47                         | 123                        | 10     | 355    |
|                                     | Market Drayton Urban ..    | 76                       | 32                        | 52                         | 102                        | 8      | 270    |
|                                     | Drayton Rural ..           | 132                      | 62                        | 53                         | 162                        | 11     | 420    |
|                                     | Newport Urban ..           | 70                       | 35                        | 38                         | 165                        | 13     | 321    |
|                                     | Oakengates Urban ..        | 153                      | 61                        | 110                        | 305                        | 23     | 652    |
|                                     | Shifnal Rural ..           | 186                      | 129                       | 104                        | 300                        | 28     | 747    |
|                                     | Wellington Urban ..        | 136                      | 54                        | 80                         | 277                        | 32     | 579    |
|                                     | Wellington Rural ..        | 292                      | 119                       | 188                        | 507                        | 52     | 1,148  |
| South-West<br>Combined<br>Districts | Atcham Rural ..            | 261                      | 243                       | 130                        | 398                        | 36     | 1,068  |
|                                     | Bishop's Castle Borough .. | 18                       | 6                         | 9                          | 36                         | 9      | 78     |
|                                     | Church Stretton Urban ..   | 32                       | 2                         | 7                          | 42                         | 2      | 76     |
|                                     | Clun Rural ..              | 88                       | 31                        | 74                         | 118                        | 12     | 323    |
| —                                   | Ludlow Borough ..          | 90                       | 42                        | 42                         | 170                        | 8      | 352    |
| —                                   | Ludlow Rural ..            | 137                      | 86                        | 77                         | 288                        | 25     | 613    |
| —                                   | Bridgnorth Borough ..      | 97                       | 27                        | 51                         | 151                        | 9      | 335    |
| —                                   | Bridgnorth Rural ..        | 158                      | 68                        | 117                        | 311                        | 25     | 679    |
| —                                   | Wenlock Borough ..         | 169                      | 75                        | 110                        | 417                        | 52     | 823    |
| —                                   | Oswestry Borough ..        | 111                      | 71                        | 62                         | 240                        | 28     | 512    |
| —                                   | Oswestry Rural ..          | 190                      | 186                       | 112                        | 387                        | 51     | 926    |
| —                                   | Shrewsbury Borough ..      | 639                      | 306                       | 333                        | 1,254                      | 142    | 2,674  |
| TOTAL ..                            |                            | 3,533                    | 2,137                     | 2,103                      | 6,773                      | 784    | 15,330 |

Table 63: Cases completed with three injections since 1959

| Age Groups        | Vaccinated in |        |        | Total  |
|-------------------|---------------|--------|--------|--------|
|                   | 1959          | 1960   | 1961   |        |
| Born 1960—1943 .. | 47,453        | 9,001  | 5,670  | 62,124 |
| Born 1942—1933 .. | 10,339        | 7,932  | 2,103  | 20,374 |
| Under 40's ..     | —             | 4,253  | 6,773  | 11,026 |
| Others ..         | 2,680         | 1,388  | 784    | 4,852  |
| TOTAL ..          | 60,472        | 22,574 | 15,330 | 98,376 |

Table 64 below shows the position with regard to other cases at the end of 1961:

Table 64: Other Cases

|                                               | Children<br>born 1961—43 | Young persons<br>born 1942—33 | Older persons<br>born 1932—21 | Others | Total |
|-----------------------------------------------|--------------------------|-------------------------------|-------------------------------|--------|-------|
| Awaiting first injection ..                   | 2,455                    | 264                           | 324                           | 21     | 3,064 |
| Received one injection and awaiting second .. | 93                       | 29                            | 33                            | 1      | 156   |

During 1961, fourth doses were made available to school children on entering school (normally at the age of 5 years) and also to children of 5 and over who had not reached the age of twelve. The Minister of Health was advised to take this action by the Joint Committee on Poliomyelitis vaccine, because although three doses of vaccine give a high degree of protection, children in school are considered to be at a markedly greater risk.

In this County a total of 22,732 children received fourth doses between May and December, 1961, and of these 19,623 received their injections from County Council Medical Officers, while the remaining 2,994 were dealt with by General Practitioners.

**Vaccination against Yellow Fever.**—Travellers to certain countries in the East and in South America are required, as a condition of entry, to produce an International Certificate of Vaccination against Yellow Fever.

Facilities for such vaccination were, until 1st July, 1960, provided under Part II of the National Health Service Act, 1946, as part of the Hospital and Specialist Services at nineteen Regional Blood Transfusion Centres throughout the Country.



In Circular 19/59, the Ministry of Health informed Local Health Authorities that a type of freeze-dried vaccine had been developed suitable for storage in an ordinary refrigerator and asked whether Authorities would be prepared to provide this Service as part of their arrangements for the prevention of illness under Section 28 of the Act, the intention being to designate some forty Local Authority Centres for this purpose.

In the light of the geographic situation of Shrewsbury, in relation to existing vaccination centres at Birmingham and Liverpool and being the road and rail junction for Wales, the Health Committee agreed to provide this service and following confirmation by the Minister of Health the Council's proposals under Part III of the Act were amended accordingly.

From the 1st July, 1960, therefore, the County Health Department has been a designated Yellow Fever Vaccination Centre where travellers are vaccinated by appointment and an International Certificate issued on payment of a fee of eleven shillings, irrespective of whether they reside in the County or elsewhere.

By the end of 1960, fifty-eight persons had been vaccinated against Yellow Fever at this Department and a further one hundred and twenty-four vaccinations were undertaken during 1961.

Travellers and their family doctors are asked to take note that the accepted time for Yellow Fever immunisation is 3.0 o'clock in the afternoon of the first and third Mondays in the month. Attendance should be preceded by appointment, but, in cases of emergency, an attempt will be made to provide the service at other times if notice is given, preferably by enquiry which is best made at about 9.15 a.m.

## AMBULANCE SERVICE

### Report of the County Ambulance Officer

Under Section 27 of the National Health Service Act, 1946, Local Health Authorities are responsible for ensuring that "ambulances and other means of transport are available, where necessary, for the conveyance of persons suffering from illness or mental defectiveness or expectant or nursing mothers from places in their area to places in or outside their area".

By Section 24 of the National Health Service (Amendment) Act, 1949, the Local Health Authority from whose area a patient has been admitted to hospital is required to bear the cost of ambulance facilities for the return journey on the patient's discharge, if this occurs within three months from the date of admission.

**Operation.**—The Service in Salop is operated from a Central Control at Ambulance Service Headquarters in Shrewsbury (Telephone No. Shrewsbury 6331) to which all enquiries should be made, and which is manned throughout the twenty-four hours so that effective action can be taken at any time, vehicles being despatched as most convenient from the main central station at Shrewsbury or from subsidiary stations at Oswestry, Whitchurch, Market Drayton, Donnington, Much Wenlock, Bridgnorth, Ludlow and Bishop's Castle.

*The emergency 999 system is now almost universal and the procedure should be well known, but it is perhaps not out of place here to remind everyone calling an emergency service to give their message carefully and unhurriedly, because time so used is never wasted.*

**Radio-Telephony.**—Two-way radio-telephone equipment is installed in 33 vehicles, with a main transmitter at Abdon Burf (height 1,795 feet), the highest point of the Brown Clee Hill, and a reserve transmitter situated at Lyth Hill (height 560 feet) on ground made available by the Atcham Rural District Council.

During the year the first stage of the programme for replacing radio equipment, the majority of which was first supplied in 1954, was carried out, and further annual replacement will continue until 1964.

**Rail Transport.**—This means of transport is used whenever possible, as it is not only more economical but often more suitable than travel by ambulance; recumbent patients remain on the same stretcher throughout the journey, transport from bed to station on entrainment and from train to final destination being undertaken by the Ambulance Service of the Local Health Authority for the area concerned. Unfortunately, some of the most recent designs of railway rolling stock are not suitable for this purpose and it seems likely that this very useful adjunct to the Service may ultimately be lost to us and may need to be replaced by normal ambulance transport. The purchase of a converted motor car for this purpose is being considered.

**Air Transport.**—The advantage of this mode of conveyance in specific cases is accepted, but the arrangement made by the Service through a local travel agency for one such case was cancelled because of the patient's subsequent unfitness to travel.

**Co-operation with other Services.**—Direct telephone lines exist between the Police and Ambulance Service control rooms, and a similar line links up with the Royal Salop Infirmary, Shrewsbury, which is the County's principal hospital. A scheme prepared by the Chief Constable in consultation with the Hospitals and the Ambulance Service ensures the co-ordination of their various activities in the event of any major disaster. Good communications are essential to any Ambulance Service and the possibility of using teleprinters and any other form of communication as they are developed is always under review. During the year the provision of a bell warning system for calling out a proportion of the staff in the event of a major disaster was approved, and was installed early in 1962.



**Accidents.**—As will be seen from statistics which follow, accident cases represent only a small percentage of the patients carried in Salop (vide Table 69), but the severity of the injuries caused by high speeds on the road and high speed and complicated machinery elsewhere necessitates rapid transport to Hospital if death or total incapacity of the victim is to be avoided.

**Arrangements with other Ambulance Authorities.**—The reciprocal arrangements in operation in border areas remain unchanged.

**The National Health Service (Amendment) Act, 1957.**—During the financial year 1961/62, the Service was reimbursed to the extent of £561 for attendance at industrial accidents and sporting events and for the conveyance of non-Section 27 cases, under the powers conferred by this Amendment Act.

**Education Committee.**—Transport is provided when required, and when within the capacity of the Ambulance Service to give it, for the conveyance of children requiring speech therapy or other special educational treatment, the cost of such transport being reimbursed in accordance with the terms of the Education Act, 1944.

**Staff.**—Tribute is due to both whole and part-time members of the staff, operational, control and administrative, and to the members of the W.V.S. Hospital Car Service for a worthwhile job in the main very well done. Inevitably there are mistakes and disputes but regarded in relation to the picture as a whole these are almost negligible. Our mistakes and those of the people with whom we work, Medical Practitioners, Hospital Staffs and others, teach us, we hope, how to improve the Service and often, certainly, help to improve our relationship with those concerned by bringing to light our respective difficulties.

It is certainly true to say that over the years since 1948 our relationship with others has developed to one of overall friendliness which is essential in work of this kind. In this respect our easy relationship with the Police, both in Salop and elsewhere, is of no mean value to the Service.

During the year the Staff Officer of the Service, Mr. G. E. Turner, was appointed Deputy County Ambulance Officer for Cheshire. His successor, Mr. T. H. Draper, took up duty on 1st May and resigned on 21st October on appointment as Ambulance Officer to the County Borough of Smethwick. Whilst we congratulate them on their success, these changes have in effect meant that the Service has been without one of its Senior Officers for the greater part of the year, the vacancy not being filled until early 1962. The effect of this was felt all the more because the year was an eventful one, as will be evident from the next paragraph.

**Major Events.**—In February, 1961, a mishap to a passenger train at Baschurch resulted in three deaths and a few minor casualties. The sight of the blazing coaches which greeted the emergency services on their arrival threatened a far more serious result, and those who escaped were fortunate. The incident proved that provided all concerned obey the instructions laid down in the Major Disaster Scheme, the latter is basically sound.

There followed in March a tragedy of concern to Ambulance Services everywhere.

As a result of a chain of circumstances following the loss of a rear wheel in transit a small dual-purpose ambulance conveying out-patients to Shrewsbury hospitals caught fire, and five people lost their lives. This is not the place for a technical report on the cause; sufficient to say that the inquest verdict concluded with the words "accidental death due to a metal failure, the cause of which was beyond the control of anyone concerned".

The commercial chassis upon which this vehicle was built has been in extensive use for a variety of purposes throughout the world for many years. Nevertheless, the Council decided to amend their purchasing programme to enable a different type of chassis to be used in future and as time goes on it is hoped to develop a suitable vehicle body to replace the very useful type lost to us as a result of this change.

**General.**—During the course of a year the Service deals with a variety of cases, many tragic, and some which have their humorous side. Few are without interest. One afternoon, in the space of about four hours, six premature babies were taken to Birmingham—not the first time we have almost been overwhelmed by unexpected arrivals.

Topically, a case of suspected ingested radiation was also conveyed to Birmingham.

**Training.**—Training is a continuous process but it was helped during the year by the interest of Mr. G. K. Rose, the Consultant Orthopaedic Surgeon, who gave time and trouble to setting and judging the County Competition, won by a Shrewsbury team, who unfortunately were not successful later in the Regional Competition at Hereford.

With only one or two exceptions members of the staff have been given instruction in the mouth-to-mouth method of artificial respiration using the special mannikin purchased for the purpose in September, which together with the services of our Staff Instructor has also been in demand by other Departments.

**Civil Defence.**—At the time of writing, this Authority have received on loan for training purposes three of the centrally purchased ambulances referred to in the report for 1960, and the old and cumbersome ambulances which they replaced have been sold.

During the summer the County Ambulance Officer and existing instructional staff ran a course of lectures for intending instructors and it is gratifying to report that of ten candidates who sat for the examination in December, nine were successful. These newcomers form a welcome addition to the original instructional staff, sadly depleted by promotion, transfers and removals over the past few years. The training of Ambulance and First Aid Section volunteers cannot but benefit when given by Instructors with the practical experience gained as members of the regular Ambulance Service.



The small group of Civil Defence volunteers attending regular training sessions at Shrewsbury, Oswestry, Donnington and Market Drayton have honoured their obligations extremely well, and if recruits of similar calibre and however small a number can be obtained at other places progress can be made.

The County Ambulance Officer and the Staff Civil Defence Instructor were invited to judge the Ambulance and First Aid Section of the Annual Civil Defence Competition at Stoke-on-Trent and, accompanied by two Station Officers, gave similar service for the County of Cheshire. The time and trouble so willingly expended by the instructional staff is out of proportion to the result achieved because of public apathy and a lack of recruits.

**County Council owned Health Service Cars.**—The Ambulance Service central administration is responsible for the Council's motor cars used by District Nurses, Midwives and Health Visitors. At 31st December, 1961, such nursing service cars numbered 83.

**Miscellaneous Activities.**—During the year members of the staff staged two demonstrations, one at Walford Manor in connection with a Farm Safety Walk, and the second at the Medical School, Birmingham University, as a contribution to a Conference organised by the Regional Hospital Board for Local Authority representatives and officers in the Midland Region to discuss advanced training for Ambulance Service personnel.

**Statistics.**—Statistical tables showing the establishment of vehicles and personnel and the work carried out by the Ambulance Service during 1961, with a comparison with the previous year or years, are set out in the following pages.

W. WALKER,

County Ambulance Officer.

Table 65: Establishment of Ambulances, Dual-purpose Vehicles and Sitting-case Cars

| Ambulance Stations             | At 31st December |      |                       |      |                   |      |                |      |
|--------------------------------|------------------|------|-----------------------|------|-------------------|------|----------------|------|
|                                | Ambulances       |      | Dual-purpose Vehicles |      | Sitting-case Cars |      | Total Vehicles |      |
|                                | 1960             | 1961 | 1960                  | 1961 | 1960              | 1961 | 1960           | 1961 |
| Shrewsbury .. .. .             | 13               | 13   | —                     | 3    | 5                 | 4    | 18             | 20   |
| Oswestry .. .. .               | 4                | 4    | 1                     | 1    | 1                 | 1    | 6              | 6    |
| Whitchurch .. .. .             | 3                | 2    | —                     | —    | —                 | 1    | 3              | 3    |
| Market Drayton .. .. .         | —                | —    | 1                     | 1    | —                 | —    | 1              | 1    |
| Donnington and Shifnal .. .. . | 1                | 3    | 5                     | 3    | 1                 | 1    | 7              | 7    |
| Wenlock .. .. .                | —                | —    | 1                     | 1    | —                 | —    | 1              | 1    |
| Bridgnorth .. .. .             | 2                | 2    | —                     | —    | —                 | —    | 2              | 2    |
| Ludlow and Craven Arms .. .. . | 3                | 3    | 3                     | 2    | —                 | —    | 6              | 5    |
| Bishop's Castle .. .. .        | 1                | 1    | —                     | —    | —                 | —    | 1              | 1    |
| TOTAL ..                       | 27               | 28   | 11                    | 11   | 7                 | 7    | 45             | 46   |

(NOTE.—At the end of 1961 there was 1 ambulance retained additional to establishment for Civil Defence training purposes, compared with 4 at the end of 1960).

Table 66: Establishment of Ambulance Service Personnel on 31st December

| Year | Full-time         |            | Part-time (in terms of Full-time) |            |    | Personnel Employed |            |     |       | Authorised Full-time Establishment |            |       |
|------|-------------------|------------|-----------------------------------|------------|----|--------------------|------------|-----|-------|------------------------------------|------------|-------|
|      | Driver-Attendants | Attendants | Driver-Attendants                 | Attendants |    | Driver-Attendants  | Attendants |     | Total | Drivers                            | Attendants | Total |
|      | M.                | F.         | M.                                | M.         | F. | M.                 | M.         | F.  |       |                                    |            |       |
| 1960 | 41                | 5          | 9                                 | 3          | 6½ | 50                 | 3          | 11½ | 64½   | 47                                 | 29         | 76    |
| 1961 | 42                | 5          | 9                                 | 3½         | 8  | 51                 | 3½         | 13  | 67½   | 47                                 | 29         | 76    |

Table 67: Deployment of Ambulance Service Personnel

| Ambulance Stations             | 31st December, 1960 |            |                   |            |    | 31st December, 1961 |            |                   |            |    |
|--------------------------------|---------------------|------------|-------------------|------------|----|---------------------|------------|-------------------|------------|----|
|                                | Full-time           |            | Part-time         |            |    | Full-time           |            | Part-time         |            |    |
|                                | Driver-Attendants   | Attendants | Driver-Attendants | Attendants |    | Driver-Attendants   | Attendants | Driver-Attendants | Attendants |    |
|                                | M.                  | F.         | M.                | M.         | F. | M.                  | F.         | M.                | M.         | F. |
| Shrewsbury .. .. .             | 26                  | 5          | 1                 | —          | 4  | 25                  | 5          | 1                 | —          | 4  |
| Oswestry .. .. .               | 6                   | —          | 2                 | 6          | 2  | 7                   | —          | 2                 | 6          | 2  |
| Whitchurch .. .. .             | 1                   | —          | 3                 | 1          | 1  | 1                   | —          | 3                 | 1          | 1  |
| Market Drayton .. .. .         | —                   | —          | 3                 | —          | 1  | —                   | —          | 3                 | —          | 1  |
| Donnington and Shifnal .. .. . | 6                   | —          | 1                 | —          | 5  | 7                   | —          | 1                 | —          | 5  |
| Wenlock .. .. .                | —                   | —          | 1                 | 4          | 1  | —                   | —          | 1                 | 3          | 2  |
| Bridgnorth .. .. .             | 2                   | —          | 1                 | 1          | 2  | 2                   | —          | 1                 | —          | 2  |
| Ludlow and Craven Arms .. .. . | —                   | —          | 8                 | 3          | 8  | —                   | —          | 8                 | 2          | 8  |
| Bishop's Castle .. .. .        | —                   | —          | 2                 | 1          | 1  | —                   | —          | 2                 | —          | —  |
| TOTAL ..                       | 41                  | 5          | 22                | 16         | 25 | 42                  | 5          | 22                | 12         | 25 |

Table 68: Work performed by Ambulances and Sitting-case Cars

| Year | Ambulances |         | Cars     |         | Women's Voluntary Services and other Supplementary Services |         | Total    |           |
|------|------------|---------|----------|---------|-------------------------------------------------------------|---------|----------|-----------|
|      | Patients   | Mileage | Patients | Mileage | Patients                                                    | Mileage | Patients | Mileage   |
| 1952 | 23,706     | 426,423 | 15,733   | 305,677 | 1,811                                                       | 51,617  | 41,250   | 783,717   |
| 1953 | 28,720     | 465,640 | 17,760   | 324,994 | 2,190                                                       | 53,692  | 48,670   | 844,326   |
| 1954 | 32,566     | 508,720 | 20,820   | 351,637 | 2,791                                                       | 47,254  | 56,177   | 907,611   |
| 1955 | 41,140     | 584,714 | 20,306   | 352,672 | 2,212                                                       | 33,617  | 63,658   | 971,103   |
| 1956 | 49,293     | 645,406 | 18,382   | 323,616 | 1,690                                                       | 39,571  | 69,365   | 1,008,593 |
| 1957 | 50,314     | 625,079 | 16,466   | 276,133 | 1,908                                                       | 47,795  | 68,688   | 949,007   |
| 1958 | 58,951     | 692,059 | 14,526   | 252,725 | 1,745                                                       | 39,550  | 75,222   | 984,334   |
| 1959 | 68,352     | 792,449 | 12,601   | 217,732 | 2,219                                                       | 48,132  | 83,172   | 1,058,313 |
| 1960 | 78,899     | 845,703 | 13,708   | 215,323 | 2,556                                                       | 61,619  | 95,163   | 1,122,645 |
| 1961 | 84,007     | 886,018 | 12,791   | 193,912 | 4,128                                                       | 87,466  | 100,926  | 1,167,396 |

(NOTE.—For statistical purposes dual-purpose vehicles have been counted as ambulances)

Table 69: Categories of Patients Conveyed

|                  |                |
|------------------|----------------|
| Maternity .. ..  | 1,356          |
| Mental .. ..     | 250            |
| Accident .. ..   | 2,088          |
| Infectious .. .. | 138            |
| General .. ..    | 97,094         |
| <b>TOTAL ..</b>  | <b>100,926</b> |

Table 70: Work performed by Ambulance Stations

| Ambulance Station      | Journeys      | Patients      | Mileage          | Staff (i.e. drivers and attendants) as at 31st Dec., 1961 (in terms of whole-time personnel) |
|------------------------|---------------|---------------|------------------|----------------------------------------------------------------------------------------------|
| Shrewsbury .. ..       | 16,061        | 38,214        | 422,117          | 31.41                                                                                        |
| Oswestry .. ..         | 2,399         | 17,817        | 159,826          | 9.43                                                                                         |
| Whitchurch .. ..       | 1,407         | 5,203         | 66,927           | 3.62                                                                                         |
| Market Drayton .. ..   | 519           | 2,594         | 33,562           | 2.09                                                                                         |
| Donnington .. ..       | 2,681         | 14,586        | 146,822          | 10.17                                                                                        |
| Shifnal .. ..          | 731           | 2,531         | 25,731           | 1.64                                                                                         |
| Wenlock .. ..          | 524           | 1,686         | 19,223           | 0.86                                                                                         |
| Bridgnorth .. ..       | 1,153         | 5,460         | 59,273           | 3.02                                                                                         |
| Ludlow and Craven Arms | 3,250         | 8,482         | 142,965          | 5.36                                                                                         |
| Bishop's Castle .. ..  | 67            | 225           | 3,484            | 0.06                                                                                         |
| <b>TOTAL ..</b>        | <b>28,792</b> | <b>96,798</b> | <b>1,079,930</b> | <b>67.66</b>                                                                                 |

Table 71: Patients carried and Mileages covered

| Year | Patients | Mileage   | Mileage per Patient |
|------|----------|-----------|---------------------|
| 1952 | 41,250   | 787,717   | 19.0                |
| 1953 | 48,670   | 844,326   | 17.4                |
| 1954 | 56,177   | 907,611   | 16.2                |
| 1955 | 63,658   | 971,003   | 15.2                |
| 1956 | 69,365   | 1,008,593 | 14.5                |
| 1957 | 68,688   | 949,007   | 13.8                |
| 1958 | 75,222   | 984,334   | 13.1                |
| 1959 | 83,172   | 1,058,313 | 12.7                |
| 1960 | 95,163   | 1,122,645 | 11.8                |
| 1961 | 100,926  | 1,167,396 | 11.6                |

(NOTE.—One more vehicle was equipped with a radio-telephone during 1961, making a total of 33 vehicles so equipped out of 46. Although the amount of work undertaken increased by approximately 5,500 patients conveyed and 45,000 miles travelled as compared with 1960, a further reduction was achieved in the figure for mileage per patient, which continued its downward trend).



## PREVENTION OF ILLNESS, CARE AND AFTER-CARE

The powers of the Local Health Authority to make arrangements for the prevention of illness and the care and after-care of sick persons are permissive, except where otherwise directed by the Minister of Health; and in respect of persons suffering from Tuberculosis, the Minister has directed that such arrangements shall be obligatory.

### Tuberculosis

**Administration.**—Under an arrangement with the Birmingham Regional Hospital Board, two-elevenths of the time of two Chest Physicians—one of Consultant status and one of Senior Hospital Medical Officer status—is made available to the Council for prevention and after-care purposes and for this service the Board is reimbursed with an equivalent proportion of the Chest Physicians' salaries.

The domiciliary visiting of persons whose names are included in the Tuberculosis Registers is undertaken by whole-time Health Visitors employed by the County Council; a whole-time Tuberculosis Health Visitor is based at the Shrewsbury Chest Clinic, where she undertakes work on behalf of the Shrewsbury Hospital Management Committee in addition to her visiting duties, an appropriate portion of her salary being borne by the hospital authorities.

**Report of the Consultant Chest Physician.**—The following is the report of the Consultant Chest Physician, Dr. A. T. M. Myres:

(The figures given in brackets are the corresponding figures in 1960).

During the year 75 (97) persons were notified as having Respiratory Tuberculosis. Of these:

37 (40) were diagnosed as a result of direct reference to Chest Clinics by General Practitioners.

15 (14) were initially discovered by Mass Radiography Units.

11 (16) were diagnosed as a result of examination of "contacts".

9 (21) were initially discovered at general and special hospitals.

2 (2) had been previously under Chest Clinic "observation".

1 notified whilst in Services.

also 1 was notified after death.

This total figure of notifications is the lowest recorded in the last forty years, being approximately half that of 1955, a reduction in conformity with the National trend. Of these 75 newly notified cases, tubercle bacilli were obtained from 48 who were thus shown to have been actually or potentially infectious, whilst 27 were not proved thus bacteriologically.

It is noteworthy that the number of persons, namely 88, whose names were removed from the Respiratory Tuberculosis Register as recovered, significantly exceeded the number of newly notified persons.

Of the 23 persons whose names were on the Respiratory Tuberculosis Register at the time of death:

3 were over 80 years of age.

6 were between 70 and 80 years of age.

7 were between 60 and 70 years of age.

4 were between 50 and 60 years of age.

2 were between 40 and 50 years of age.

1 was between 30 and 40 years of age (a Pakistani, who had been in this country one week at the time of diagnosis).

None under 30 years of age.

Of these 23, the Respiratory Tuberculosis disease was considered definitely active in six. One other was considered to have active miliary tuberculosis associated with a proven tuberculous abscess in the neck.

The tuberculous disease was not active in nine, of which two in retrospect were most likely not to have been tuberculous.

The tuberculosis was of uncertain state of activity in seven, of which two were likely to have been active and five were likely to have been not active.

The actual causes of death of these 23 persons were considered to be attributable directly to *Active Pulmonary Tuberculosis* in three

*Miliary Tuberculosis* in one

*Cardiac Failure* in thirteen, of which:

6 were attributed to Coronary disease

3 to Cor Pulmonale

4 to "Myocardial Failure"

*Cerebro-Vascular Disease* two.

*Other Causes:*

- 1 Spontaneous Pneumothorax
- 1 Carcinoma of Stomach
- 1 Hepatic Failure (Active case)
- 1 Fibrosis of Lung (probably not tuberculous)
- 1 notified after death was attributed to Heart Failure and Pulmonary Fibrosis due to Tuberculosis.

So long as any persons continue to be found to be suffering from Tuberculosis, there is likely to be a need for the work of the Tuberculosis Voluntary Care Committee. All who are responsible for the care of these persons, are very grateful for the work of all on this Committee.

A. T. M. MYRES,  
Consultant Chest Physician.

**Mass Miniature Radiography.**—Visits to this County for the purposes of public, industrial and school surveys were made during 1961 by the Mass Miniature Radiography Units from Wolverhampton and Stoke-on-Trent; and the following results of these surveys have been supplied through the courtesy of Dr. J. T. Hutchinson and Dr. E. Posner, Medical Directors of the Wolverhampton and Stoke-on-Trent Units respectively:

Table 72: Mass Radiography Results

| Unit           | Sessions          | Persons X-rayed |       |        | Tuberculosis |   |          |    |
|----------------|-------------------|-----------------|-------|--------|--------------|---|----------|----|
|                |                   |                 |       |        | Active       |   | Inactive |    |
|                |                   | M               | F     | Total  | M            | F | M        | F  |
| WOLVERHAMPTON  | Public .. ..      | 694             | 1,020 | 1,714  | —            | — | 3        | 3  |
|                | Industrial .. ..  | 8,524           | 3,643 | 12,167 | 10           | 2 | 70       | 7  |
|                | G.P. Referrals .. | 885             | 1,148 | 2,033  | 4            | 2 | 8        | 6  |
|                | TOTAL ..          | 10,103          | 5,811 | 15,914 | 14           | 4 | 81       | 16 |
| STOKE-ON-TRENT | Public .. ..      | 2,323           | 2,822 | 5,145  | 3            | — | 12       | 11 |
|                | Industrial .. ..  | 958             | 943   | 1,901  | 1            | — | 8        | 2  |
|                | G.P. Referrals .. | 75              | 54    | 129    | —            | — | —        | —  |
|                | TOTAL ..          | 3,356           | 3,819 | 7,175  | 4            | — | 20       | 13 |

The 22 cases of active or clinically significant Tuberculosis discovered in the 23,089 persons investigated gives a rate of 0.95 cases per 1,000, which seems a very low figure when one considers that a large proportion of those investigated—perhaps 10 per cent or more—were sent because they were suspect.

The table below shows the cases of non-tuberculous abnormalities discovered by the Units during their visits to Shropshire in 1961:

Table 73: Other Conditions

| Condition or Abnormality                 | Wolverhampton Unit |         |       | Stoke-on-Trent Unit |         |       |
|------------------------------------------|--------------------|---------|-------|---------------------|---------|-------|
|                                          | Males              | Females | Total | Males               | Females | Total |
| Non-tuberculous fibrosis .. ..           | 9                  | 1       | 10    | 5                   | 2       | 7     |
| Pleural thickening .. ..                 | 20                 | 2       | 22    | 6                   | 5       | 11    |
| Inflammatory lesions .. ..               | 19                 | 15      | 34    | 1                   | 1       | 2     |
| Bronchiectasis .. ..                     | 12                 | 5       | 17    | 8                   | 5       | 13    |
| Abnormality of diaphragm .. ..           | 1                  | 1       | 2     | 3                   | 3       | 6     |
| Old empyema .. ..                        | 5                  | 2       | 7     | —                   | —       | —     |
| Emphysema .. ..                          | 4                  | —       | 4     | 11                  | 1       | 12    |
| Cardio-vascular lesions .. ..            | 20                 | 10      | 30    | 27                  | 29      | 56    |
| Congenital abnormality of bony thorax    | 5                  | 6       | 11    | —                   | —       | —     |
| Acquired condition of ribs .. ..         | 4                  | 1       | 5     | —                   | —       | —     |
| Pneumoconiosis .. ..                     | 38                 | —       | 38    | 14                  | —       | 14    |
| Enlarged thyroid gland .. ..             | 3                  | 3       | 6     | 4                   | 1       | 5     |
| Enlarged glands of unknown etiology ..   | 2                  | —       | 2     | —                   | —       | —     |
| Sarcoidosis .. ..                        | 1                  | 3       | 4     | 5                   | 2       | 7     |
| Bronchial carcinoma .. ..                | 4                  | 2       | 6     | 1                   | —       | 1     |
| Metastases in lung .. ..                 | —                  | 1       | 1     | —                   | —       | —     |
| Miscellaneous .. ..                      | 4                  | —       | 4     | 3                   | 1       | 4     |
| Cases referred for further investigation | 25                 | 20      | 45    | 3                   | 2       | 5     |
| TOTAL ..                                 | 176                | 72      | 248   | 91                  | 52      | 143   |



**Domestic Help.**—Tuberculous persons are included amongst those provided with the services of Home Helps and during 1961 assistance was supplied through the Council's Domestic Help Service in 11 cases. Only those Home Helps who volunteer are employed in tuberculous households and they are paid 2d. per hour extra (*vide* page 55).

B.C.G. vaccination is offered to Home Helps willing to attend tuberculous cases and during the year 8 Home Helps were skin tested. Only one was a negative reactor and she was vaccinated.

Fifty-two Home Helps had chest X-rays and one of these was recalled for a large film examination at the Chest Clinic, but was subsequently cleared as fit for work.

**Open-air Shelters.**—The distribution on 31st December, 1961, of the 38 shelters owned by the County Council was as follows:

|                    |    |    |    |
|--------------------|----|----|----|
| At patients' homes | .. | .. | 32 |
| In store           | .. | .. | 6  |

**B.C.G. (Bacillus Calmette-Guerin) Vaccination.**—B.C.G. vaccination against Tuberculosis can be given to infants and other young contacts of tuberculous patients and to those who are at special risk by reason of their occupation.

During 1961, a total of 203 persons received vaccination at the Chest Clinic, the greater number of whom were child contacts of tuberculous relatives. This figure compares with 223 for the previous year.

**Vaccination of School Children.**—Vaccination is also given, with parental consent, to:

- school children in the year preceding their fourteenth birthday;
- children of 14 years and upwards who are still at school and students at universities, teacher training colleges, technical colleges and other establishments for further education; and
- whole school classes, which may include a few children under 13 years, for convenience.

The following are the particulars of schools visited for B.C.G. vaccination purposes during 1961, with the comparative figures for 1960.

Table 74: B.C.G. Vaccination in Schools

|                                  | Maintained and Grant-aided Schools |       | Independent Schools |      |
|----------------------------------|------------------------------------|-------|---------------------|------|
|                                  | 1960                               | 1961  | 1960                | 1961 |
| Schools visited .. ..            | 67                                 | 76    | 29                  | 25   |
| Children tested .. ..            | 5,593                              | 4,337 | 1,398               | 592  |
| Reactors—positive .. ..          | 770                                | 484   | 269                 | 102  |
| negative .. ..                   | 4,544                              | 3,637 | 1,117               | 488  |
| Not read .. ..                   | 279                                | 216   | 12                  | 2    |
| Children vaccinated .. ..        | 4,484                              | 3,595 | 1,105               | 473  |
| Negative reactors not vaccinated | 60                                 | 42    | 12                  | 15   |

The acceptance rate for B.C.G. vaccination has always been high and for 1961 was 94 per cent.

In addition, a special survey was made at one school where children had been in contact with a known case of Tuberculosis:

|                        | Tested | Positive Reactors | Negative Reactors | Not Read | Negative Reactors Vaccinated |
|------------------------|--------|-------------------|-------------------|----------|------------------------------|
| Children (all ages) .. | 68     | 8                 | 60                | —        | —*                           |
| Staff .. ..            | 1      | 1                 | —                 | —        | —                            |

\*The negative reactors were all pupils under 13 years and therefore too young for vaccination. All will be retested when they reach 13 years of age.

**Positive Reactors.**—All positive reactors discovered during school testing were X-rayed by the Mass Radiography Units and the following table summarises the results of these investigations which are also included in the table on page 46.

|                                     | Pupils | Home contacts* | Staff |
|-------------------------------------|--------|----------------|-------|
| Cases investigated .. ..            | 504    | 12             | 124   |
| Recalled for large film examination | 10     | —              | 1     |
| Cases of Tuberculosis discovered .. | —      | —              | —     |

\*The X-raying of home contacts of positive reactors was discontinued at the beginning of 1961, as it was felt that this practice was not sufficiently productive for the amount of work involved. From September, 1961, however, it was decided to offer X-ray appointments for the home contacts of children who were found to have large positive reactions on skin testing.

All positive reactors to the Mantoux test showing a large reading (20 m.m. or more) have an early large film X-ray by the Mass Radiography Unit which visits Shrewsbury and Wellington Chest Clinics twice monthly.

**Central Registers.**—The position with regard to cases on the Tuberculosis Registers during 1961 was as indicated below, with comparative figures for the previous year:

Table 75: Tuberculosis Registers

|                                    | 1960        |                 | 1961        |                 |
|------------------------------------|-------------|-----------------|-------------|-----------------|
|                                    | Respiratory | Non-Respiratory | Respiratory | Non-Respiratory |
| On register on 1st January .. ..   | 1,468       | 316             | 1,475       | 320             |
| ADDED : New cases .. ..            | 97          | 32              | 73          | 19              |
| Transfers in .. ..                 | 40          | 2               | 35          | 2               |
| Restored to register .. ..         | 7           | —               | 6           | 2               |
|                                    | 144         | 34              | 114         | 23              |
| REMOVED : Cured .. ..              | 63          | 17              | 92          | 27              |
| Non-tuberculous .. ..              | 2           | 2               | 1           | —               |
| Died (all causes) .. ..            | 21          | —               | 22          | 3               |
| Transfers out .. ..                | 44          | 8               | 37          | 10              |
| Recorded in error .. ..            | 3           | —               | —           | —               |
| Lost sight of .. ..                | 4           | 2               | 9           | —               |
| Inter-register transfer .. ..      | —           | 1               | —           | —               |
|                                    | 137         | 30              | 161         | 40              |
| On register on 31st December .. .. | 1,475       | 320             | 1,428       | 303             |

On 31st December, 1961, the 1,428 persons on the Register of Respiratory cases were distributed as follows:

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| Under domiciliary supervision by Health Visitors .. ..              | 1,104 |
| Not requiring supervision .. ..                                     | 279   |
| In hospitals and sanatoria, as listed below .. ..                   | 33    |
| In Shelton Hospital, having treatment apart from Tuberculosis .. .. | 12    |
|                                                                     | 1,428 |

Table 76: Patients in Hospitals and Sanatoria

|                                 |    |
|---------------------------------|----|
| Cheshire Joint Sanatorium .. .. | 8  |
| Cross Houses Hospital .. ..     | 7  |
| Wrekin Hospital .. ..           | 12 |
| Monkmoor Hospital .. ..         | 1  |
| East Hamlet Hospital .. ..      | 1  |
| Morda Hospital .. ..            | 3  |
| Tupsley Hospital .. ..          | 1  |
|                                 | 33 |

**Library Service.**—Persons suffering from Tuberculosis are not permitted to borrow books from public or circulating libraries. To meet the literary needs of home-bound cases an arrangement was made with the British Red Cross Society at the beginning of 1956 to provide a Library Service, books supplied by the Society being made available to patients through the medium of the Health Visitors.

Primarily because waiting lists for admission to sanatoria had largely disappeared during the last year or two, it was found in 1961 that the use being made of the service did not justify its continuation and in November the Health Committee decided to withdraw from the Scheme.

**Extra Nourishment.**—Two pints of milk per day are supplied on the recommendation of the Chest Physicians to patients suffering from Respiratory or Non-respiratory Tuberculosis and during 1961 assistance was given in this way to 122 tuberculous cases.

**Shropshire Tuberculosis Care Committee.**—This Committee, a voluntary organisation formed in 1956, derives its income mainly from the sale of Christmas Greeting Seals, and under the able Chairmanship of Major R. Deedes, G.C., has continued to render assistance to necessitous tuberculous cases and their families. During 1961, the Case Committee met on 15 occasions and approved assistance in a variety of ways to 79 cases (of whom 30 were helped for the first time) at a total cost of £474, compared with 96 cases and £606 in the previous year.

#### Health Education

The following reports on Health Education, Accidents in the Home and Home Safety are contributed by Mr. H. Harris, Health Education Clerk.

**Health Propaganda.**—The Health Department continue their activities in health education and to expand their visual aids facilities. Lectures and talks have been given in Child Welfare Centres, in Schools, and to outside and voluntary organisations, either as part of the normal routine or in response to special invitations, by Medical Officers, Dental Officers, Health Visiting, Nursing and lay staff.

Education that is designed to improve standards of health must begin at the top levels of intelligence and filter downwards. It is necessarily a slow process. When ultimately successful it results in a general realization that the maintenance of health calls for both positive and negative action and that good and hygienic personal habits and practices are desirable in the public interest, as well as that of the individual.



The welfare centres are the foci of local health teaching. The bases of County Council doctors, health visitors and nurses, they are visited by mothers and young children and are our own local offices or agencies. Although not used by all the population, nor even by all the mothers of the area, they still serve as points for the display of posters, distribution of leaflets, and setting up of displays, as well as a potential meeting place for allied activities, mothers' and other clubs and associations. In turn these last provide audiences interested in health matters who, with members and friends, can very considerably widen the effective scope of the normal Clinic or Centre.

At routine school medical inspections medical officers and health visitors give short talks on health subjects, especially on themes suggested by local conditions. It is becoming usual for special talks and demonstrations to be given in schools at the request of head teachers by members of the Department's staff.

So far as outside organisations are concerned we are always prepared to supply speakers on health topics in response to requests addressed either to the Health Department direct or to individual members of the staff. Demand for home safety demonstrations continues, and for other subjects, such as the Social Services, Smoking and Lung Cancer, Child Care and Management, Vaccination and Immunisation, general health matters such as Care of the Feet, Home Nursing and First Aid, Mothercraft, the work of a public health doctor, health visitor, and nurse-midwife. These talks are undertaken in and outside the sphere of the Child Welfare Centre and its allied organisations of the "Mothers' Clubs", and the requests may or may not be due to a personal link between the group and some member of the public health service. The age-groups of the audiences range from 10 to 70 years and the organisations themselves include Young Wives' Groups, Girls' and Youth Clubs, Mothers' Unions, Wolf Cubs, British Red Cross Cadets, St. John Ambulance and Civil Defence Units, Rotary Clubs, Women's Institutes, and Old People's Clubs. Talks on one subject can lead to requests for talks on other themes. A talk under one heading, e.g. the work of a public health doctor or health visitor, inspires questions on more diverse aspects of the health services, e.g. care of the aged, cancer, immunisation, the whole field of public health.

**Visual Aids.**—Talks are supported by 16 m.m. sound films, film strips, photographic slides, flannelgraphs (standard or specially-produced), posters, charts and leaflets, drawn from our own and outside resources.

**Opportunities for Health Education.**—All of us in public health are perforce engaged in health education, which is the handmaid of preventive medicine. Not all of us are qualified specialists, practised public speakers, dedicated enthusiasts, visual aids practitioners or people on the platform, but we must be active (positively or negatively) in this field, both in and out of workaday hours. Our own specialised functions must inevitably colour our lives and influence those around us. The informal talk, advice proffered on consultation, the clinic session (and display background), the casual encounter, comment on a poster, leaflet or news item, personal trials undergone or shared, are all part of the pattern of acquiring and imparting knowledge and ideas fundamental to our health.

Recurring problems or the more urgent common needs suggest set talks and demonstrations, stimulate general interest and make even the more retiring among us either embark on formal lecturing or call in others to do it for us. There is always scope for practised speakers. A new face or a different approach in our own individual areas is often valuable both to ourselves and our audiences.

Larger and smaller groups have each their own special place in health education, and relative success is not simply a matter of size. The large audience calls for and justifies the use of more elaborate demonstration material and equipment. It consists of a wider cross-section of the public and provides a stimulus to the smaller units which are combined within it, but it should be remembered that it is based on these smaller units and would be relatively ineffective without them. The smaller group has an inherently close-knit communion in which question, answer and discussion are natural modes of communication. Both in the larger and smaller groups some kind of break for refreshment provides opportunity for exchange of views and discussion of individual problems. Even a group of two can provide a safety-valve for one or both, but it will not have the scope of knowledge and range of experience of one of three or more. The larger the group, the greater are the possibilities of organisation—and the difficulties of meeting all needs.

**Exhibitions and Displays.**—The Health Department mount exhibits or stands in various districts and as opportunities arise. The displays set up in our Child Welfare Centres are mainly the work of health visitors in charge, supplemented by exhibits from the Central Department. There are, in the entrance hall of the latter, facilities for poster and triptych displays which are topical and changed from time to time. These are on view to visiting members of the public and of the outside staff, and are frequently studied in detail. Occasionally they have given rise to further enquiry or comment, and requests for the supply of posters or leaflets for schools, private persons or doctors' surgeries.

The Health Department's stand at the Old People's Festival in October, a three-day function organised annually by the Shropshire Old People's Welfare Committee, this year dealt with the County's Chiropody Services.



The Dental Health Stand was again staged at the one-day Oswestry Agricultural Show in September, in conjunction with the Shropshire branch of the British Dental Association. The exhibit included the Mobile Dental Clinic and occupied a space of 30ft. by 12ft. in the Chamber of Commerce tent. The twin themes of (1) Causes and Consequences of Dental Decay and (2) Prevention of Decay and Formation of Good Dentition were illustrated by posters, captions, slogans and set pieces devised in the Department. Supporting cases of models, showing normal development of the teeth and carious conditions, and an electrically operated Quiz Panel were loaned by the General Dental Council, the Quiz Panel being exceptionally popular with the youngsters. Sound films (16 m.m.) were shown on a daylight screen and an orthodontic exhibit also aroused great interest.

**General.**—In addition to supplying stock items such as standard flannelgraphs, display cards and units, charts and leaflets, Headquarters collect and circulate information concerning films or film strips to be hired or loaned, devise and prepare flannelgraphs and displays, photographs and slides, and on occasion make special notes available on loan.

We also distribute 1,400 copies of the magazine "Better Health" to mothers (via Welfare Centres), to Health Visitors, medical, nursing and lay staff and to schools in the County (other than Infants' and Nursery Schools).

#### Health Education Talks

The following table gives particulars of Health Education talks given in 1961 and has been compiled from information supplied by 7 Assistant County Medical Officers, 3 Dental Officers, one Superintendent Nursing Officer, 17 Health Visitors, 16 Nurses and the Lay Administrative Officer, or extracted from Headquarters records. Some of the subjects, e.g. Mothercraft and Personal Hygiene, were dealt with as a routine in Child Welfare Centres and Schools, and the figures given are understated. Others, notably Smoking and Lung Cancer, and Home Safety, are themes of general public interest and were specially arranged by request of the groups concerned.

Table 77: Health Education Talks

| Given by                             | Lecturers | Talks delivered |            |           | Illustrated by films, slides or strips | Numbers in audience |
|--------------------------------------|-----------|-----------------|------------|-----------|----------------------------------------|---------------------|
|                                      |           | Total           | In Schools | Elsewhere |                                        |                     |
| Assistant County Medical Officers .. | 4         | 8               | 4          | 4         | 3                                      | 287                 |
| Dental Officers .. .. .              | 1         | 8               | 2          | 6         | 8                                      | 393                 |
| Superintendent Nursing Officer ..    | 1         | 1               | —          | 1         | 1                                      | 12                  |
| Health Visitors .. .. .              | 5         | 52              | 14         | 38        | 9                                      | 782                 |
| Nurses .. .. .                       | 3         | 4               | —          | 4         | 3                                      | 102                 |
| Others .. .. .                       | 3         | 22              | 9          | 13        | 22                                     | 1,528               |
| <b>TOTAL ..</b>                      | <b>17</b> | <b>95</b>       | <b>29</b>  | <b>66</b> | <b>46</b>                              | <b>3,104</b>        |

#### Accidents in the Home

Table 78 below shows the home accident injuries known to have occurred in Shropshire during 1961. Eight of the cases were conveyed by ambulance to hospital. Forty-one were patients either in or attending hospitals, including 15 children admitted for observation after they had had access to poisonous tablets or liquids. One hundred cases were attended by District Nurses, who also gave after-care to the majority of hospital patients after their discharge. Several burns and scalds cases were in-patients for from five to six weeks.

The total numbers represent a reduction of 50 per cent on last year, and again it is probable that this decrease is more apparent than real.

One lady of 91 years died in hospital following a home accident when she fell against a gas fire in her bedroom.

The numbers of accidents in all groups are fewer than one might expect from any analysis of national deaths statistics, but it must be remembered that we usually hear only of those cases requiring nursing, hospital or ambulance attention. The under-fives appear to be at the greatest risk, but are still well below the 1960 figures as reported.

Table 78: Home Accidents

| Category                    | Total      | AGE GROUPS |           |          |           |          |           |           |           |
|-----------------------------|------------|------------|-----------|----------|-----------|----------|-----------|-----------|-----------|
|                             |            | 0—5        |           | 6—64     |           | 65+      |           | All       |           |
|                             |            | M          | F         | M        | F         | M        | F         | M         | F         |
| Burns and scalds .. ..      | 102        | 20         | 25        | 8        | 35        | 1        | 13        | 29        | 73        |
| Poisoning:                  |            |            |           |          |           |          |           |           |           |
| (a) Aspirin, etc. ..        | 12         | 4          | 8         | —        | —         | —        | —         | 4         | 8         |
| (b) Paraffin and liquids .. | 3          | 2          | 1         | —        | —         | —        | —         | 2         | 1         |
| (c) Other .. .. .           | 1          | —          | 1         | —        | —         | —        | —         | —         | 1         |
| Falls .. .. .               | 19         | 5          | 2         | 1        | 5         | —        | 6         | 6         | 13        |
| Others .. .. .              | 7          | 4          | 1         | —        | 1         | —        | 1         | 4         | 3         |
| <b>TOTAL ..</b>             | <b>144</b> | <b>35</b>  | <b>38</b> | <b>9</b> | <b>41</b> | <b>1</b> | <b>20</b> | <b>45</b> | <b>99</b> |



Once more by far the largest category is burns and scalds, notable perhaps because they are painful, require lengthy treatment and can result in severe scarring or disability. Hot water bottles caused burns and scalds, the latter on bursting or when children bumped against the person filling them. One bottle was left on a stair and led to the fall of a lady of 71 years.

Climbing children precipitated accidents, to themselves or others. An under-five got matches from a table in the early morning, set fire to a bed and burned his younger brother. Another climbed on to a washing machine, took off the lid and dipped his foot in boiling water when the machine was switched on. The result might have been worse. To the outside observer few of the accidents were completely inevitable. Very few indeed of those reported happened in conjunction with the frail or senile or the handicapped. Only two are known to have occurred in households that might be regarded as accident-prone.

The kitchen and the scullery were the danger spots for the 6—64 years old females, and to both sexes under 5. Forty-five persons of all ages were injured in accidents with buckets of hot water, kettles, pans and stoves, when they fell while carrying vessels of hot water or because toddlers came into contact with grates and stoves when guards were removed and attention was distracted. One infant was burned on a hot guard but this could be a salutary experience. Eleven infants were involved in accidental scalds at table, from teapots and cups that should have been out of their grasp.

Sixteen children under five ate aspirins or other tablets, drank paraffin or other liquids, and a tube of rubber solution, and in consequence fourteen were admitted to hospital for observation and precautionary treatment.

More accidents occur than are ever reported. By fortunate chance the majority may not be serious but we should always remember the risk. The figures available do give some indication of where the dangers lie, which of us is at risk—and the consequences of ignoring them.

### Home Safety

It is probably a coincidence that the apparent marked reduction in the numbers of reported home accidents in Shropshire has occurred in the year of publication of the Department's Home Safety Handbook and the further delivery of our illustrated talk and film show to a total of 18 groups, St. John Ambulance, British Red Cross, Mothers', Women's and Old People's Clubs, Women's Institutes and schools. None the less, it is curious that falls (which we have always stressed as the principal danger) should have fallen in Shropshire from 84 to 19 in this particular period while the national fatality rate remained roughly constant, and it is to be hoped that this trend is significant. We are encouraged to find that these talks often lead to requests for return visits and for other health themes.

Health has been defined as an ideal state of well-being and it is fairly certain that the incidence of home accidents and the general physical and mental states are very closely linked.

H. HARRIS.

### Care of the Aged in their own homes—Evening Visitors and Night Helps

The Council's proposals under Section 28 of the National Health Service Act include provision for the services of Evening Visitors and Night Helps for aged people who require assistance on account of illness or infirmity.

Help under this scheme is only provided when no relatives, friends or neighbours are available to assist, except in the case of Night Helps, when assistance can be provided to afford relief for a relative who has had the continuous care of a sick person for a prolonged period.

Whenever possible, help is supplied by voluntary workers but the scheme includes the employment of paid personnel to cover circumstances when voluntary assistance is not forthcoming.

It was not found necessary to employ any paid Evening Visitors during the year under review, but on one occasion a paid Night Help was employed for the equivalent of three night sessions. This help was provided free of charge to the recipient.

It is realised that much voluntary and neighbourly help must have been given during the year to meet the needs of sick and infirm persons, both in the evenings and at night, and this help is acknowledged with grateful appreciation.

### Prevention of Break-up of Families

One of the suggestions made by the Minister of Health in 1954 to Local Health Authorities for the development and use of the local health services to prevent the break-up of families was that trained Social Workers might be employed to enable the particular needs of families with problems to be studied and met in appropriate ways.

In the discussions which followed between the Chief Officers of the various Departments concerned, between whom excellent liaison exists, it was agreed that the *prevention* of family crises might be best accomplished by the secondment from the N.S.P.C.C. of one of their specially trained women visitors for duty in Shropshire.

This was agreed by the N.S.P.C.C. and since October, 1956, the services of a trained woman visitor have been available in Shropshire. A contribution of £300 per annum (£200 from the Health Committee and £100 from the Children's Committee) is made towards the expenses of this appointment.



The present Visitor is Mrs. R. Winch, who commenced duty in this County in June, 1960, and particulars of the work performed by her during 1961 are as follows:

|                                                                  |    |       |
|------------------------------------------------------------------|----|-------|
| Cases open at 1st January, 1961 .. .. .                          | 16 |       |
| New cases opened during the year .. .. .                         | 6  | 22    |
| Cases closed as satisfactory .. .. .                             | 1  |       |
| Cases returned to Inspector for transfer or other reason .. .. . | 2  | 3     |
| Cases open at 31st December, 1961 .. .. .                        |    | 19    |
| Number of children in new cases opened .. .. .                   |    | 32    |
| Visits of supervision .. .. .                                    |    | 962   |
| Miscellaneous visits .. .. .                                     |    | 852   |
| Total visits .. .. .                                             |    | 1,814 |

At the end of 1959 discussions took place between the Chief Officers concerned about the desirability of one Department holding a Central Register of Problem Families to facilitate exchange of information; and during 1960 an index of all such families known to the various Departments of the County Council was compiled and is being maintained in the Health Department.

The register comprises a simple alphabetical index of the names and addresses of the families concerned, with an indication of the Department holding the main file, and at the end of 1961 695 families were so registered. This figure is interesting, for it represents just less than 1 per cent of all families, which is what provisional estimates had suggested.

#### After-Care of Cancer Cases—The Marie Curie Memorial Foundation

**Area Welfare Grants Scheme.**—The Marie Curie Memorial Foundation use the County Medical Officer as their agent with discretion to provide assistance, in kind, to meet the urgent needs of cancer patients being nursed at home and to supplement help from statutory and other sources.

Monetary assistance is not provided directly and the needs most commonly met by the Foundation are by payment for night nursing and daytime help, and the supply of linen, bedding, clothing, personal comforts and extra nourishment.

The first grant of £50 was received from the Foundation in June, 1957, and with grants in subsequent years, including £200 in 1961, the total of their Shropshire grants amounts to £450.

The Marie Curie Foundation will also pay for a Day and Night Nursing Service for cancer patients. While very useful in certain circumstances, no occasion was found to use this particular service in 1961.

Table 79: Cases Assisted

| Assistance Provided                          | Amount expended in 1961 |     |       |
|----------------------------------------------|-------------------------|-----|-------|
|                                              | Cases                   | £   | s. d. |
| Domestic help .. .. .                        | 2                       | 51  | 13 10 |
| Special equipment for comfort of patients .. | 1                       | 6   | 10 6  |
| Extra nourishment .. .. .                    | 7                       | 47  | 13 10 |
| Fuel .. .. .                                 | 2                       | 4   | 9 9   |
| Miscellaneous needs .. .. .                  | 1                       | 1   | 5 0   |
| TOTAL ..                                     | 10*                     | 111 | 12 11 |

\*This is the total of individual patients helped. Of the patients receiving extra nourishment, one was also supplied with fuel, one was provided with domestic help and one had repairs carried out to a fireplace.

#### Chiropody Service

Proposals for a Chiropody Service for the aged, handicapped persons and expectant mothers, in accordance with Ministry of Health Circular No. 11/59, were adopted by the County Council in 1960 in the following terms:

“The Council propose to make available throughout the County a chiropody service where necessary and in the first instance for the aged, physically handicapped persons and expectant mothers, and for other classes of persons for whom it may subsequently be deemed desirable.

The service will be provided through the agency of voluntary organisations and/or by the direct employment of qualified chiropodists, whole-time or part-time as may be required. Treatment will be carried out at the chiropodists' surgeries, welfare centres, the premises of voluntary organisations or at the patients' homes as may be necessary.



Persons availing themselves of the service will be expected to pay a basic charge per treatment which may be remitted in cases of need".

For the purposes of this Service, the eligible aged are regarded as persons of pensionable age (females aged 60 or over and males of 65 or over) who are mainly dependent upon the retirement pension and/or national assistance.

Most of the Voluntary Old People's Organisations who have for some years operated local Chiropody schemes in Shropshire have accepted participation in the County scheme and receive an annual subsidy. During 1961, ten such schemes were in operation and all but one provide treatment for handicapped persons and expectant mothers in addition to the aged.

Contractual arrangements for the treatment of eligible cases were continued in 1961, with two private Chiropodists, one of whom withdrew from the scheme on retiring from practice.

To provide a service in those areas of the County not covered by local schemes or through contractual arrangements, the Council in May, 1961, appointed a whole-time County Chiropodist to carry out treatment at sessions arranged in Welfare Centres and in the homes of patients unfit to travel to such sessions. While it was at first thought that the number of such domiciliary cases would be small, it has been found more practicable, and certainly cheaper, for the Chiropodist to undertake treatment in their own homes of patients who, living in rural areas many miles from Welfare Centres, would have to be transported long distances by the Ambulance Service. At the same time, treatment at home has also been afforded to patients in these areas who, not being eligible for transport, would have found it impossible because of distance and inadequacy of public transport, to attend a Welfare Centre session. Consequently, the number of domiciliary cases dealt with has been far larger than originally anticipated.

*Voluntary Organisations.*—Patients treated under local Chiropody schemes during 1961 totalled 1,013 aged persons (3,149 treatments) and 30 handicapped persons (95 treatments).

*Private Chiropodists.*—During 1961, a total of 16 patients (all aged cases) received 63 treatments by private Chiropodists under the County Scheme. Free treatment was provided in one of these cases.

*County Chiropodist.*—Sessions at 14 Welfare Centres throughout the County were attended by the County Chiropodist since his appointment in May, 1961, who also undertook monthly sessions at Ellesmere House, a Welfare Committee home for the aged, and on behalf of two Old People's Voluntary Welfare Committees and Clubs. In all, 96 such sessions were attended.

The following are particulars of the cases treated:

Table 80: Cases Treated by County Chiropodist

|                                                        | <i>Aged</i> | <i>Handicapped<br/>Persons</i> | <i>Expectant<br/>Mothers</i> | <i>Total</i> |
|--------------------------------------------------------|-------------|--------------------------------|------------------------------|--------------|
| <i>Clinic Sessions<br/>(including Ellesmere House)</i> |             |                                |                              |              |
| Patients .. .. .                                       | 216         | 9                              | 3                            | 228          |
| Treatments .. .. .                                     | 470         | 25                             | 4                            | 499          |
| <i>Domiciliary</i>                                     |             |                                |                              |              |
| Patients .. .. .                                       | 124         | 5                              | —                            | 129          |
| Treatments .. .. .                                     | 342         | 15                             | —                            | 357          |
| <b>TOTAL PATIENTS ..</b>                               | <b>340</b>  | <b>14</b>                      | <b>3</b>                     | <b>357</b>   |
| <b>TOTAL TREATMENTS ..</b>                             | <b>812</b>  | <b>40</b>                      | <b>4</b>                     | <b>856</b>   |

A charge of 2/6d. per treatment is made, which can be remitted in cases of hardship. No charge was made in 178 treatments of aged persons and 24 of handicapped persons.

#### Other Aspects of Care and After-Care

*Other Types of Illness.*—Any necessary nursing care and attention for patients discharged from hospital is provided through the Council's Home Nursing Service and the Regional Hospital Board undertake to supply particulars of all discharged hospital patients requiring after-care to the Local Health Authority.

The help of the Children's Officer and Department, their counsel, information, visiting service, and the provision of accommodation for dependent children when necessary, are greatly valued in domestic emergency, such as the illness or confinement of the mother.

*Provision of Nursing Equipment.*—All Home Nurses and Midwives hold a small supply of minor articles such as hot water bottles, air rings, bed pans and feeding cups, for loan to patients being nursed at home.

Larger items of equipment, including wheel chairs, air beds, etc., are held in store at the County Health Department, and issued as required. Applications should be made in office hours to the Health Department, 13 College Hill, Shrewsbury (Telephone No. 52211); or at other times to No. 4 Claremont Bank, Shrewsbury (Telephone No. 2141).

A small charge is made for the hire of larger items of equipment only.

During the year, 1,613 issues of equipment were made to 1,120 patients, items being loaned direct from the Health Department in 718 cases and by nurses and midwives in 402 cases, as summarised below:

Table 81: Issues of Nursing Equipment

| Item                          | Issued in 1961 |            | Total        |
|-------------------------------|----------------|------------|--------------|
|                               | Health Dept.   | Nurses     |              |
| Air beds .. .. .              | 1              | —          | 1            |
| Air rings .. .. .             | 27             | 87         | 114          |
| Back rests .. .. .            | 96             | 139        | 235          |
| Bed pans .. .. .              | 134            | 160        | 294          |
| Bed cradles .. .. .           | 19             | 15         | 34           |
| Bed tables .. .. .            | 6              | 1          | 7            |
| Bedsteads .. .. .             | 16             | 1          | 17           |
| Commode chairs .. .. .        | 42             | 2          | 44           |
| Crutches .. .. .              | 14             | —          | 14           |
| Dunlopillo rings .. .. .      | 69             | 17         | 86           |
| Feeding cups .. .. .          | 3              | 16         | 19           |
| Hoyer patient lifter .. .. .  | 12             | —          | 12           |
| Mattresses—Dunlopillo .. .. . | 31             | 4          | 35           |
| Other .. .. .                 | 2              | —          | 2            |
| Rubber sheets .. .. .         | 213            | 168        | 381          |
| Urinals .. .. .               | 37             | 83         | 120          |
| Wheel chairs .. .. .          | 129            | —          | 129          |
| Miscellaneous .. .. .         | 60             | 9          | 69           |
| <b>TOTAL ..</b>               | <b>911</b>     | <b>702</b> | <b>1,613</b> |

**Recuperative Convalescence.**—Under the County Council's scheme for the provision of convalescent facilities, arrangements are made for patients who are in need of a short convalescent holiday, involving no more than rest, good food, fresh air and regular hours, to go to suitable Convalescent Homes. Financial responsibility is accepted by the Council but patients are required to contribute towards the cost of their convalescence in accordance with their means.

During 1961, the following Convalescent Homes received 57 cases, at a total gross cost of £571 1s. 0d., of which £34 15s. 10d. was recovered from patients or their relatives, no charge being made in 27 cases. The comparable figures for 1960 are shown in brackets.

Table 82: Convalescence Cases

|                                               | Adults         | Children     |
|-----------------------------------------------|----------------|--------------|
| Lady Forester Convalescent Home, Llandudno .. | 47 (31)        | — (—)        |
| "The Rest" Convalescent Home, Porthcawl ..    | — (4)          | — (—)        |
| Copthorne Holiday Home, Surrey .. .. .        | — (1)          | — (1)        |
| Ormerod Home, St. Annes-on-Sea .. .. .        | — (—)          | 3 (1)        |
| Church Army Home, Southport .. .. .           | — (1)          | — (1)        |
| Church Army Home, Weston-super-Mare .. .. .   | 3 (1)          | 1 (2)        |
| Roseberry House, Blackpool .. .. .            | 1 (—)          | 2 (—)        |
|                                               | <b>51 (38)</b> | <b>6 (5)</b> |

## DOMESTIC HELP SERVICE

Since 5th July, 1948, the County Council have provided a Domestic Help Service, which was initiated and operated on the Council's behalf by the Women's Voluntary Services in the first instance. Since 1st April, 1952, however, the Service has been operated directly by the Council.

Particulars of the Domestic Help Offices operating within the County on 31st December, 1961, are given in the table below:

Table 83: Home Help Offices

| Centre                  | Address                                     |
|-------------------------|---------------------------------------------|
| BRIDGNORTH .. .. .      | Child Welfare Centre, Northgate             |
| CHURCH STRETTON .. .. . | Cottage Room, Silvester Horne Institute     |
| LUDLOW .. .. .          | Child Welfare Centre, Dinham                |
| MARKET DRAYTON .. .. .  | Child Welfare Centre, Longslow Road         |
| NEWPORT .. .. .         | Child Welfare Centre, Beaumaris Road        |
| OSWESTRY .. .. .        | Child Welfare Centre, 30 Upper Brook Street |
| SHREWSBURY .. .. .      | County Health Department, 3 Swan Hill       |
| WELLINGTON .. .. .      | 42 Tan Bank                                 |
| WHITCHURCH .. .. .      | Child Welfare Centre, 27 St. Mary's Street  |



**Administration.**—The Service is administered by the Health Committee of the County Council through their Nursing Sub-Committee.

With the exception of the Shrewsbury Office, which is operated within the general framework of the Department, each office is staffed by a paid part-time clerical assistant who is responsible for the day to day operation of the Service in her area, arranging the completion of application forms by householders requesting the services of a Home Help and receiving any charges which they may be required to pay.

All assessments are dealt with in the County Health Department where a centralised recording system is operated to control the collection of payments.

Each applicant for the services of a Home Help is visited by the District Nurse, or where necessary by the Health Visitor, who satisfies herself that the case is within the scope of the Service before recommending the extent to which assistance should be provided. Subsequent supervision is exercised through the medium of the Nursing Officers.

**Charges for Domestic Help.**—Applicants who feel unable to pay the Council's standard charge for Domestic Help—which was increased from 3/3d. to 3/8d. per hour from 1st August, 1960 (since raised in 1962 to 4/1d. per hour), representing the cost of wages and national insurance payments of the Home Helps—may elect to furnish particulars of their financial circumstances so that they may be assessed to pay in accordance with their means. The assessed weekly charge for help provided for a domiciliary confinement case is raised by £1 per week for two weeks when a Home Confinement Grant is payable by the Ministry of National Insurance.

**Home Helps.**—Payment to Home Helps is made in accordance with the wages scale of the West Midlands Joint Industrial Council, Local Authority Non-Trading Services (Manual Workers). The rates in operation at the end of 1961 were 3/6½d. per hour in the Shrewsbury, Wellington and Oswestry districts, and 3/5½d. elsewhere in the County, these rates being increased by 2d. per hour for work undertaken in homes where cases of respiratory tuberculosis or certain other infectious diseases are present.

A small number of whole-time Helps is employed for maternity cases and others needing full-time assistance, but in order to avoid "standing time" the major part of the work is undertaken by part-time helps.

All Home Helps are provided with overalls and are paid travelling expenses, either in the form of a weekly allowance for the use of bicycles or by the refund of actual bus or rail fares. Part-time helps receive payment for travelling time.

On 31st December, 1961, a total of 159 Home Helps was employed (6 full-time and 153 part-time) and the table below shows their distribution throughout the County:

Table 84: Home Helps employed on 31st December

| Centre             | Whole-time | Part-time | Total |
|--------------------|------------|-----------|-------|
| Bridgnorth ..      | —          | 14        | 14    |
| Church Stretton .. | —          | 6         | 6     |
| Ludlow ..          | —          | 16        | 16    |
| Market Drayton ..  | 2          | 4         | 6     |
| Newport ..         | —          | 6         | 6     |
| Oswestry ..        | —          | 20        | 20    |
| Shrewsbury ..      | 4          | 48        | 52    |
| Wellington ..      | —          | 32        | 32    |
| Whitchurch ..      | —          | 7         | 7     |
| Total for 1961 ..  | 6          | 153       | 159   |
| Total for 1960 ..  | 7          | 142       | 149   |

**Work Performed.**—During 1961, a total of 1,074 cases was assisted, at an average of 538 per week, and the hours worked and travelled by Home Helps in attending these cases amounted to 172,622.

Particulars of the individual categories of cases are given in the first table below. That this is a very important service for the elderly and chronic sick is emphasized by the fact that they represent 74.8 per cent of the cases and that 151,570 (or 88 per cent) of the hours worked by the Home Helps were devoted to their help; and this work is a big factor in helping elderly and chronic sick cases to avoid having to leave their homes to enter hospital or welfare accommodation.

Table 85: Cases attended by Home Helps

| Centre             | Chronic Sick and Aged | Illness | Maternity | Post-operative | T.B. | Others | Total |
|--------------------|-----------------------|---------|-----------|----------------|------|--------|-------|
| Bridgnorth ..      | 64                    | 3       | 7         | —              | 1    | —      | 75    |
| Church Stretton .. | 14                    | 1       | 7         | —              | 1    | —      | 23    |
| Ludlow ..          | 60                    | 4       | 3         | 3              | —    | —      | 70    |
| Market Drayton ..  | 28                    | 5       | 15        | —              | —    | —      | 48    |
| Newport ..         | 28                    | 1       | 7         | 1              | —    | 1      | 38    |
| Oswestry ..        | 93                    | 6       | 20        | 6              | —    | —      | 125   |
| Shrewsbury ..      | 248                   | 30      | 82        | 8              | 6    | 3      | 377   |
| Wellington ..      | 228                   | 9       | 26        | 3              | 2    | 1      | 269   |
| Whitchurch ..      | 40                    | —       | 6         | 2              | 1    | —      | 49    |
| Total for 1961 ..  | 803                   | 59      | 173       | 23             | 11   | 5      | 1,074 |
| Total for 1960 ..  | 719                   | 49      | 148       | 27             | 15   | 7      | 965   |

Table 86: Elderly and Chronic Sick Cases

| Year | Cases                           |                             |          | Hours Worked                    |                             |          |
|------|---------------------------------|-----------------------------|----------|---------------------------------|-----------------------------|----------|
|      | Total—<br>all categories<br>(1) | Elderly and<br>Chronic Sick |          | Total—<br>all categories<br>(4) | Elderly and<br>Chronic Sick |          |
|      |                                 | Number<br>(2)               | %<br>(3) |                                 | Number<br>(5)               | %<br>(6) |
| 1952 | 831                             | 370                         | 45       | 134,778                         | 95,690                      | 71       |
| 1953 | 755                             | 367                         | 49       | 120,886                         | 87,580                      | 71       |
| 1954 | 731                             | 359                         | 49       | 129,173                         | 87,695                      | 68       |
| 1955 | 648                             | 383                         | 59       | 130,239                         | 102,358                     | 78       |
| 1956 | 639                             | 398                         | 62       | 130,596                         | 106,381                     | 81       |
| 1957 | 709                             | 475                         | 67       | 140,778                         | 116,449                     | 83       |
| 1958 | 786                             | 530                         | 67       | 142,552                         | 118,389                     | 83       |
| 1959 | 845                             | 597                         | 71       | 154,251                         | 130,564                     | 85       |
| 1960 | 965                             | 719                         | 75       | 171,608                         | 148,039                     | 86       |
| 1961 | 1,074                           | 803                         | 75       | 172,622                         | 151,070                     | 88       |

**Recovery and Expenditure.**—The sum recovered during 1961 from those taking advantage of the Service was £4,468, compared with £3,991 during 1960 and £3,966 during the previous year. The statement below relates the numbers of hours worked and travelled to cases paying for the help at the standard rate, to those paying an assessed weekly charge and those receiving free help. Comparable figures for 1957 to 1960 are also given.

Table 87: Hours worked and travelled by Home Helps

|                  | 1957           | 1958           | 1959           | 1960           | 1961           |
|------------------|----------------|----------------|----------------|----------------|----------------|
| Standard Rate    | 9,491 = 6.7%   | 13,602 = 9.5%  | 15,111 = 9.8%  | 14,721 = 8.6%  | 14,672 = 8.5%  |
| Assessed Rate .. | 63,588 = 45.2% | 57,302 = 40.2% | 63,871 = 41.4% | 76,855 = 44.8% | 84,543 = 49.0% |
| Free .. .. .     | 67,699 = 48.1% | 71,648 = 50.3% | 75,269 = 48.8% | 80,032 = 46.6% | 73,407 = 42.5% |
| TOTAL ..         | 140,778        | 142,552        | 154,251        | 171,608        | 172,622        |

The County Council's assessment scale was modified in January, 1958, in September, 1959, and again in April, 1961, to the advantage of householders, following changes in the National Assistance Board's allowances, upon which the scale is based.

Particulars are given below of the expenditure incurred by the Council in the operation of the Service during 1961, with corresponding totals for the four preceding years:

Table 88: Cost of Domestic Help Service

| Year      | Wages and Insurance    |                |               | Overalls,<br>Rentals,<br>etc. | Total<br>Expen-<br>diture | Payments<br>by<br>House-<br>holders | Nett Cost<br>to<br>County<br>Council | Receipts as<br>Percentage<br>of Ex-<br>penditure |
|-----------|------------------------|----------------|---------------|-------------------------------|---------------------------|-------------------------------------|--------------------------------------|--------------------------------------------------|
|           | Clerical<br>Assistants | Home Helps     |               |                               |                           |                                     |                                      |                                                  |
|           |                        | Whole-<br>time | Part-<br>time |                               |                           |                                     |                                      |                                                  |
| £<br>1957 | £<br>1,267             | £<br>4,512     | £<br>19,349   | £<br>1,056                    | £<br>26,184               | £<br>2,775                          | £<br>23,409                          | %<br>10.6                                        |
| 1958      | 1,493                  | 3,399          | 22,301        | 1,017                         | 28,210                    | 3,546                               | 24,664                               | 14.4                                             |
| 1959      | 1,545                  | 2,680          | 25,640        | 1,112                         | 30,977                    | 3,966                               | 27,011                               | 12.8                                             |
| 1960      | 1,649                  | 2,906          | 29,954        | 1,267                         | 35,776                    | 3,991                               | 31,785                               | 11.1                                             |
| 1961      | 1,684                  | 2,597          | 33,441        | 1,449                         | 39,171                    | 4,468                               | 34,703                               | 11.4                                             |

The wage awards made to Home Helps by the National Joint Council for Local Authorities' Services in May, 1957, July, 1959, April, 1960, and in January and April, 1961, have caused the cost of the Service to rise from year to year, but the steady rise from year to year of the percentages in columns 3 and 6 of Table 86, seems to be evidence for the Health Committee's contention that the service is not abused and that the help goes to where it is most needed, namely to the elderly and chronic sick whose incomes are limited.



## MENTAL HEALTH SERVICE

### Report of Senior Mental Welfare Officer

The functions of Local Health Authorities for patients who are, or have been, suffering from mental disorder are very broadly stated in Section 6 of the Mental Health Act, 1959, to be:

- (a) the provision, equipment and maintenance of residential accommodation, and the care of persons for the time being resident in such accommodation;
- (b) the provision of centres or other facilities for training or occupation, and the equipment and maintenance of such centres;
- (c) the appointment of officers to act as mental welfare officers;
- (d) the exercise by the Local Health Authority of their functions under the Act in respect of persons placed under guardianship; and
- (e) the provision of any ancillary or supplementary services for the prevention of mental disorder or for the care and after-care of mentally disordered persons.

Some of these functions are not entirely new to Local Health Authorities, as schemes for the community care of the mentally disordered have gradually evolved throughout the country since the National Health Service Act came into operation in 1948. Indeed, in a few areas model schemes have been developed and, although for geographical, financial and other reasons there will always be some variation in the services provided by one Local Health Authority compared with another, a levelling-up process was started as a result of the 1959 Act.

This process had barely gained momentum, much less had it been completed, when the Minister lately asked Local Health Authorities to prepare and submit to him for approval a ten year programme for the further development of their domiciliary "personal" health services, the need for which would inevitably arise consequent upon the Ministry of Health's ten-year plan for reducing the number of hospital beds.

Speaking a little over a year ago at the Annual Conference of the National Association for Mental Health, the Minister had declared that in the future he would have no use for the older type mental hospitals as we know them today.

It was not altogether surprising, therefore, to find that, in the Hospital Plan for the Birmingham Region which was published a few months ago, the number of beds at Shelton Hospital would ultimately be reduced from 1,012 to 448.

The plan actually showed an increase in the number of hospital beds for the subnormal and severely subnormal by 1975, but this should not give rise to any degree of complacency as there has been a serious shortage of such beds throughout the region since the end of the war. With a gradual rise in the subnormal and severely subnormal population due to increased longevity resulting from advances in the treatment of physical illness and with no corresponding breakthrough in the prevention of these forms of mental disease, Local Health Authorities will have to provide more community services for these patients, particularly for the adults.

**Staff.**—On 31st December, 1961, the staff employed wholly in the Mental Health Service consisted of the following officers:

- 1 Senior Mental Welfare Officer
- 6 Mental Welfare Officers
- 13 Training Centre Staff

The above figures include two additional Mental Welfare Officers and three training centre staff who were recruited during the year.

In addition, nine Assistant County Medical Officers, the Superintendent Nursing Officer and her Deputy, two Assistant Superintendent Nursing Officers and forty Health Visitors have various duties in the Mental Health Service.

**Training of Staff.**—On entering the service of the Council, all Assistant County and School Medical Officers who do not possess training and experience in the ascertainment of educationally subnormal pupils and mentally subnormal patients are sent on a special post-graduate course. This, together with practical instruction received both before and after the course from an experienced Medical Officer, qualifies them to examine and report upon children who may be educationally subnormal or unsuitable for education in school. Upon the advice of two members of the Regional Hospital Board Advisory Panel, such Medical Officers may also be approved by the Local Health Authority for the purpose of making medical recommendations in connection with the compulsory admission of subnormal patients to hospital or guardianship. Arrangements are also made to second other members of the staff for appropriate courses of training. One Mental Welfare Officer is at present attending a special one-year Course at the London School of Economics and Political Science with a view to obtaining the Mental Health Certificate and a member of the Training Centre Staff is concurrently attending a one-year Course for Teachers of the Mentally Handicapped to enable her to obtain the Diploma awarded by the National Association for Mental Health.



### Mental Illness:

*Liaison with hospital services.*—The proximity of Shelton Hospital to the Council's Health Department facilitates day-to-day consultation between the Hospital Staff and the Council's Medical and Mental Welfare Officers. One hundred patients were referred to the Local Health Authority during 1961 for after-care services to be provided and much useful information was exchanged at the fortnightly case conferences which are held at Shelton Hospital, and which are attended by Mental Welfare Officers, Psychiatric Social Workers and medical staff.

Psychiatric out-patient clinics for adults are held twice weekly at Shrewsbury and Wellington; weekly at Oswestry, Ludlow, and Bridgnorth; and fortnightly at Market Drayton and Whitchurch. The latter two clinics are held in the County Council's Welfare Centres. Out-patient clinics for children are also held at Shrewsbury, Bridgnorth, Wellington and Oswestry. All these clinics are staffed medically by the Regional Hospital Board's Consultant Psychiatrists, and a Psychiatric Social Worker or a Mental Welfare Officer is also in attendance to deal with social problems.

*Admissions to Hospitals for Mental Illness.*—The Mental Welfare Officers were concerned in the admission to hospital of 299 mentally ill patients in 1961, practically all of whom were admitted to Shelton Hospital. Particulars of these admissions are given in the following table:

Table 89: Mentally ill patients dealt with by Mental Welfare Officers

| <i>Mental Health Act, 1959:</i>         | <i>Male</i> | <i>Female</i> | <i>Total</i> |
|-----------------------------------------|-------------|---------------|--------------|
| Informal patients . . . . .             | 59          | 52            | 111          |
| Compulsory patients:                    |             |               |              |
| (a) Emergency Orders (Section 29) . .   | 18          | 15            | 33           |
| (b) Observation Orders (Section 25) . . | 42          | 52            | 94           |
| (c) Treatment Orders (Section 26) . .   | 23          | 37            | 60           |
| (d) Hospital Orders (Section 60) . .    | 1           | —             | 1            |
| TOTAL . .                               | 143         | 156           | 299          |

In addition to the 299 admissions to hospital arranged by Mental Welfare Officers, investigations were carried out into 86 further cases of suspected mental illness. Some of these required no special provision and were allowed to remain in the care of relatives or friends; others were found to need geriatric services and were admitted to appropriate hospital accommodation; while others were referred to the County Welfare Officer with a view to admission to the Council's Residential Homes.

*Registration of Mental Nursing Homes.*—In Part III of the Mental Health Act, 1959, a mental nursing home is defined as any premises used or intended to be used for the reception of, and the provision of nursing or other medical treatment for, one or more mentally disordered patients, not being a hospital or other premises managed by a government department or provided by a local authority.

Part III of the Act further states that a "registration authority" in relation to a mental nursing home means the county or county borough council in whose area the home is situated; and that Part VI of the Public Health Act, 1936, relating to the registration of ordinary nursing homes, and Byelaws made thereunder, are also applicable subject to modifications and additions embodied in Regulations made by the Minister.

There are two registered Mental Nursing Homes in this County, namely:

(a) *The Grove House (Church Stretton) Ltd.*

This Home is registered for the reception of 30 mentally ill patients who may, if necessary, be detained in accordance with the appropriate provisions of the Mental Health Act, 1959.

(b) *Loppington House, Wem.*

Loppington House has been registered for the reception of 65 children aged sixteen years and under, of both sexes, who are suitable to live in association and who are not subject to detention. Most of the children in the Home are long-stay patients. Some of them are maintained by the Birmingham Regional Hospital Board, while others are accommodated under private arrangements between the parents and the Managers of the Home. A very few short-stay cases are sent by other local health authorities.

Both Mental Nursing Homes are inspected quarterly by officers of the County Health Department.

### Subnormality and Severe Subnormality:

*Care and After-Care.*—By arrangement with the Education Department a Mental Welfare Officer now always makes the initial visit to a child's home before a decision is recorded that he is unsuitable for education in school, in order to explain the position to the parents and, if appropriate and possible, to arrange for the child to attend a training centre.

During 1961, the Local Education Authority recorded 24 such decisions and furnished reports to the Local Health Authority in order that the Mental Welfare Officers or Health Visitors might henceforth make regular visits to the homes for as long as necessary to give any help or advice which might be required.

In addition, 25 educationally subnormal school leavers were referred informally by the Education Authority to the Health Authority in order that the Mental Welfare Officers and Health Visitors might keep in touch with them while they are growing up and offer such assistance as may be needed.



The total number of subnormal and severely subnormal patients who on 31st December, 1961, were receiving home visits by the Local Health Authority's Officers was 878, who are classified according to sex and age in the following table:

Table 90: Subnormal and Severely Subnormal Patients Receiving Home Visits

|         | Age at 31st December, 1961 |      |       |       |         | Total |
|---------|----------------------------|------|-------|-------|---------|-------|
|         | Under 5                    | 5—15 | 16—30 | 31—60 | Over 60 |       |
| Males   | 1                          | 78   | 279   | 90    | 5       | 453   |
| Females | 5                          | 66   | 221   | 122   | 11      | 425   |
| TOTAL   | 6                          | 144  | 500   | 212   | 16      | 878   |

*Employment.*—Of the 728 adults receiving home visits, 348 were in paid employment, 227 were occupied to a certain extent helping in domestic or other work at home and 153 had no employment or occupation. Possibly 48 of the two latter categories would be suitable to attend Adult Training Centres which the Council intend to provide when the building of the Junior Centres have been completed.

A number of the patients who are shown as being in employment have difficulty in retaining a job and their resettlement in fresh employment frequently involves Mental Welfare Officers in painstaking and time-consuming enquiries.

*Junior Training Centres.*—All severely subnormal children who are not so seriously handicapped as to require admission to hospital and who can benefit from training should attend a training centre, to develop to the maximum whatever latent capabilities they may possess, so that when they reach adult life they will be much less dependent upon others than if they had received no formal training; to make the children more socially acceptable in the community; and to ease the burden upon parents while the children are growing up.

The Mental Health Act contains a provision enabling Local Health Authorities in certain circumstances to compel the attendance of such children at training centres, but it is thought that this power will rarely if ever be used, as most parents are only too eager for their children to receive training when it is offered, and sometimes demand it before facilities are available.

The average number of children during the year on the register of the present Shrewsbury Training Centre at Sutton Lodge, Betton Street, was 48, including 10 girls who boarded on a weekly basis; the average at Wellington Centre, which is situated on the grounds of the Vineyard Children's Home, was 22. A further 15 children attended the three part-time Centres which are held at the Welfare Centres at Wem (one day a week), Whitchurch and Oswestry (two days a week).

It is pleasing to be able to report that the building of Shrewsbury's new junior training centre at Woodcote Way, Monkmoor (which will replace the existing centre at Sutton Lodge) has been started and should be completed before the end of 1963. There will be 80 places—40 for day pupils who will be drawn from Shrewsbury and the immediately surrounding area, and 40 for weekly boarders (20 of each sex) who will be drawn from the more remote parts of the County and who consequently could not attend on a daily basis.

Much less favourable is the position at Wellington, where for some years the Council has been waiting for the Regional Hospital Board to transfer their out-patient services, which were accommodated in the Council's Welfare Centre in Hyagate Road, to the out-patient building at Wrekin Hospital which was only completed a few months ago. It had been confidently hoped and understood that on completion of the out-patient department, the Regional Hospital Board would also be able to offer to the Council the use of accommodation for the latter's infant welfare and ancillary services, thus freeing the Council's Welfare Centre for conversion to a junior training centre.

In the event, the Regional Hospital Board could only offer facilities which were inadequate for the Council's infant welfare and other services and in consequence such services had to remain in the Hyagate Road premises, the Health Committee thus being forced to consider alternative proposals for a junior training centre.

The present position is that provision has been made in the Capital Building Programme for 1963—4 for the erection of a new junior training centre which will be built on land near the Vineyard Children's Home, the Children's Committee having agreed to transfer a suitable site to the Health Committee.

Though the next twelve months or so will be a very trying period while we wait for the new Wellington Training Centre to materialize, it is a great relief to know that all obstacles have at last been cleared.

*Adult Training Centres.*—As very few of the pupils who attend junior training centres will be capable of undertaking open employment, and as many of the benefits of their early training would eventually be lost if no substitute were provided, it is felt essential that Adult Training Centres should be established. Provision has been made in the Capital Building Programme for 1964—5 for the erection of Adult Training Centres with associated hostel accommodation in Wellington and Shrewsbury and it is considered that in later years it will be necessary to provide some Adult Centres in other parts of the County.

*Guardianship.*—The conception of guardianship under the Mental Health Act is that it can appropriately be used when, for example, it is necessary to exercise some degree of control over the residence or activities of a person. At present there would appear to be practically no scope for this form of care in Shropshire, but when hostels are provided it may be appropriate in a few instances.



There are at present only two severely subnormal Shropshire patients under guardianship, both of whom reside in the County of Surrey, the Brighton Guardianship Society undertaking visits on the Council's behalf.

*Voluntary Organisations.*—The Shrewsbury and Wellington branches of the National Society for Mentally Handicapped Children are vigorous bodies who augment our efforts for the children, and organize various outings and social activities. They also make valuable gifts which have in the last few years included a television set, radio, tape recorders, tricycles, a scooter and a bicycle. Their interest in forthcoming provisions is naturally great, and with ideas, enthusiasm and financial aid they are determined to make these centres models of their kind—and one must acknowledge their tremendous help. Each branch operates a social club for mental subnormals, held fortnightly in the Council's Welfare Centres in Shrewsbury and Wellington respectively. There is very good liaison between the Society and the Council's officers. Other organisations, such as the Whitchurch Round Table and the Upton Magna Women's Social Club, have also made gifts from time to time.

*Hospital Care.*—A total of 361 Shropshire patients are in hospitals for the subnormal in various parts of the country, 248 being accommodated in the Birmingham Regional Hospital Board's establishments. During the year, 24 of these were admitted for care for an indefinite period. In addition, arrangements were made for 23 patients to receive short-term care for periods varying from two to four weeks. A short break is usually of considerable benefit to both the patient and his family, either to tide over some emergency, or to enable the rest of the family to take a holiday together, perhaps for the first time in their lives.

On 31st December, 1961, there were 31 severely subnormal patients awaiting hospital care, most if not all of whom will be admitted eventually to Stallington Hall Hospital.

By a coincidence the number awaiting admission was the same as at the beginning of the year 1961, during which 24 cases were admitted.

The classification of these waiting patients by sex and age is given in the table below:

Table 91: Severely Subnormal Patients awaiting Admission to Hospital

| Sex      | Age Groups |      |       |       |     | Total |
|----------|------------|------|-------|-------|-----|-------|
|          | Under 5    | 5—15 | 16—30 | 31—60 | 60+ |       |
| Males .. | 2          | 4    | 5     | 6     | —   | 17    |
| Females  | 3          | 5    | 4     | 2     | —   | 14    |
| TOTAL    | 5          | 9    | 9     | 8     | —   | 31    |

There were no patients of the subnormal category awaiting admission.

*Liaison with Hospitals for the Subnormal.*—This is rather less easy than with Shelton Hospital owing to the fact that these hospitals are all situated at considerable distances from the County. The position has, however, improved since the Regional Hospital Board defined "areas of responsibility" for their Medical Superintendents, who also act as Consultants in Subnormality.

Dr. T. Crowley, the Medical Superintendent of Stallington Hall, near Stoke-on-Trent, is the Consultant for Shropshire. When it is considered that a patient will require hospital care for an indefinite period arrangements are made for Dr. Crowley to visit the patient's home, accompanied by the Deputy County Medical Officer and the Senior Mental Welfare Officer, the purpose being to agree upon the necessity for such care and to establish the degree of urgency for admission. The need for careful selection is underlined by the fact that, as will be seen from Table 91 above, there were 31 Shropshire cases awaiting hospital care at the end of the year.

Except where there are special circumstances, all subnormal or severely subnormal Shropshire patients requiring hospital care are now admitted as and when vacancies occur to Stallington Hall Hospital instead of being sent as opportunity offers to any hospital for subnormals within the Region.

## NURSING HOMES

*Registration.*—The Public Health Act, 1936, Part VI, requires the registration of all nursing homes, maternity and other, and the County Council, as Registration Authority, have power to grant exemption from registration in certain cases.

The Mental Health Act, 1959, Part III, also applies these provisions, subject to specified modifications, to the registration and inspection of mental nursing homes.

The following are particulars of registered nursing homes at the end of the year. The two mental nursing homes were added to the register and no home closed during the year:

Table 92: Nursing Homes

| Accommodation provided      | Nursing Homes | Beds available |
|-----------------------------|---------------|----------------|
| General Cases only .. ..    | 5             | 56             |
| Maternity Cases only .. ..  | 1             | 5              |
| Maternity and general .. .. | 4             | 31             |
| Mental Cases only .. ..     | 2             | 89             |
| TOTAL ..                    | 12            | 181            |



**Inspection.**—Routine inspection of general and maternity nursing homes is undertaken by the Superintendent Nursing Officer and her Assistants, and an effort is made to visit each home regularly. In addition, Medical Officers of the Department visit the homes periodically, and in every case when application is made to increase the permitted number of beds.

In the case of mental nursing homes, inspection is required, by virtue of the Mental Health (Registration and Inspection of Mental Nursing Homes) Regulations, 1960, to be undertaken at such intervals as the registration authority may decide, but not less frequently than once in each of the six month periods commencing in May and November each year. These inspections are undertaken by the Deputy County Medical Officer and the Senior Mental Welfare Officer.

### REGISTRATION OF DAY NURSERIES AND DAILY MINDERS

Under the provisions of the Nurseries and Child Minders Regulation Act, 1948, which came into force on 30th July of that year, the County Council, as Local Health Authority, are required to register and supervise

- (a) private persons (daily minders) who receive into their homes, for reward, children under the age of 5 years to be looked after for the day, or for a longer period not exceeding six days; and
- (b) premises (day nurseries) in which children below the upper limit of compulsory school age are looked after for the day, or for a longer period not exceeding six days, within the provisos implicit in the next two paragraphs.

Registration is not required in the case of hospitals, homes or institutions maintained by Government Departments and Local Authorities, schools and nursery schools supervised by Local Education Authorities, or premises and child minders supervised under Child Life Protection enactments.

After the expiration of a period of three months following the coming into operation of the Act, it became an offence for a child to be received into an unregistered day nursery, or for more than two children under the age of five years from more than one household to be received by an unregistered child minder who is not a relative.

The Act empowers the County Council to define requirements which must be complied with:

- (a) in the case of day nurseries, the condition of the premises, the number and qualifications of the staff, equipment, feeding arrangements, medical supervision and records; and
- (b) in the case of both nurseries and daily minders, the number of children to be received and the precautions to be taken against the spread of infectious diseases.

During 1961, three premises were registered, providing a total of 46 places for children below the upper limit of compulsory school age.

Inspection of these premises is undertaken by members of the Department's Medical Staff.

### WELFARE OF THE BLIND

Welfare of the Blind is the responsibility of the Welfare Committee of the County Council and the information which follows has been made available for inclusion in this report through the courtesy of the County Welfare Officer, F. G. Fawcett, Esq., T.D.

**Register of Blind Persons.**—On 31st December, 1961, the numbers of persons included in the Shropshire Register of Blind and Partially-Sighted Persons were as follows:

Table 93: Register of Blind and Partially-Sighted Persons

|                      | Males | Females | Children | Total |
|----------------------|-------|---------|----------|-------|
| Blind ..             | 239   | 320     | 17       | 576   |
| Partially-Sighted .. | 28    | 36      | 16       | 80    |
| TOTAL ..             | 267   | 356     | 33       | 656   |

**Additions to the Register.**—During the year, the number of persons examined by Ophthalmologists, at the request of the County Welfare Officer, was 88; of these 72 persons (33 male and 39 female) were certified as blind persons and included in the Register. In addition, 4 persons (4 female) were certified as partially-sighted. Twelve persons were found to be neither blind nor partially-sighted.

Of the 76 cases added to the Register during the year, 63 blind persons (25 males and 38 females) and 3 partially-sighted persons (3 females) were 60 years of age or more.

**Causes of Blindness.**—Perusal of forms B.D.8 completed in respect of the 72 persons certified during the year indicated that in 27.7 per cent of these cases the primary cause of blindness was cataract; 17 of these cases were all aged 70 years or more.

Other major causes of blindness were: macular degeneration 17; glaucoma 12; myopia 6.

The blind persons for whom treatment was recommended numbered 45, medical treatment being suggested in 29 cases, surgical in 13 cases, and optical in 3 cases. Hospital supervision was recommended in 8 cases. No treatment was suggested in 19 cases.



Of the above, 2 persons for whom surgical treatment had been recommended and 2 persons for whom medical treatment had been recommended refused treatment.

It would seem that, although treatment of one form or another or hospital supervision was advised in 53 cases, it was anticipated that this would only result in the removal of 5 persons from the category of blind persons. In addition, it was considered inadvisable, on general grounds, to carry out treatment on 3 persons, which would probably result in their removal from blind category.

The following table relates to the provision of treatment as a result of follow-up action in the case of blind and partially-sighted persons:

Table 94: Follow-up of Registered Blind and Partially-Sighted Persons

|                                                                                                           | CAUSE OF DISABILITY |              |          |              |                         |              |        |              |       |              |
|-----------------------------------------------------------------------------------------------------------|---------------------|--------------|----------|--------------|-------------------------|--------------|--------|--------------|-------|--------------|
|                                                                                                           | Cataract            |              | Glaucoma |              | Retrolental Fibroplasia |              | Others |              | Total |              |
|                                                                                                           | Blind               | Part. Sight. | Blind    | Part. Sight. | Blind                   | Part. Sight. | Blind  | Part. Sight. | Blind | Part. Sight. |
| Cases registered during 1961 in respect of which the relevant paragraphs of Form B.D.8 recommended:       |                     |              |          |              |                         |              |        |              |       |              |
| (a) No treatment .. .. .                                                                                  | 3                   | —            | 1        | —            | —                       | —            | 15     | —            | 19    | —            |
| (b) Treatment (medical, surgical or optical)                                                              | 16                  | —            | 11       | —            | —                       | —            | 18     | 3            | 45    | 3            |
| (c) Hospital supervision .. .                                                                             | 1                   | 1            | —        | —            | —                       | —            | 7      | —            | 8     | 1            |
| Cases at (b) and (c) above which, on follow-up action, have received, or will receive, treatment .. . . . | 13                  | 1            | 8        | —            | —                       | —            | 25     | 3            | 46    | 4            |

## EPILEPSY AND SPASTIC PARALYSIS

Responsibility under Section 29 of the National Assistance Act, 1948, for the Welfare of Handicapped Persons (those substantially and permanently handicapped by illness, injury or congenital deformity) is that of the Welfare Committee.

Such persons include those suffering from Epilepsy and Spastic Paralysis and in respect of these categories of handicapped persons, close liaison between the County Health and Welfare Departments ensures that the names of persons over school-leaving age, who can be described as permanently and substantially handicapped, are placed on a register so that they may receive such assistance as the County Welfare Committee can provide.

On 31st December, 1961, the numbers of persons in this County suffering from epilepsy or spastic paralysis, and known to the County Welfare Department, were as follows:

|                  | Males | Females | Total |
|------------------|-------|---------|-------|
| Epilepsy .. .. . | 15    | 21      | 36    |

(Of these, 13 were accommodated in their own homes; 2 were in hospital; 6 were accommodated on behalf of the Council by voluntary organizations; and 15 were in accommodation provided by this Authority under Part III of the National Assistance Act, 1948).

|                        | Males | Females | Total |
|------------------------|-------|---------|-------|
| Spastic Paralysis .. . | 8     | 18      | 26    |

(Of this total, 21 were accommodated in their own homes; 1 was in hospital; 1 was accommodated in the Royal Midland Counties Home for Incurables, Leamington Spa; 2 were in the Derwen Cripples' Training College, Gobowen; 1 was in the Manchester Cripples' Help Society Home, Tan-y-Bryn, Abergele.

In addition to the above, there were known to the School Health Service the following cases of epilepsy and spastic paralysis amongst children up to 16 years of age:

|                        | Males | Females | Total |
|------------------------|-------|---------|-------|
| Epilepsy .. .. .       | 38    | 51      | 89    |
| Spastic Paralysis .. . | 52    | 48      | 100   |
| TOTAL .. .             | 90    | 99      | 189   |



## INSPECTION AND SUPERVISION OF FOODS

**Qualitative Sampling of Milk and Other Foods.**—Under Section 2 of the Food and Drugs Act, 1955, a person who sells to the prejudice of a purchaser any food or drug which is not of the nature, substance or quality demanded is guilty of an offence; and under Section 91 of the Act, an Authorised Officer of a Food and Drugs Authority may procure samples of foods and drugs for analysis, with a view to ensuring compliance with Section 2.

Except in the Borough of Shrewsbury, which is an independent Food and Drugs Authority, the County Council are the responsible authority within the County.

### **Milk.**—

**Testing of Milk Samples.**—Following approval by the County Council early in 1958 of the policy of testing milk samples within the Health Department, the following procedure with regard to milk sampling is adopted by the Department's Sampling Officers. In the course of routine sampling, two samples of the same grade of milk are obtained from the retailer. One is divided formally into three parts, and sealed and labelled in accordance with the procedure laid down under the Act; the other is treated as an "informal" or "comparative" sample, and is tested in the Health Department Laboratory, for Fat and Solids-not-Fat content. If this latter sample is shown to contain water, other than a trace, by the "Hortvet Freezing Test" method or has more than a minimum deficiency of milk fat, the corresponding formal sample is forwarded to the Public Analyst for analysis, together with any other samples obtained from the same retailer which may be necessary to provide evidence if legal proceedings are instituted.

Individual samples received on complaint from members of the public are also submitted direct to the Analyst where it is not possible to obtain a corresponding sample.

During the year, 1,140 milk samples were tested in the Department's Laboratory; 56 of these were found to be below legal standards and action was taken as follows:

- 30 were slightly deficient in fat and the vendors were notified.
- 1 was slightly deficient in fat and Solids-not-Fat and the vendor was notified.
- 1 contained a small amount of extraneous water and a warning letter was sent to the vendor concerned.
- 21 contained extraneous water, and 10 of these were also deficient in fat. The comparative formal samples were forwarded to the County Analyst and are reported on below.
- 3 were deficient in fat and the comparative formal samples were forwarded to the County Analyst and are reported on below.

### *Analyses by County Analyst:*

95 samples were analysed, of which 31 were reported upon as being adulterated or below standard, and were dealt with as follows:

- 3 were found to contain a small amount of extraneous water and a warning letter was sent to the vendor concerned.
- 2 from the same vendor were found to contain small amounts of extraneous water as well as being deficient in fat and a warning letter was sent to the vendor concerned.
- 1 of Channel Islands Milk was found to be deficient in fat and legal proceedings were instituted against the producer as indicated in the table below.
- 17 were found to contain extraneous water of varying amounts, and 3 of these were also deficient in fat. Legal proceedings were instituted against the two producers concerned as indicated in the table below.
- 1 deficient in fat was found to be genuine on "Appeal-to-Cow" samples being taken.
- 7 Appeal-to-Cow samples relative to the above were deficient in fat when compared with the presumptive minimum prescribed by the Sale of Milk Regulations.

Table 95: Proceedings under the Food and Drugs Act

| Magistrates' Court | Analysis                                    | Result                                            | Fine                                                                        | Costs             |
|--------------------|---------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------|-------------------|
| Ellesmere          | 14.0% added water ..                        | Case proved (Plea of Guilty) ..                   | £ s. d.<br>2 0 0<br>in respect of<br>each of 13<br>charges; total<br>26 0 0 | £ s. d.<br>47 6 0 |
|                    | 0.7% ..                                     |                                                   |                                                                             |                   |
|                    | 11.7% ..                                    |                                                   |                                                                             |                   |
|                    | 5.9% ..                                     |                                                   |                                                                             |                   |
|                    | 16.4% ..                                    |                                                   |                                                                             |                   |
|                    | 8.2% ..                                     |                                                   |                                                                             |                   |
|                    | 2.3% ..                                     |                                                   |                                                                             |                   |
|                    | 8.2% ..                                     |                                                   |                                                                             |                   |
|                    | 20.0% ..                                    |                                                   |                                                                             |                   |
|                    | 10.5% ..                                    |                                                   |                                                                             |                   |
|                    | 13.0% ..                                    |                                                   |                                                                             |                   |
|                    | 4.7% ..                                     |                                                   |                                                                             |                   |
|                    | 8.2% ..                                     |                                                   |                                                                             |                   |
| Oswestry ..        | 20.0% added water ..                        | One charge proved (Plea of Not Guilty). *See note | 30 0 0                                                                      | 9 13 0            |
|                    | 8.2% ..                                     |                                                   |                                                                             |                   |
|                    | 3.5% ..                                     |                                                   |                                                                             |                   |
|                    | 15.3% ..                                    |                                                   |                                                                             |                   |
| Ironbridge ..      | 12.5% fat deficiency (Channel Islands Milk) | Case proved (Plea of Not Guilty)                  | 5 0 0                                                                       | 2 3 0             |

**\*NOTE:**

The four samples were taken from 4 churns of milk, being part of a delivery of 28 churns consigned to a dairy. The defendant successfully contended that there was only one sale in respect of the whole consignment. The Justices accepted this argument and dismissed three of the charges.

*Radioactivity in Milk (Iodine 131).*—During the period 1st November to the 11th December, 1961, eleven composite samples of milk from 115 farms in the area were tested for Iodine 131. The results showed an average of 76 micro-micro curies per litre present. The Agricultural Research Council report that if an average of 130 micro-micro curies is not exceeded over a period of twelve months this figure can be regarded as being within the safety limits.

*Average Composition of Milk.*—The Sale of Milk Regulations, 1939, prescribe a standard for milk of 3 per cent for fat content and 8.5 per cent for Solids-not-Fat content and milk which, on examination, does not come up to this standard is presumed to be "non-genuine" until the contrary is proved. Where the solids-not-fat content is below 8.5 per cent, however, unless the presence of extraneous water is determined by the Hortvet Freezing Point Test, such samples are returned as "genuine" provided, of course, the fat content is satisfactory.

Of the 1,140 milk samples tested during the year, 56 were either adulterated or below the required standard, representing 4.9 per cent of the total.

Table 96 below gives particulars of the average fat and solids-not-fat content of the samples of milk, including adulterated and "appeal-to-cow" samples, and excluding Channel Islands and South Devon milk, which is dealt with separately in Table 97 below, taken during 1961 with comparative totals for the preceding six years:

Table 96: Average Composition of Milk Samples

| Month        | Samples | Average fat percentage | Average solids-not-fat percentage |
|--------------|---------|------------------------|-----------------------------------|
| January ..   | 102     | 3.55                   | 8.52                              |
| February ..  | 91      | 3.56                   | 8.61                              |
| March ..     | 90      | 3.50                   | 8.62                              |
| April ..     | 103     | 3.45                   | 8.60                              |
| May ..       | 89      | 3.34                   | 8.67                              |
| June ..      | 58      | 3.40                   | 8.68                              |
| July ..      | 52      | 3.45                   | 8.35                              |
| August ..    | 53      | 3.55                   | 8.63                              |
| September .. | 97      | 3.63                   | 8.79                              |
| October ..   | 80      | 3.66                   | 8.83                              |
| November ..  | 90      | 3.59                   | 8.59                              |
| December ..  | 65      | 3.45                   | 8.64                              |
| 1961 ..      | 970     | 3.51                   | 8.63                              |
| 1960 ..      | 1,076   | 3.50                   | 8.64                              |
| 1959 ..      | 1,084   | 3.45                   | 8.65                              |
| 1958 ..      | 1,100   | 3.60                   | 8.65                              |
| 1957 ..      | 1,087   | 3.60                   | 8.80                              |
| 1956 ..      | 1,231   | 3.69                   | 8.68                              |
| 1955 ..      | 1,239   | 3.62                   | 8.54                              |

As regards fat, it will be seen that May and June show the lowest figures and September, October and November the highest figures. This is a natural variation, the fat content usually being at its lowest during the Spring and Summer and highest during the Autumn.

The prescribed standard for Channel Islands and South Devon milk is 4 per cent for fat and 8.5 per cent for solids-not-fat. The following table gives particulars of the samples of Channel Islands milk examined during 1961, with comparative totals for the preceding four years:

Table 97: Channel Islands Milk—Average Composition

| Month        | Samples | Average fat percentage | Average solids-not-fat percentage |
|--------------|---------|------------------------|-----------------------------------|
| January ..   | 12      | 4.86                   | 9.00                              |
| February ..  | 15      | 4.60                   | 9.02                              |
| March ..     | 16      | 4.46                   | 9.02                              |
| April ..     | 17      | 4.40                   | 9.10                              |
| May ..       | 16      | 4.50                   | 9.11                              |
| June ..      | 24      | 4.56                   | 9.10                              |
| July ..      | 6       | 4.64                   | 9.11                              |
| August ..    | 7       | 4.51                   | 9.00                              |
| September .. | 11      | 4.90                   | 9.07                              |
| October ..   | 17      | 4.60                   | 9.07                              |
| November ..  | 11      | 4.89                   | 9.05                              |
| December ..  | 18      | 4.76                   | 9.09                              |
| 1961 ..      | 170     | 4.64                   | 9.06                              |
| 1960 ..      | 137     | 4.68                   | 9.08                              |
| 1959 ..      | 132     | 4.65                   | 9.05                              |
| 1958 ..      | 111     | 4.85                   | 9.05                              |
| 1957 ..      | 147     | 4.90                   | 9.15                              |



**Other Foods and Drugs.**—Table 99 on page 66 summarises the 411 samples of other Foods and Drugs which were examined by the Public Analyst and the following particulars indicate the action taken in respect of those samples found on analysis to be non-genuine:

- 1 informal sample of Luncheon Meat was reported as deficient in meat to the extent of 31 per cent. This matter was taken up with the wholesalers who in turn referred it to the importers. The latter stated that this article was old stock, as imports were now described as "Lunch Meat Loaf for Slicing", and also pointed out that there was no statutory order regulating the composition of meat, although they were anxious to get some kind of standard which should apply throughout the United Kingdom. The Public Analyst verified that this was a fact but observed "the wide range of canned meats now on the market make some type of uniformity very desirable in the interests of the public". No further action was taken in the matter.
- 2 informal samples of Pork Sausage were found to contain sulphur dioxide preservative, the presence of which was not declared. Warning letters were sent to the vendors concerned.
- 1 informal sample of Plum Jam was reported as deficient in soluble solids to the extent of 3.1 per cent. This sample was a home-made jam and a warning letter was sent to the vendor, who was also the manufacturer. In addition, one of the Council's domestic science advisors promised to examine a similar sample and give advice on how the legal standard could be achieved.
- 1 informal sample of Ice-Cream was found to be not genuine, being 42% deficient in fat, containing only 2.9 per cent of fat against the minimum of 5 per cent specified by the Food Standards (Ice Cream) Regulations, 1959. In view of this analysis a formal sample was obtained and is referred to below.
- 1 formal sample of Ice-Cream was found to be not genuine, being 40% deficient in fat. Legal proceedings were instituted against the manufacturer and the results are given in the table below.
- 1 informal sample of Halibut Liver Oil Capsules B.P. was found to be deficient in Vitamin A and not conforming to B.P. requirements. The manufacturer was informed and he replied that the particular sample must have been held by the shopkeeper for some time, in fact prior to May, 1960. The B.P. labelling requirement to the effect that "Each capsule contains 4,500 units of Vitamin A Activity" was operative from March, 1961. The manufacturer was advised that retailers should be given a reasonable period of time to withdraw such commodities from sale. Warning was also given that efforts should be made to withdraw all similar stocks of this particular product and that although no further action was intended in this case, a serious view was taken of any commodity being offered for sale which did not conform with the statutory regulations and required standards.
- 1 informal sample of Coffee and Chicory Product was found to contain an excess of moisture which rendered it unusable. The product appeared to have absorbed moisture through a faulty tin. An inspection was made and an assurance given that the remainder of the stock from which the sample was taken had now been cleared.
- 1 formal sample of Bread (part loaf) was found to contain a mouse and legal proceedings were instituted against the baker concerned, the result of which is given in the table below.
- 1 informal sample of Beef Sausage was stated to contain preservative but in fact did not. The vendor was notified that he must ensure that when sausages containing preservatives are sold, a notice to that effect must be displayed, but when the sausages do not contain preservative such notice should not be used.
- 1 informal sample of Dried Milk was found to contain free fatty acid in the fat. The suppliers were contacted and agreed to withdraw and replace the remainder of the original delivery.

Table 98: Court Proceedings

| Magistrates' Court | Analysis                                        | Result                              | Fine              | Costs            |
|--------------------|-------------------------------------------------|-------------------------------------|-------------------|------------------|
| Wellington .. ..   | Ice Cream deficient in fat to the extent of 40% | Case proved<br>(Plea of Guilty)     | £ s. d.<br>10 0 0 | £ s. d.<br>4 6 0 |
| Cleobury Mortimer  | Sample of bread containing a mouse              | Case proved<br>(Plea of Not Guilty) | 10 0 0            | 2 10 0           |

Table 99: Food and Drug Samples taken in 1961 and Analysed by the County Analyst

| Samples                                                 | Total | Formal  |                               | Informal |                               |
|---------------------------------------------------------|-------|---------|-------------------------------|----------|-------------------------------|
|                                                         |       | Genuine | Adulterated or below standard | Genuine  | Adulterated or below standard |
| Milk .. .. .                                            | 95    | 53      | 31                            | 11       | —                             |
| Baking Powder .. .. .                                   | 2     | —       | —                             | 2        | —                             |
| Beverages .. .. .                                       | 1     | —       | —                             | 1        | —                             |
| Blancmanges, Cornflour and Custard Powders .. .. .      | 4     | —       | —                             | 4        | —                             |
| Bread .. .. .                                           | 1     | —       | 1                             | —        | —                             |
| Butter .. .. .                                          | 9     | 1       | —                             | 8        | —                             |
| Cake, Pudding and Sponge Mixtures .. .. .               | 5     | —       | —                             | 5        | —                             |
| Cakes, Puddings and Confectionery .. .. .               | 5     | —       | —                             | 5        | —                             |
| Cereals .. .. .                                         | 3     | —       | —                             | 3        | —                             |
| Cheese and Cheese Products .. .. .                      | 8     | —       | —                             | 8        | —                             |
| Chewing Gum .. .. .                                     | 4     | —       | —                             | 4        | —                             |
| Coffee and Coffee Products .. .. .                      | 7     | —       | —                             | 6        | 1                             |
| Flavoured, Condensed, Evaporated and Dried Milk .. .. . | 9     | —       | —                             | 8        | 1                             |
| Condiments .. .. .                                      | 17    | —       | —                             | 17       | —                             |
| Cream .. .. .                                           | 7     | —       | —                             | 7        | —                             |
| Fats .. .. .                                            | 9     | —       | —                             | 9        | —                             |
| Fish and Fish Products .. .. .                          | 16    | —       | —                             | 16       | —                             |
| Flavourings and Colourings .. .. .                      | 8     | —       | —                             | 8        | —                             |
| Flour .. .. .                                           | 6     | —       | —                             | 6        | —                             |
| Fruit, Dried .. .. .                                    | 6     | —       | —                             | 6        | —                             |
| Fruit Juices .. .. .                                    | 11    | —       | —                             | 11       | —                             |
| Fruit, Tinned and Fresh .. .. .                         | 11    | —       | —                             | 11       | —                             |
| Gelatine .. .. .                                        | 3     | —       | —                             | 3        | —                             |
| Gravy Browning and Salt .. .. .                         | 7     | —       | —                             | 7        | —                             |
| Herbs, Spices and Stuffing .. .. .                      | 12    | —       | —                             | 12       | —                             |
| Honey .. .. .                                           | 2     | —       | —                             | 2        | —                             |
| Ice Cream .. .. .                                       | 12    | —       | 1                             | 10       | 1                             |
| Jam, Marmalade, etc. .. .. .                            | 19    | —       | —                             | 18       | 1                             |
| Jelly and Jelly Crystals .. .. .                        | 3     | —       | —                             | 3        | —                             |
| Lemonade Crystals .. .. .                               | 1     | —       | —                             | 1        | —                             |
| Margarine .. .. .                                       | 6     | —       | —                             | 6        | —                             |
| Marzipan and Almond Paste .. .. .                       | 4     | —       | —                             | 4        | —                             |
| Meat and Meat Products .. .. .                          | 26    | —       | —                             | 25       | 1                             |
| Medicines and Drugs .. .. .                             | 56    | —       | —                             | 55       | 1                             |
| Nuts .. .. .                                            | 4     | —       | —                             | 4        | —                             |
| Olive Oil .. .. .                                       | 1     | —       | —                             | 1        | —                             |
| Patent Foods .. .. .                                    | 4     | —       | —                             | 4        | —                             |
| Pickles .. .. .                                         | 3     | —       | —                             | 3        | —                             |
| Rice and Rice Products .. .. .                          | 5     | —       | —                             | 5        | —                             |
| Sago, Tapioca, etc. .. .. .                             | 3     | —       | —                             | 3        | —                             |
| Sauces .. .. .                                          | 12    | 1       | —                             | 11       | —                             |
| Sausage .. .. .                                         | 6     | —       | —                             | 3        | 3                             |
| Soft Drinks .. .. .                                     | 17    | —       | —                             | 17       | —                             |
| Soups .. .. .                                           | 4     | —       | —                             | 4        | —                             |
| Spreads .. .. .                                         | 1     | —       | —                             | 1        | —                             |
| Sugar, Glucose, etc. .. .. .                            | 6     | —       | —                             | 6        | —                             |
| Sweets .. .. .                                          | 7     | —       | —                             | 7        | —                             |
| Syrup and Treacle .. .. .                               | 5     | —       | —                             | 3        | —                             |
| Tea .. .. .                                             | 3     | —       | —                             | 3        | —                             |
| Vegetables .. .. .                                      | 7     | —       | —                             | 7        | —                             |
| Wines, Spirits, Beer, etc. .. .. .                      | 25    | 13      | —                             | 12       | —                             |
| Yeast .. .. .                                           | 1     | —       | —                             | 1        | —                             |
| TOTAL ..                                                | 506   | 68      | 33                            | 396      | 9                             |

**Tuberculous Milk.**—The County Council are responsible for the enforcement of Section 31 of the Food and Drugs Act, 1955, which prohibits the sale for human consumption of milk known to have been obtained from cows suffering from tuberculosis. The herds from which positive samples are obtained are examined by the Veterinary Staff of the Ministry of Agriculture, Fisheries and Food, and the diseased animals are dealt with under the Tuberculosis Order. The District Medical Officers of Health concerned are also informed of all positive samples to enable action to be taken under the Milk and Dairies Regulations and conditions placed on the sale of such milk for human consumption.

**Notifications from other Authorities.**—When notification is received from the Medical Officer of Health of a neighbouring County that, as a result of biological sampling, living tubercle bacilli have been found in milk produced in this County, the herd involved is similarly investigated.

No such notifications were received in 1961.

**Sampling of other Supplies.**—Since 1st January, 1961, when the last part of the County became a Specified Area, and in view of the fact that all dairy cattle in the County are now Attested, the pattern of biological sampling has changed, for we appreciate that biological testing does not need to be so comprehensive. Now we are only testing quarterly, as "samples" and as an extra safeguard, milk supplies to schools (2 herds), to Welfare Homes (one herd) and milk produced at a hospital dairy farm. In addition, biological sampling of raw milk sold by retail is carried out for the presence of tubercle bacilli and *Brucella abortus*. There are 137 attested herds producing milk for retail sale which is consumed without heat treatment.



Table 100: Sampling of Other Supplies

| Source                   | Herds investigated | Samples for Tubercle bacilli |          | Samples for Brucella abortus |          |                |
|--------------------------|--------------------|------------------------------|----------|------------------------------|----------|----------------|
|                          |                    | Negative                     | Positive | Negative                     | Positive | Herds involved |
| T.T. Retail .. .. .      | 45                 | 45                           | —        | 61                           | 23       | 2              |
| Undesignated consents .. | 2                  | 2                            | —        | 20                           | 10       | 1              |
| County Welfare Homes ..  | 1                  | 1                            | —        | 1                            | —        | —              |
| School supplies .. .. .  | 2                  | 2                            | —        | 2                            | —        | —              |
| Hospital Dairy Farms ..  | 1                  | 3                            | —        | 3                            | —        | —              |
| TOTAL ..                 | 51                 | 53                           | —        | 87                           | 33       | 3              |

Investigation was completed during the year in the case of one herd giving positive *Brucella abortus* results, the persistent excretors being sold as barren cattle.

**Milk in Schools Scheme.**—Approval of milk supplied to schools is normally restricted to that designated either as "Pasteurised" or "Tuberculin Tested" and whenever "Pasteurised" milk is available this is supplied. Of the maintained, grant-aided and independent schools in the County receiving liquid milk, 357 had pasteurised and 2 had non-pasteurised but Tuberculin Tested milk.

A census taken by the County Education Department in September, 1961, showed that 74 per cent of the pupils in attendance at these schools received liquid milk under the Milk in Schools Scheme.

**Examination of School Milk Supplies.**—Samples of all school milk supplies are examined at least once a quarter. All samples are put to a Methylene Blue Colour test to determine the keeping quality of the milk and, in the case of "Pasteurised" milk, also to a Phosphatase test to determine whether the milk has been properly heat treated. The following table summarises the results of the examination of samples taken during 1961:

Table 101: Examination of School Milk Supplies

| Grade                | Samples taken | Methylene Blue Test |                |       | Phosphatase Test |                |
|----------------------|---------------|---------------------|----------------|-------|------------------|----------------|
|                      |               | Satisfactory        | Unsatisfactory | Void* | Satisfactory     | Unsatisfactory |
| Pasteurised .. .. .  | 225           | 210                 | 10             | 5     | 224              | 1              |
| Tuberculin Tested .. | 9             | 9                   | —              | —     | —                | —              |
| TOTAL ..             | 234           | 219                 | 10             | 5     | 224              | 1              |

\*These samples were declared "void" because the atmospheric shade temperature at which they were stored in the Laboratory before testing exceeded 65°F.

The phosphatase test failure referred to in the table above was investigated by the Assistant County Sanitary Officer.

**Milk (Special Designation) Regulations, 1960.**—The County Council, as Food and Drugs Authority for the County (other than the Borough of Shrewsbury), are responsible for the licensing of premises used for the pasteurisation and sterilisation of milk.

From 1st January, 1961, responsibility for the issue of Milk Dealers' licences, with minor exceptions such as licences issued to the Milk Marketing Board, was transferred from District Councils to the County Council as Food and Drugs Authority. Licences issued are valid for 5 years and cover milk bottled on the dealers' premises as well as "pre-packed" milk which is obtained by the licensed dealer in the container in which it is delivered to the consumer, and are issued for vending machines as well as premises.

**Dealers' Licences.**—Licences issued by the County Council in 1961, included 232 Dealers' (Pre-packed) licences (which cover "Tuberculin Tested", "Pasteurised" and "Sterilised" milks) and 34 Dealers' (Tuberculin Tested) licences.

**Sterilised Milk.**—No licences for the sterilisation of milk have yet been issued in respect of premises in this County.

**Pasteurised Milk.**—On 1st January, 1961, licences in respect of five pasteurising establishments were renewed by the County Council, and subject to the conditions prescribed by the above-mentioned Regulations will, unless suspended or revoked, remain operative until 31st December, 1965.

All such establishments are inspected regularly by the County Sanitary Officers, and the equipment and methods of production checked.

Samples of milk are also obtained and submitted for the statutory phosphatase test, which determines whether heat treatment has been properly carried out, or whether, after such treatment, the milk has been "contaminated" by the addition of raw milk.

Tests are made to determine the sterility of bottles and churns used at the various pasteurising plants. Of 58 tests made during the year, 50 were satisfactory.

Milk samples obtained during 1961 from pasteurising establishments licensed by the County Council numbered 232, and of these 231 passed the phosphatase test, the remaining one being followed up.



**Attested Area.**—The whole of the County became an Attested Area on 1st October, 1959. This means that all the cattle in both dairy and beef herds are "Attested" animals, i.e. those which have been examined by a Veterinary Officer and found clinically free from Tuberculosis and also have not reacted to the single intradermal comparative Tuberculin Test. All Attested animals in the County are at present subjected to examination and test at least once every twelve months. Positive reactors found in any herd are sent for slaughter and the remaining animals are further tested after two months, six months and again after twelve months, and if no further positive reactors are found routine testing is resumed. If further reactors are found, the procedure is repeated.

A farmer holding a licence to produce Tuberculin Tested milk must have only Attested animals in his herd and must also satisfy the Ministry of Agriculture, Fisheries and Food that his premises, water supply and handling and production methods meet the requirements governing the issue of such licences.

**The Milk (Special Designations) (Specified Areas) Orders, 1956—60.**—When a "Specified Area" is declared by the Ministry (and this now applies to the whole of Shropshire) only "designated milk" (i.e. Pasteurised, Sterilised or Tuberculin Tested milk) may be sold by retail for human consumption (other than catering sales) in the districts in that area. Where, however, any part of a district cannot be supplied with milk from a designated source, the Ministry may grant a "consent" to a farmer to supply customers with non-designated milk; the customers are named on the consent form and permission to supply is for a limited period, usually one year. (See also Table 100).

Milk from an Attested herd which is not licensed for the production of Tuberculin Tested milk cannot be sold by retail in a Specified Area, unless it is either pasteurised or sterilised, or a consent has been granted by the Minister.

Cream is exempt from these requirements and may be sold within a Specified Area either as Pasteurised or Sterilised Cream, or without heat treatment even if it is produced by attested cattle not forming part of a T.T. herd.

Samples are obtained regularly from the various retailers who trade in the districts affected by the Orders and particulars of those taken by Sampling Officers of the County Health Department during 1961 are given in the table following:

Table 102: Sampling in Specified Areas

| Grade                                  | Phosphatase Test |        |        | Methylene Blue Test |        |        |       | Turbidity Test |        |        |
|----------------------------------------|------------------|--------|--------|---------------------|--------|--------|-------|----------------|--------|--------|
|                                        | Samples tested   | Passed | Failed | Samples tested      | Passed | Failed | Void* | Samples tested | Passed | Failed |
| Pasteurised .. ..                      | 362              | 362    | —      | 362                 | 332    | 15     | 15    | —              | —      | —      |
| T.T. (Pasteurised) ..                  | 466              | 465    | 1      | 466                 | 418    | 28     | 20    | —              | —      | —      |
| T.T. (Channel Islands Pasteurised) ..  | 168              | 167    | 1      | 168                 | 154    | 8      | 6     | —              | —      | —      |
| T.T. (Channel Islands Farm Bottled) .. | —                | —      | —      | 59                  | 52     | 2      | 5     | —              | —      | —      |
| T.T. (Channel Islands) ..              | —                | —      | —      | 31                  | 26     | 4      | 1     | —              | —      | —      |
| T.T. (Farm Bottled) ..                 | —                | —      | —      | 90                  | 80     | 8      | 2     | —              | —      | —      |
| T.T. .. ..                             | —                | —      | —      | 79                  | 71     | 5      | 3     | —              | —      | —      |
| Sterilised .. ..                       | —                | —      | —      | —                   | —      | —      | —     | 307            | 307    | —      |
| TOTAL ..                               | 996              | 994    | 2      | 1,255               | 1,133  | 70     | 52    | 307            | 307    | —      |

\*This test is declared void when the atmospheric shade temperature at which the sample is stored in the Laboratory before testing exceeds 65°F.

In the case of those retailers whose milk failed the prescribed test the facts were reported to the appropriate licensing authority.

## SANITARY CIRCUMSTANCES OF THE COUNTY

The Medical Officer of Health of a County is required to inform himself as far as practicable respecting all matters affecting or likely to affect the public health in the County, and be prepared to advise the County Council on any such matter; for this purpose he shall visit the several county districts as occasion may require, giving to the Medical Officer of Health of each county district prior notice of his visit so far as this may be practicable.

He shall in each year make an Annual Report to the County Council on the sanitary circumstances and sanitary administration of the County.

The Public Health and Housing Committee of the County Council in December, 1943, decided that fuller information regarding the sanitary circumstances in the various county districts, and in the county as a whole, should be made available to them; the Health Committee of the County Council reiterated on two recent occasions in 1962 their wish that this should continue.

**Housing.**—The information supplied by District Medical Officers of Health relating to housing is summarised in Table X on page 94.



Commenting on omissions in this and other Tables which follow, one Medical Officer has commented: "It is a very common thing to put an asterisk in a place where information should be . . . . The truth of the matter is that it is a question of staff. In order to obtain the information a much larger staff would need to be deployed on the gathering of the information than the various departments have to spare. The information required to be accurately given would mean a succession of mass surveys and the expenditure of a great deal of time and money; the break-down information is all but unknown".

Another wrote: "We just don't have the required details about all the property in the area. Now that we have an additional Inspector a survey has been started. Eventually it is hoped to cover the whole of the district in this way but this will clearly take some considerable time".

The Ministry of Housing and Local Government have issued, while this report is being printed, to Housing Authorities, their Circular 42/62 on Improvement of Houses. This circular says that the Minister wants to see—and is sure that most local authorities want to see—a very big increase in the number of houses being improved. He believes that this can be achieved if authorities will make a determined and sustained effort to bring it about.

But the Minister is convinced that for a real impact local authorities must be prepared to make a systematic approach to the problem. This means tackling it street by street or area by area; and it entails—especially at the outset—a great deal of work. But once the idea of improvement takes hold it will spread. Two or three authorities have already started on area improvements in this way—with encouraging results.

The Minister asks every Local Authority with houses worth improving to think how they can get better progress; and to let him know by the end of the year what action they propose to take.

This is the same line of thought set out in these pages in the Report for the year 1960—that routine housing inspections and the facts of an up-to-date housing survey are necessary preliminaries to a planned programme and housing policy. It is indeed a formidable task, but a necessary one.

The County Sanitary Officer in commenting on Table X has noted that the number of houses demolished included in clearance areas is shown as 214 and other individually unfit houses demolished are shown as 189, giving a total of 403 or 0.43% of an estimated total of 92,442 occupied houses in the county. This means that approximately one in every 229 houses has been demolished during the year. In addition 205 houses have been closed. Of the total number of houses demolished in clearance areas and as being individually unfit during the year, there were 175 from 5 of the 6 Boroughs, 128 from 7 of the 9 Urban Districts and a total of 100 from all 10 of the Rural Districts.

The figure of 205 for houses closed in the County compared with 169 for the year ending 1960 is very high, especially in relation to the number of houses demolished. Whilst it is appreciated that closure must be adopted under certain circumstances, local authorities must be aware of the adverse effect that these closed properties have on adjoining properties.

It is better, as the Minister has said in the circular quoted above, to try to deal with an area or group of houses systematically and as part of a programmed plan, than to leave individual unfit houses closed over long periods, when they have a very deleterious effect on neighbouring properties.

The total of 350 houses which have been improved with standard or improvement grants is encouraging. If authorities themselves programme and plan their housing needs as the Minister has emphasized, they can deal sympathetically and promptly with all legitimate requests from owners for improvement grants; they can require that houses which can be rendered fit at a reasonable cost be brought up to a proper standard (encouraging the owners with improvement grants if appropriate); and they can require the demolition of properties which are unfit, and cannot be made fit, for human habitation.

One Rural authority has appointed an additional temporary Public Health Inspector, who is fully engaged on the inspection of houses in the Rural district; substantial progress is being made in the standard of housing in this district.

That the figures available list 8,599 houses (or nearly 1 in every 10) in the County as being unfit for human habitation is not good. Perhaps 50% of these could be rendered fit, but 50% are in such condition that the only satisfactory way of dealing with them is by demolition and rehousing the occupants.

It is still true that thousands of families in the County have only pail, chemical or earth or privy closets and have to bury the contents in their gardens. Many still live in thoroughly insanitary conditions; and it is hoped that Housing Authorities will pursue these matters and make the determined and sustained effort asked for by the Minister.

**Housing Acts, 1936 to 1959.—Contributions paid to District Councils.**—Under the provisions of these Acts, the County Council are required to make annual contributions to District Councils in respect of houses provided as accommodation for members of the agricultural population and also in respect of other houses provided by a District Council where the rents are substantially lower than the average and the provision of such accommodation is likely to place an undue financial burden upon the District. The contributions vary from £1 per annum for each house for 40 years to £2 10s. 0d. per annum for each house for 60 years and the following are the particulars of County Council contributions made up to the end of 1961:



Table 103: Grants paid by the County Council up to 31st December, 1961, under the Housing Act, 1936—59

| District               | Houses eligible for grants | Grants       |               |
|------------------------|----------------------------|--------------|---------------|
|                        |                            | Paid in 1961 | Total         |
|                        |                            | £            | £             |
| Atcham Rural .. ..     | 163                        | 242          | 3,273         |
| Bridgnorth Rural .. .. | 78                         | 134          | 1,627         |
| Clun Rural .. ..       | 107                        | 161          | 2,332         |
| Dawley Urban .. ..     | 465                        | 1,025        | 8,190         |
| Drayton Rural .. ..    | 83                         | 215          | 1,654         |
| Ellesmere Rural .. ..  | 135                        | 189          | 2,863         |
| Ludlow Rural .. ..     | 44                         | 78           | 924           |
| Oswestry Rural .. ..   | 52                         | 73           | 1,158         |
| Shifnal Rural .. ..    | 20                         | 30           | 408           |
| Wellington Rural .. .. | 82                         | 112          | 1,857         |
| Wem Rural .. ..        | 48                         | 83           | 881           |
| Wenlock Borough .. ..  | 16                         | 27           | 332           |
| <b>TOTAL ..</b>        | <b>1,293</b>               | <b>2,384</b> | <b>25,499</b> |

**Water Supply.**—Table 104 below summarizes the information supplied by the District Medical Officers of Health relative to water supplies in their area.

Table 104: Water Supplies—Summary of Answers to Questionnaires

| Medical Officer<br>and District | Houses in<br>District | WATER SUPPLIES |                        |               |                        | Other Supplies<br>(Wells, Streams,<br>Pumps, etc.) |
|---------------------------------|-----------------------|----------------|------------------------|---------------|------------------------|----------------------------------------------------|
|                                 |                       | Public Mains   |                        | Private Mains |                        |                                                    |
|                                 |                       | Piped          | Stand Pipe<br>Supplies | Piped         | Stand Pipe<br>Supplies |                                                    |
| <b>Dr. Higgin</b>               |                       |                |                        |               |                        |                                                    |
| Ellesmere Urban .. ..           | 757                   | 757            | —                      | —             | —                      | —                                                  |
| Ellesmere Rural .. ..           | 2,121                 | 677            | 121                    | †             | †                      | †                                                  |
| Wem Urban .. ..                 | 883                   | 855            | 18                     | —             | —                      | 10                                                 |
| Wem Rural .. ..                 | 3,293                 | 501            | 39                     | 618           | 89                     | 2,046                                              |
| Whitchurch Urban .. ..          | 2,344                 | 2,215*         | †                      | —             | —                      | †                                                  |
| <b>Dr. Moore</b>                |                       |                |                        |               |                        |                                                    |
| Oswestry Borough .. ..          | 3,875                 | 3,856          | 2                      | —             | 13                     | 4                                                  |
| Oswestry Rural .. ..            | 5,260                 | 3,821          | 25                     | †             | †                      | 872                                                |
| <b>Dr. Capper</b>               |                       |                |                        |               |                        |                                                    |
| Ludlow Borough .. ..            | 2,256                 | 2,097          | 158                    | —             | —                      | 1                                                  |
| <b>Dr. Hall</b>                 |                       |                |                        |               |                        |                                                    |
| Atcham Rural .. ..              | 6,997                 | 3,292          | 419                    | †             | †                      | †                                                  |
| Bishop's Castle Borough .. ..   | 432                   | 420            | —                      | 9             | —                      | 3                                                  |
| Church Stretton Urban .. ..     | 968                   | 919            | 1                      | 1             | —                      | 48                                                 |
| Clun Rural .. ..                | 3,098                 | 1,342          | 12                     | 323           |                        | 1,421                                              |
| Ludlow Rural .. ..              | 4,382                 | 1,890          | 533                    | 200*          |                        | 1,759*                                             |
| <b>Dr. Turnbull</b>             |                       |                |                        |               |                        |                                                    |
| Bridgnorth Borough .. ..        | 2,637                 | 2,619          | 15                     | 3             | —                      | —                                                  |
| Bridgnorth Rural .. ..          | 4,282                 | 2,084          | 6                      | †             | †                      | †                                                  |
| Wenlock Borough .. ..           | 4,736                 | †              | †                      | †             | †                      | †                                                  |
| <b>Dr. Stewart</b>              |                       |                |                        |               |                        |                                                    |
| Dawley Urban .. ..              | 3,094                 | 2,722          | 361                    | —             | —                      | 11                                                 |
| Drayton Rural .. ..             | 2,513                 | 1,321          | 113                    | —             | 244                    | 835                                                |
| Market Drayton Urban .. ..      | 2,013                 | —              | —                      | 1,971         | 33                     | 9                                                  |
| Newport Urban .. ..             | 1,451                 | 1,410          | 40                     | —             | —                      | 1                                                  |
| Oakengates Urban .. ..          | 4,216                 | 4,194          | 22                     | —             | —                      | —                                                  |
| Shifnal Rural .. ..             | 3,593                 | 2,892          | 9                      | 268           | —                      | 424                                                |
| Wellington Urban .. ..          | 4,333                 | 4,297          | 36                     | —             | —                      | —                                                  |
| Wellington Rural .. ..          | 7,535                 | 6,177          | 120                    | 184           | —                      | †                                                  |
| <b>Dr. Mackenzie</b>            |                       |                |                        |               |                        |                                                    |
| Shrewsbury Borough .. ..        | 15,373                | 15,337         | 10                     | —             | —                      | 26                                                 |

\*Approximate or estimated figures.

†Figures not available or not known.



Details have been better supplied for the year 1961; it seems that a housing authority should know them. Much progress is, however, being made throughout the County in the provision of water supplies, especially in the rural areas where the need is greatest. With the work at present in progress and the water supply schemes which have been submitted by local authorities for approval, water supplies throughout the County should be greatly improved in the foreseeable future.

Where public water supplies have been made available and the owners of properties are not connecting them to the mains, then authorities might well insist, where distances are reasonable, that they provide a sufficient and satisfactory pure and wholesome water supply in accordance with regulations.

"Standpipe" figures are still high, and supplies should be taken to properties unless the latter are scheduled for action under the Housing Acts as being unfit for human habitation.

**Sewage Disposal.**—Particulars of the Sewage Disposal facilities available in the various sanitary districts are summarized in Table 105 below.

Table 105: Sewerage—Summary of Answers to Questionnaires

| Medical Officer<br>and District | Houses<br>in<br>District | SEWAGE DISPOSAL                                                     |                                                                               |                                                    |                                                        |                                        |        | Collection of night soil<br>by local authority |   |
|---------------------------------|--------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|----------------------------------------|--------|------------------------------------------------|---|
|                                 |                          | Connected to<br>disposal<br>works<br>owned<br>by local<br>authority | Connected to<br>satisfactory<br>private<br>disposal or<br>treatment<br>plants | Without<br>satisfactory<br>means<br>of<br>sewerage | Houses using chemical,<br>pail, earth or privy closets |                                        |        |                                                |   |
|                                 |                          |                                                                     |                                                                               |                                                    | With<br>proper means<br>of disposal                    | Without<br>proper means<br>of disposal | Houses | Frequency                                      |   |
| <b>Dr. Higgle</b>               |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Ellesmere Urban ..              | 757                      | 707                                                                 | 50                                                                            | —                                                  | —                                                      | —                                      | —      | —                                              | — |
| Ellesmere Rural ..              | 2,121                    | 265                                                                 | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Wem Urban ..                    | 883                      | 847                                                                 | 30                                                                            | 6                                                  | 15                                                     | —                                      | 4      | Weekly                                         | — |
| Wem Rural ..                    | 3,293                    | 453                                                                 | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Whitchurch Urban ..             | 2,344                    | †                                                                   | †                                                                             | †                                                  | †                                                      | —                                      | —      | —                                              | — |
| <b>Dr. Moore</b>                |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Oswestry Borough ..             | 3,875                    | 3,820                                                               | 44                                                                            | 11                                                 | —                                                      | —                                      | —      | —                                              | — |
| Oswestry Rural ..               | 5,260                    | 2,284                                                               | 1,687                                                                         | 1,289                                              | †                                                      | †                                      | —      | —                                              | — |
| <b>Dr. Capper</b>               |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Ludlow Borough ..               | 2,256                    | 2,198                                                               | 35                                                                            | 23                                                 | 23                                                     | —                                      | —      | —                                              | — |
| <b>Dr. Hall</b>                 |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Atcham Rural ..                 | 6,997                    | 2,190                                                               | 2,307                                                                         | 2,500                                              | 2,250*                                                 | —                                      | —      | —                                              | — |
| Bishop's Castle Borough         | 432                      | 386                                                                 | 40                                                                            | 6                                                  | 24                                                     | —                                      | —      | —                                              | — |
| Church Stretton Urban           | 968                      | 744                                                                 | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Clun Rural ..                   | 3,098                    | †                                                                   | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Ludlow Rural ..                 | 4,382                    | 726                                                                 | 670*                                                                          | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| <b>Dr. Turnbull</b>             |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Bridgnorth Borough ..           | 2,637                    | 2,565                                                               | 61                                                                            | 11                                                 | —                                                      | 11                                     | —      | —                                              | — |
| Bridgnorth Rural ..             | 4,282                    | 1,071                                                               | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Wenlock Borough ..              | 4,736                    | †                                                                   | †                                                                             | †                                                  | †                                                      | †                                      | †      | Weekly                                         | — |
| <b>Dr. Stewart</b>              |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Dawley Urban ..                 | 3,094                    | 2,317                                                               | 252                                                                           | 525                                                | 353                                                    | 172                                    | 353    | Weekly                                         | — |
| Drayton Rural ..                | 2,513                    | 552                                                                 | 950                                                                           | 1,011                                              | 1,011                                                  | —                                      | —      | —                                              | — |
| Market Drayton Urban            | 2,013                    | 1,925                                                               | 54                                                                            | 34                                                 | 34                                                     | —                                      | —      | —                                              | — |
| Newport Urban ..                | 1,451                    | 1,440                                                               | 3                                                                             | 8                                                  | —                                                      | 8                                      | —      | —                                              | — |
| Oakengates Urban ..             | 4,216                    | 3,991                                                               | 8                                                                             | 217                                                | 217                                                    | —                                      | 217    | Weekly                                         | — |
| Shifnal Rural ..                | 3,593                    | 2,338                                                               | †                                                                             | †                                                  | †                                                      | †                                      | —      | —                                              | — |
| Wellington Urban ..             | 4,333                    | 4,322                                                               | 7                                                                             | 4                                                  | 4                                                      | —                                      | 4      | Weekly                                         | — |
| Wellington Rural ..             | 7,535                    | 5,392                                                               | †                                                                             | †                                                  | †                                                      | †                                      | 132    | Fortnightly                                    | — |
| <b>Dr. Mackenzie</b>            |                          |                                                                     |                                                                               |                                                    |                                                        |                                        |        |                                                |   |
| Shrewsbury Borough ..           | 15,373                   | 15,039                                                              | 235                                                                           | 99                                                 | 99                                                     | —                                      | —      | —                                              | — |

\*Approximate or estimated figures. †Figures not available or not known.

Knowledge of what obtains in their area seems desirable as a preliminary to seeking improvements and the "not known" figures suggest something wrong. There must clearly be great need for sewerage and sewage disposal schemes in the rural districts of the County; reference to schemes submitted by local authorities and approved in principle by the County Council (page 80) is relevant provided real efforts to pursue the matter are continuing. While financial considerations often present difficulties, it is essential that sewerage and sewage disposal facilities are provided for villages as water supplies become available. The returns show that about one-third of the houses in the County are without satisfactory means of sewerage or sewage disposal and are using chemical, pail, earth or privy closets, the majority of these properties being in rural districts.



**Refuse Collection and Disposal.**—Table 106 below summarizes the position with regard to refuse collection and disposal during 1961.

**Table 106: Refuse Collection and Disposal**

| District           | Parishes or wards where refuse is |               | Frequency of Collection      | Method of Collection | Method of Disposal |
|--------------------|-----------------------------------|---------------|------------------------------|----------------------|--------------------|
|                    | Collected                         | Not Collected |                              |                      |                    |
| Atcham R.          | All                               | —             | Fortnightly                  | Council              | Controlled         |
| Bishop's Castle B. | All                               | —             | Weekly and fortnightly       | Council              | Crude—into quarry  |
| Bridgnorth B.      | All                               | —             | Weekly                       | Council              | Controlled         |
| Bridgnorth R.      | All                               | —             | Weekly and fortnightly       | Council              | Semi-controlled    |
| Church Stretton U. | All                               | —             | Weekly                       | Council              | Semi-controlled    |
| Clun R.            | All                               | —             | Weekly, fortnightly, monthly | Council              | Semi-controlled    |
| Dawley U.          | All                               | —             | Weekly                       | Council              | Controlled         |
| Drayton R.         | All                               | —             | 18—20 days                   | Council              | Controlled         |
| Ellesmere U.       | All                               | —             | Fortnightly                  | Contract             | Semi-controlled    |
| Ellesmere R.       | All                               | —             | Fortnightly                  | Council              | Semi-controlled    |
| Ludlow B.          | All                               | —             | Weekly and twice weekly      | Council              | Controlled         |
| Ludlow R.          | All                               | —             | Weekly and fortnightly       | Council              | Semi-controlled    |
| Market Drayton U.  | All                               | —             | Weekly                       | Council              | Controlled         |
| Newport U.         | All                               | —             | Weekly                       | Council              | Semi-controlled    |
| Oakengates U.      | All                               | —             | Weekly                       | Council              | Controlled         |
| Oswestry B.        | All                               | —             | Weekly                       | Council              | Controlled         |
| Oswestry R.        | 12                                | 1             | Weekly and fortnightly       | Council              | Controlled         |
| Shifnal R.         | All                               | —             | 8—10 days                    | Council              | Controlled         |
| Shrewsbury B.      | All                               | —             | Weekly                       | Council              | Controlled         |
| Wellington U.      | All                               | —             | Weekly                       | Council              | Controlled         |
| Wellington R.      | All                               | —             | Weekly and fortnightly       | Council              | Controlled         |
| Wem U.             | All                               | —             | Weekly                       | Council              | Uncontrolled       |
| Wem R.             | All                               | —             | Fortnightly                  | Contract             | Uncontrolled       |
| Wenlock B.         | All                               | —             | Weekly and fortnightly       | Council              | Controlled         |
| Whitchurch U.      | All                               | —             | Weekly                       | Council              | Controlled         |

Many authorities have improved refuse collection facilities over the last few years. Proper refuse storage bins should be provided by householders and owners of properties; dangers to health result when household refuse is left exposed to flies and other vermin. Properly controlled tipping methods in accordance with the principles laid down, and which include the depositing of refuse in layers, each covered with at least nine inches of earth or other suitable substance within 24 hours from the time of deposit, should be the rule.

## WATER SUPPLIES

**Local Government Act, 1958.**—Table 108 on page 74 gives particulars of the grants which have been *paid or promised* by the County Council under Section 56 of the Local Government Act, 1958.

It will be noted that, up to the end of 1961, the actual or estimated cost of these schemes amounted to £146,014, and that the grants promised by the County Council amounted to a possible total of £48,123.

In July, 1953, the County Council adopted a report which recommended that only in very exceptional circumstances would there be need for County Council aid towards the cost of urban water supply schemes.

The following table gives particulars of the only urban water supply scheme submitted for grant purposes by District Councils up to the end of 1961, and which the County Council had approved in principle for grant purposes, subject to the submission of final details.

| District      | Description of Scheme                                                  | Estimated Cost |
|---------------|------------------------------------------------------------------------|----------------|
| Newport Urban | For the augmentation of existing water supply and reservoir facilities | £29,400        |

**Rural Water Supplies and Sewerage Acts, 1944 to 1955.**—Under these Acts, a sum of £75,000,000 has been placed at the disposal of the Minister of Housing and Local Government to assist Local Authorities in the provision or improvement of water supplies and sewage disposal facilities in rural areas.

Where the Minister undertakes to make contributions under these Acts towards the cost of schemes of Local Authorities, the County Council, by Section 2 of the Act of 1944, are also required to contribute.

Particulars of grants in respect of water supply schemes, which were *paid or promised* by the County Council under these Acts up to the end of 1961 are given in the table on page 75.

Note: Particulars of water supply schemes in respect of which applications for grants were received from District Councils up to the end of 1961, and which the County Council have approved in principle for grant purposes, subject to the submission of final details, are given in the tables on pages 76 to 78.



# SEWERAGE AND SEWAGE DISPOSAL

**Local Government Act, 1958.**—Under Section 56 of the Local Government Act, 1958, the County Council may make contributions towards urban sewerage and sewage disposal schemes. The Council adopted a report, however, in July, 1959, which recommended that in consequence of the introduction by the Government of the rate deficiency grant, no contribution be made to Borough or Urban District Councils in respect of such schemes, except those towards which the County Council were already contributing or schemes submitted for approval before 1st April, 1959, providing they are commenced before 31st March, 1962.

Particulars of grants which have already been *paid or promised* by the County Council to District Councils are given in the table on page 79.

**Rural Water Supplies and Sewerage Acts, 1944 to 1955.**—By the end of 1961, grants under these Acts had been *paid or promised* by the County Council in respect of nineteen sewage disposal schemes, particulars of which are contained in the following table:

Table 107: Rural Water Supplies and Sewerage Acts, 1944—1955

Sewerage Schemes—Grants paid or promised by the County Council

| Rural District | Scheme                                | Approved | Estimated Capital Cost | Exchequer Contribution |                     |                | County Council Grant |                |               |                         |
|----------------|---------------------------------------|----------|------------------------|------------------------|---------------------|----------------|----------------------|----------------|---------------|-------------------------|
|                |                                       |          |                        | Lump Sum               | Half-yearly Payment | Period (years) | Annual Maximum       | Period (years) | Total Maximum | Paid to 31st Dec., 1961 |
| Atcham         | Bayston Hill I & II                   | May, 56  | £ 17,781               | £ 3,000                | —                   | —              | £ 437                | 30             | £ 11,158      | £ 2,790                 |
|                | Bayston Hill III                      | Nov. 61  | 44,905                 | —                      | 325                 | 30             | 650                  | 30             | 19,500        | —                       |
|                | Cross Houses                          | Nov. 50  | 17,590                 | 8,750                  | —                   | —              | 393                  | 30             | 11,790        | 4,100                   |
|                | Pontesbury                            | Nov. 61  | 26,867                 | —                      | 190                 | 30             | 380                  | 30             | 11,400        | —                       |
| Bridgnorth     | Claverley                             | Nov. 56  | 42,300                 | —                      | 480                 | 30             | 1,238                | 30             | 30,294        | 4,011                   |
|                | Eardington                            | Sept. 58 | 12,900                 | —                      | 165                 | 30             | 416                  | 30             | 10,158        | —                       |
|                | Highley Stage I                       | Nov. 56  | 34,200                 | —                      | 383                 | 30             | 986                  | 30             | 24,162        | 4,352                   |
|                | Worfield                              | Sept. 60 | 3,830                  | 1,000                  | —                   | —              | 1,000                | Lump sum 30    | 1,000         | —                       |
| Drayton        | Hodnet                                | Nov. 49  | 14,220                 | 2,400                  | —                   | —              | 122                  | 30             | 3,660         | 1,341                   |
| Ludlow         | Ashford Carbonel                      | Sept. 57 | 20,650                 | —                      | 175                 | 30             | 462                  | 30             | 10,246        | 1,866                   |
|                | Clee Hill                             | Sept. 58 | 28,000                 | —                      | 480                 | 30             | 1,013                | 30             | 24,639        | 1,854                   |
|                | Clee Hill (Extension)                 | Nov. 59  | 5,000                  | 1,000                  | —                   | —              | 70                   | 30             | 2,100         | —                       |
|                | Clee Hill (Craven Arms Inn Extension) | Nov. 61  | 1,520                  | 250                    | —                   | —              | 250                  | —              | 250           | —                       |
|                | Cleobury Mortimer                     | Dec. 49  | 32,000                 | 14,000                 | —                   | —              | Lump sum 288         | 30             | 8,640         | 2,772                   |
| Oswestry       | Morda                                 | Nov. 54  | 16,763                 | 3,500                  | —                   | —              | 200                  | 30             | 6,080         | 1,080                   |
|                | Pant and Llanymynech                  | Sept. 60 | 73,395                 | —                      | 475                 | 30             | 950                  | 30             | 28,500        | —                       |
|                | Weston Rhyn and Chirk (Revised)       | Sept. 59 | 67,130                 | —                      | 880                 | 30             | 880                  | 30             | 26,400        | —                       |
| Wellington     | Edgmond                               | April 52 | 62,700                 | —                      | 684                 | 30             | 1,170                | 30             | 34,539        | 5,289                   |
|                | High Ercall                           | Nov. 54  | 10,623                 | 6,500                  | —                   | —              | 285                  | 30             | 8,335         | 1,780                   |
|                |                                       |          | £532,374               |                        |                     |                | £11,208              |                | £272,851      | £31,235                 |

Particulars of sewage disposal schemes submitted by District Councils for grant purposes under these Acts up to the end of 1961, and which the County Council have approved in principle, subject to the submission of final details, are given in the table on pages 80—81, from which it will be observed that the capital cost of these schemes amounted to a total of £1,093,889.

Table 108: Local Government Act, 1958  
Water Supply Schemes—Grants paid or promised by the County Council

| District         | Scheme               | Approved by C.C. | Scope of Scheme |             | Estimated Cost    | Ministry Grant | Loan                          |                | Annual Charges |              | County Council Grant |                   |                    |
|------------------|----------------------|------------------|-----------------|-------------|-------------------|----------------|-------------------------------|----------------|----------------|--------------|----------------------|-------------------|--------------------|
|                  |                      |                  | Houses          | Inhabitants |                   |                | Authorised                    | Period (Years) | Loan           | Maintenance  | Basis                | Maximum           | Paid to 31 Dec. 61 |
| Atcham Rural     | Pimhill              | 4/5/35           | 288             | 1,152       | £ 16,300          | £ 2,500        | £ 14,820<br>{ 1,480<br>57,297 | 30<br>15<br>30 | £ 858<br>4,285 | £ 698<br>700 | 50% annual deficit   | £ 6,675<br>24,000 | £ 4,803<br>16,850  |
|                  | West Atcham          | 2/5/36           | 1,876           | 7,596       | 75,100            | 15,000         | 57,297                        | 30             | 4,285          | 700          | "                    | 24,000            | 16,850             |
| Bridgnorth Rural | Stottesdon           | 6/11/37          | 28              | 100         | 2,660             | 250            | 3,100                         | 30             | 153            | 50           | Block Grant          | 250               | 250                |
|                  | Kinlet               | 6/11/37          | 27              | "           | 1,350             | 150            | "                             | 30             | 48             | 30           | "                    | 150               | 150                |
| Clun Rural       | Bucknell             | 27/7/35          | 72              | "           | 2,915             | 200            | "                             | 25             | 169            | 20           | 50% annual deficit   | 885               | 99                 |
|                  | Worthen and Brockton | 1/5/37           | 88              | 350         | 4,500             | 400            | 5,100                         | 30             | 225            | "            | "                    | 1,245             | 761                |
| Drayton Rural    | Kempton              | 1/2/36           | 31              | 110         | 2,200             | 250            | 1,650                         | 30             | "              | "            | Block Grant          | 300               | 300                |
|                  | Woore                | 3/11/34          | 137             | 524         | 4,080             | "              | { 3,655<br>425                | 30<br>25       | 189            | 378          | 50% annual deficit   | 885               | 465                |
| Ludlow Rural     | Hodnet               | 4/5/35           | 118             | 400         | 3,887             | 450            | "                             | "              | "              | "            | Block Grant          | 900               | 900                |
|                  | Ightfield            | 7/11/36          | 119             | 468         | (Actual)<br>6,550 | 75             | 6,475                         | 30             | "              | "            | 50% annual deficit   | 3,179             | 1,015              |
| Oswestry Rural   | Norton-in-Hales      | 24/7/37          | 67              | 200         | 1,970             | "              | 1,505                         | 30             | 106            | 127          | "                    | 1,656             | 541                |
|                  | Clee Hill            | 6/11/37          | 511             | 1,930       | 5,516             | "              | 5,516                         | 30             | 317            | 108          | 33% annual deficit   | 1,837             | 1,409              |
|                  | Weston Rhyn          | 2/2/35           | "               | "           | 900               | 150            | 750                           | 30             | 58             | "            | Block Grant          | 150               | 150                |
|                  | Llanymynech          | 2/11/35          | 93              | 372         | 8,500             | 1,850          | "                             | "              | "              | "            | "                    | 1,850             | 1,850              |
|                  | Nantmawr             | 7/11/36          | 27              | 108         | 1,268             | "              | 1,160                         | 30             | 68             | 5            | 50% annual deficit   | 639               | 314                |
|                  | Gronwen              | 7/11/36          | 10              | 40          | 437               | "              | 373                           | 30             | 23             | 2            | "                    | 225               | 51                 |
|                  | Llynclys             | 7/11/36          | 24              | 96          | 783               | "              | 746                           | 30             | 14             | 5            | "                    | 415               | 153                |
|                  | Selatyn (Extension)  | 7/11/36          | 1,186           | 4,744       | 1,748             | "              | 1,748                         | 30             | 92             | 277          | "                    | 2,032             | 1,287              |
| Wellington Rural | Edgmond              | 2/11/35          | 200             | 800         | 5,350             | 850            | "                             | "              | "              | "            | Block Grant          | 850               | 850                |
|                  |                      |                  |                 |             | £146,014          |                |                               |                |                |              |                      |                   |                    |
|                  |                      |                  |                 |             |                   |                |                               |                |                |              | £48,123              |                   |                    |
|                  |                      |                  |                 |             |                   |                |                               |                |                |              | £32,198              |                   |                    |



Table 109: Rural Water Supplies and Sewerage Acts, 1944 to 1955  
Water Supply Schemes—Grants paid or promised by the County Council

| Authority                   | Scheme                                  | Approved  | Estimated Capital Cost | Exchequer Grant |                      |                | County Council Grant |                        |               | Paid to 31st Dec., 1961 |
|-----------------------------|-----------------------------------------|-----------|------------------------|-----------------|----------------------|----------------|----------------------|------------------------|---------------|-------------------------|
|                             |                                         |           |                        | Lump Sum        | Half-Yearly Payments | Period (Years) | Annual Maximum       | Period Payable (Years) | Total Maximum |                         |
| Atcham Rural                | Alberbury Borehole                      | July, 61  | £ 17,435               | £ 2,000         | —                    | —              | £ 148                | 30                     | £ 4,440       | £ —                     |
|                             | Condover                                | Sept., 60 | 122,903                | —               | 785                  | 30             | 1,570                | 30                     | 47,100        | —                       |
|                             | Cound Moor—Extension                    | Nov., 61  | 5,051                  | 1,532           | —                    | —              | 77                   | 30                     | 2,310         | —                       |
|                             | Eaton Constantine—Extension             | Nov., 61  | 12,278                 | —               | 137                  | 30             | 220                  | 30                     | 6,600         | —                       |
|                             | Picklescott                             | April, 61 | 12,067                 | 2,000           | —                    | —              | 148                  | 30                     | 4,440         | —                       |
|                             | Pontesford Hill                         | April, 61 | 8,565                  | 1,500           | —                    | —              | 111                  | 30                     | 3,330         | —                       |
|                             | West Atcham and Pimhill (Extension)     | May, 47   | 138,402                | 58,000          | —                    | —              | 2,868                | 30                     | 77,157        | 29,716                  |
| Bridgnorth Rural            | West Atcham (Extension)                 | Nov., 56  | 22,500                 | —               | 200                  | 30             | 552                  | 30                     | 12,856        | 2,250                   |
|                             | Uckington                               | Nov., 59  | 75,300                 | —               | 500                  | 30             | 1,000                | 30                     | 30,000        | —                       |
|                             | Broughton                               | May, 53   | 1,844                  | 600             | —                    | —              | 79                   | 12                     | 963           | 658                     |
|                             | Claverley                               | May, 47   | 14,040                 | 1,500           | —                    | —              | 187                  | 12                     | 2,250         | 2,250                   |
|                             | Low Level Areas                         | Mar., 54  | 353,000                | 70,000          | 2,014                | 30             | 9,881                | 30                     | 261,927       | 51,113                  |
|                             | Low Level Areas (Branch Mains)          | Nov., 59  | 41,600                 | —               | 340                  | 30             | 680                  | 30                     | 20,400        | —                       |
|                             | Long Common                             | Mar., 54  | 1,850                  | 300             | —                    | —              | 27                   | 12                     | 406           | 147                     |
| Church Stretton Urban       | Worfield                                | May, 53   | 13,650                 | 2,500           | —                    | —              | 389                  | 12                     | 4,947         | 3,889                   |
|                             | Church Stretton and All Stretton Wards  | July, 61  | 23,200                 | —               | 90*                  | 30             | 180                  | 30                     | 5,400         | —                       |
| Clun Rural                  | Clungunford and Aston-on-Clun           | July, 47  | 21,168                 | 4,000           | —                    | —              | 205                  | 30                     | 6,150         | 2,460                   |
|                             | Snailbeach                              | Feb., 59  | 29,600                 | —               | 170                  | 30             | 340                  | 30                     | 10,200        | —                       |
| Drayton Rural               | Hodnet, Ightfield and Moreton Say       | Nov., 54  | 38,320                 | 4,750           | 137                  | 30             | 658                  | 30                     | 16,880        | 3,374                   |
|                             | Marchamley and Wollerton Wood           | July, 61  | 10,287                 | 4,200†          | —                    | —              | 100                  | —                      | —             | —                       |
| East Shropshire Water Board | Wollerton and Lostford Extensions       | July, 61  | 8,328                  | 1,350           | —                    | —              | 46                   | 30                     | 1,380         | —                       |
|                             | Aston                                   | Mar., 52  | 3,700                  | 800             | —                    | —              | 84                   | 30                     | 2,520         | —                       |
|                             | Kinnerley                               | Sept., 52 | 3,621                  | 2,000           | —                    | —              | 88                   | 30                     | 2,640         | —                       |
|                             | Longdon-on-Tern                         | Dec., 56  | 7,170                  | 1,250           | —                    | —              | 193                  | 30                     | 5,790         | —                       |
|                             | Tibberton                               | Nov., 54  | 12,530                 | —               | 144                  | 30             | —                    | —                      | —             | —                       |
|                             | Clee Hill (Hill Top)                    | Dec., 50  | 2,270                  | 1,200           | —                    | —              | 61                   | 20                     | 1,071         | 437                     |
|                             | Coreley                                 | Sept., 50 | 4,260                  | 650             | —                    | —              | 14                   | 10                     | 140           | —                       |
| Ludlow Rural                | Craven Arms                             | Sept., 50 | 6,480                  | 600             | —                    | —              | 65                   | 30                     | 1,368         | 608                     |
|                             | Little Isle and Studley                 | Sept., 50 | 2,641                  | 550             | —                    | —              | 86                   | 30                     | 1,811         | 799                     |
|                             | Little Stretton and Marshbrook          | Mar., 51  | 4,780                  | 1,900           | —                    | —              | 44                   | 30                     | 972           | 404                     |
|                             | Rushbury                                | April, 55 | 14,238                 | —               | —                    | —              | 137                  | 30                     | 3,489         | 797                     |
|                             | South-East Parishes                     | Nov., 59  | 134,868                | —               | 130                  | 30             | 352                  | 30                     | 8,178         | 1,982                   |
|                             | Ticklerton                              | Nov., 59  | 16,360                 | 700             | —                    | —              | 1,760                | 30                     | 52,800        | 1,200                   |
|                             | Western Area, Munslow Section           | April, 55 | 4,209                  | —               | —                    | —              | 67                   | 30                     | 1,361         | 427                     |
|                             | Western Area, Munslow Section           | Sept., 59 | 16,360                 | —               | 100                  | 30             | 200                  | 30                     | 6,000         | 600                     |
|                             | Western Area—Stage I                    | Nov., 61  | 290,100                | —               | 1,850                | 30             | 3,700                | 30                     | 111,000       | —                       |
|                             | Branch Mains                            | April, 61 | 12,800                 | 2,000           | —                    | —              | 148                  | 30                     | 4,440         | —                       |
| Oswestry Rural              | Comprehensive Scheme (Priority Portion) | Nov., 54  | 133,248                | 36,000          | —                    | —              | 2,232                | 30                     | 68,295        | 14,727                  |
|                             | Llanyblodwel and Crickheath             | Sept., 59 | 23,800                 | —               | 116                  | 30             | 340                  | 30                     | 10,200        | —                       |
|                             | Mardy Reservoir                         | Nov., 60  | 32,350                 | —               | 230                  | 30             | 460                  | 30                     | 13,800        | —                       |
|                             | Ruyton-xi-Towns                         | Sept., 59 | 127,460                | —               | 485                  | 30             | 970                  | 30                     | 29,100        | —                       |
|                             | South-East Area—Stage II                | Nov., 61  | 172,700                | —               | 750                  | 30             | 1,500                | 30                     | 45,000        | —                       |
|                             | Hadnall                                 | Nov., 61  | 10,500                 | —               | 118                  | 30             | 236                  | 30                     | 7,080         | —                       |
|                             |                                         |           | £1,991,473             |                 |                      |                |                      |                        | £899,191      | £117,838                |

\*The Ministry grant is in respect of the All Stretton Ward only. †Ministry of Agriculture, Fisheries and Food grant.

Table 110: Rural Water Supplies and Sewerage Acts, 1944 to 1955

Water Supply Schemes submitted up to the end of 1961, and approved in principle for grant purposes

| Authority     | Scheme                                                                                                                                                         | Estimated Cost | Description of Scheme                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Atcham R.     | East Atcham                                                                                                                                                    | £<br>177,000   | For the extension of water mains from Pimhill to Astley and Uffington and a portion of Hadnall Parish in Wem Rural District linking up with Uckington. |
|               | East Atcham Water Scheme—Extensions                                                                                                                            | 11,000         | For extensions from Stapleton to Dorrington and Ryton.                                                                                                 |
|               | East Atcham Water Scheme—Venus Bank extension                                                                                                                  | 900            | For the extension of the existing main from Coundarbour to Venus Bank.                                                                                 |
|               | Sheinton                                                                                                                                                       | 6,000          | For the extension of existing main from Cressage to village of Sheinton.                                                                               |
|               | West Atcham                                                                                                                                                    | 4,664          | For the improvement of existing supplies to Drury Lane and Plox Green.                                                                                 |
|               | The following scheme will eventually form part of a comprehensive scheme known as the East and South-East Atcham Scheme which is estimated to cost £151,000.   |                |                                                                                                                                                        |
|               | Buildwas                                                                                                                                                       | 2,740          | For the extension of the Harrington Water mains from Buildwas Power Station to Buildwas.                                                               |
| Bridgnorth R. | Farmcote and Gatacre Extensions                                                                                                                                | 15,000         | For extending a piped water supply to Farmcote and Gatacre.                                                                                            |
|               | High Level Areas                                                                                                                                               | 323,000        | For supplying the High Level Areas of the Bridgnorth and Ludlow Rural Districts.                                                                       |
|               | Low Level                                                                                                                                                      | 5,300          | For the provision of a piped water supply to Dye Lane and Low Lane areas of Alveley Parish.                                                            |
|               | Astley Abbots                                                                                                                                                  | 7,600          | For the extension of existing water supplies to the village of Astley Abbots.                                                                          |
| Clun R.       | Aston Rogers                                                                                                                                                   | 4,000          | For the extension of existing water supplies from Aston Piggott to Aston Rogers.                                                                       |
|               | Newcastle, Whitcott Keysett and Mardu                                                                                                                          | 32,625         | For providing a piped water supply to the villages of Newcastle, Whitcott Keysett and Mardu.                                                           |
|               | South-East Area and Beambridge                                                                                                                                 | 51,300         | For the provision of an improved water supply to Hopton Castle, Hopton Heath, Twitchen, Clunbury, Little Brampton and Purslow.                         |
|               | The following schemes will eventually form part of a comprehensive scheme known as the Clun Rural District Scheme, which is estimated to cost £162,000.        |                |                                                                                                                                                        |
|               | Chirbury, Marton and Bentlont                                                                                                                                  | 41,250         | For the provision of a piped water supply for the parishes of Chirbury, Worthen, Shelve and Churchstoke.                                               |
| Drayton R.    | Lydham, More and Norbury                                                                                                                                       | 23,500         | For the provision of piped supplies to the villages of Lydham, More and Norbury from local sources.                                                    |
|               | The following schemes will eventually form part of the comprehensive scheme for the whole of the Drayton Rural District originally estimated to cost £185,000. |                |                                                                                                                                                        |
|               | Adderley and Moreton Say                                                                                                                                       | 37,070         | For the provision of a piped water supply in the parish of Adderley and part of the parish of Moreton Say.                                             |
|               | South-Eastern Parishes                                                                                                                                         | 136,100        | For the provision of piped water supplies to the South-Eastern parishes of the Rural District.                                                         |
|               | Stoke Park and Langley Dale                                                                                                                                    | 2,840          | For the extension of an existing main to Stoke Park and Langley Dale.                                                                                  |
|               | Carried forward                                                                                                                                                | £881,889       |                                                                                                                                                        |

(Continued on page 77)



| Authority                      | Scheme                                                | Estimated Cost | Description of Scheme                                                                                                 |
|--------------------------------|-------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Drayton R.<br>(continued)      | Brought forward ..                                    | £ 881,889      |                                                                                                                       |
|                                | Wistanswick .. .. .                                   | 13,000         | For the provision of a piped water supply for the village of Wistanswick and a few properties in neighbouring parish. |
| East Shropshire<br>Water Board | Allscott and Walcot .. .. .                           | 13,500         | For providing a piped water supply to the villages of Allscott and Walcot.                                            |
|                                | Arleston .. .. .                                      | 1,130          | For the extension to Arleston House of an existing water supply at Arleston Hill.                                     |
|                                | Cherrington .. .. .                                   | 1,880          | For providing a piped water supply to two farms and farmhouses and ten houses in the parish of Cherrington.           |
|                                | Chetwynd .. .. .                                      | 15,620         | For the extension of piped water supplies for the parish of Chetwynd.                                                 |
|                                | Chetwynd Parish .. .. .                               | 5,190          | For providing a piped water supply for the hamlets of Pickstock, Puleston, Lane End and Ovens Bottom.                 |
|                                | Crudgington and Waters Upton ..                       | 20,500         | For the provision of a piped water supply to Crudgington, Crudgington Green and Stych Lane.                           |
|                                | Crudgington and Waters Upton—<br>Shray Hill extension | 3,400          | For providing a piped water supply to the Shray Hill area by an extension from Crudgington and Waters Upton main.     |
|                                | Donnington .. .. .                                    | 3,500          | To increase the pressure in the mains on the Donnington Housing Estate.                                               |
|                                | Farley .. .. .                                        | 1,700          | For providing a piped water supply to the hamlet of Farley.                                                           |
|                                | Gorse Bank .. .. .                                    | 6,125          | For the extension of an existing water supply at Sheriffhales to the hamlets of Gorse Bank and Cross Roads.           |
|                                | High Ercall .. .. .                                   | 4,533          | For providing a piped water supply in the village of High Ercall.                                                     |
|                                | Homer and Wig-Wig .. .. .                             | 4,500          | For the extension of the existing water mains in Much Wenlock to the hamlets of Homer and Wig-Wig.                    |
|                                | Horton, Preston and Eyton ..                          | 8,650          | For extending existing water mains to the villages of Horton, Preston and Eyton.                                      |
|                                | Hortonwood .. .. .                                    | 2,590          | For the extension of a proposed water main in Horton through Hortonwood to Trench Railway Crossing.                   |
|                                | Little Wenlock .. .. .                                | 10,965         | For the improvement and extension of a piped water supply in the village of Little Wenlock.                           |
|                                | Long Lane and Bratton .. .. .                         | 6,820          | For the extension of the Wellington Urban District's mains to the hamlets of Long Lane and Bratton.                   |
|                                | Much Wenlock .. .. .                                  | 3,680          | For augmenting the existing water supply at Much Wenlock.                                                             |
|                                | Madeley (Beech Road) .. .. .                          | 1,990          | For the extension of an existing piped water supply at Madeley to the Beech Road housing sites.                       |
|                                | Oakengates .. .. .                                    | 35,325         | For the improvement of the existing water supply in the Urban District.                                               |
|                                | Pitchcroft .. .. .                                    | 850            | For the provision of a piped water supply to the hamlet of Pitchcroft.                                                |
|                                | Rodington .. .. .                                     | 12,060         | For the extension of the existing mains in High Ercall to Rodington.                                                  |
|                                | Sheriffhales .. .. .                                  | 20,000         | For an additional borehole at Sheriffhales and a connection with the Oakengates supply system.                        |
|                                | Carried forward                                       | 1,079,397      |                                                                                                                       |

(Continued on page 78)

(Continuation of Table on page 77)

| Authority                                  | Scheme                                                                                                                                                                       | Estimated Cost | Description of Scheme                                                                                                                                                                                               |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                            | Brought forward .. .. .                                                                                                                                                      | £<br>1,079,397 |                                                                                                                                                                                                                     |
| East Shropshire Water Board<br>(continued) | Sutton Maddock .. .. .                                                                                                                                                       | 1,810          | For the extension to Sutton Maddock of an existing supply at Lay's Corner.                                                                                                                                          |
|                                            | Tong Havannah .. .. .                                                                                                                                                        | 4,025          | For extending the Shifnal water mains to Tong Havannah.                                                                                                                                                             |
|                                            | Wellington Rural Parish and Dawley                                                                                                                                           | (i)13,750      | For connecting the Shifnal Rural District's water mains to augment the supply to the Wellington Rural Parish and Dawley.                                                                                            |
|                                            |                                                                                                                                                                              | (ii)13,030     | For improving the existing supply in the Lawley Cross Roads and Overdale Estate areas of the Wellington Rural Parish and the Dawley Bank, Heath Hill, Station Road and Horsehay areas of the Dawley Urban District. |
|                                            | Woodfield .. .. .                                                                                                                                                            | 16,800         | For the provision of a new rising main between Woodfield pumping station and Admaston.                                                                                                                              |
| Ellesmere R. ..                            | Ellesmere Rural District .. ..                                                                                                                                               | 357,600        | For the provision of piped water supplies throughout the whole of the Rural District.                                                                                                                               |
|                                            | Myddle .. .. .                                                                                                                                                               | 60,820         | For providing a piped water supply to the parish of Myddle.                                                                                                                                                         |
|                                            | Welshampton .. .. .                                                                                                                                                          | 23,250         | For providing a piped water supply to the Welshampton area.                                                                                                                                                         |
| Ludlow R. ..                               | Cleobury Mortimer .. .. .                                                                                                                                                    | 855            | For the extension of water mains at Catherton Road and Pinkham.                                                                                                                                                     |
|                                            | Hopton Wafers .. .. .                                                                                                                                                        | 3,670          | For supplying the village of Hopton Wafers with piped water from the Elan Aqueduct.                                                                                                                                 |
|                                            | Silvington and other parishes (distribution mains)                                                                                                                           | 57,750         | For tapping the trunk mains which will run through the Parishes of Silvington, Loughton, Wheathill and Hopton Wafers upon construction of the Bridgnorth and Ludlow Joint High Level Scheme.                        |
|                                            | Western Area .. .. .                                                                                                                                                         | 476,000        | For the provision of a piped water supply to a substantial part of the Ludlow Rural District.                                                                                                                       |
|                                            | Western Area (Soudley Section) .. ..                                                                                                                                         | 65,500         | For the provision of a piped water supply to the parishes of Acton Scott, Eaton-under-Heywood, Hope Bowdler, Little Stretton, Rushbury and Wistanstow (part).                                                       |
| Oswestry R. ..                             | The following schemes will form part of the remaining portion of a comprehensive scheme for the whole of the Oswestry Rural District, originally estimated to cost £510,000. |                |                                                                                                                                                                                                                     |
|                                            | South-Western Area .. .. .                                                                                                                                                   | 196,000        | For providing a piped water supply to the south-western area of the district.                                                                                                                                       |
|                                            | Trefonen .. .. .                                                                                                                                                             | 3,080          | For providing the village of Trefonen with a piped water supply.                                                                                                                                                    |
|                                            | Mains extensions .. .. .                                                                                                                                                     | 5,870          | For providing a piped water supply to various properties in parishes of Oswestry Rural District.                                                                                                                    |
| Wem R. ..                                  | Wem Rural District .. .. .                                                                                                                                                   | 294,000        | For the provision of piped water supplies throughout the whole of the Rural District.                                                                                                                               |
|                                            | Burton .. .. .                                                                                                                                                               | 6,300          | For providing a piped water supply to the village of Burton.                                                                                                                                                        |
|                                            | Shawbury extension .. .. .                                                                                                                                                   | 11,000         | For extending the water supply scheme in Shawbury village to Edgebolton and Moreton Mill.                                                                                                                           |
| Whitchurch U. ..                           | Whitchurch Urban District .. ..                                                                                                                                              | 66,350         | For the provision of a new source of supply to replace the existing one in the Urban District.                                                                                                                      |
|                                            | TOTAL                                                                                                                                                                        | £2,756,857     |                                                                                                                                                                                                                     |



Table 111: Local Government Act, 1958  
Sewerage Schemes—Grants paid or promised by the County Council

| District           | Scheme                                | Approved<br>by C.C. | Estimated<br>Cost | County Council Grant                            |                    |         |
|--------------------|---------------------------------------|---------------------|-------------------|-------------------------------------------------|--------------------|---------|
|                    |                                       |                     |                   | Basis                                           | Amount<br>promised | Paid    |
| Bishop's Castle B. | Bishop's Castle ..                    | Nov., 56            | £ 14,650          | 10 % of cost                                    | £ 1,465            | £ 1,000 |
| Bridgnorth M.B. .. | Bridgnorth .. ..                      | July, 48            | 90,000            | 20 % of<br>original cost<br>of £62,000          | 12,400             | 12,200  |
| Dawley U. .. ..    | Dawley .. ..                          | Nov., 49            | 76,650            | 30 % of cost of<br>Phase I:<br>20 % of Phase II | 25,905             | 25,688  |
| Ludlow M.B. ..     | Ludlow .. ..                          | Dec., 57            | 157,496           | 9 % of cost                                     | 14,175             | —       |
| Newport U. ..      | Newport .. ..                         | Mar., 57            | 120,000           | 6 % of cost                                     | 7,200              | 3,000   |
| Oakengates U. ..   | Oakengates .. ..                      | Mar., 57            | 91,000            | 11 % of cost                                    | 10,010             | 7,000   |
| Shifnal R. .. ..   | Albrighton .. ..                      | Nov., 44            | 13,077            | 25 % of cost                                    | 3,269              | 3,269   |
| Shrewsbury M.B. .. | Bicton Heath .. ..                    | Nov., 54            | 6,800             | 7 % of net cost<br>of £5,800                    | 406                | 406     |
|                    | Harlescott .. ..                      | Feb., 53            | 2,985             | —                                               | 1,000              | 1,000   |
|                    | Shrewsbury .. ..                      | Dec., 57            | 500,345           | 5 % of cost                                     | 25,000             | —       |
| Wellington U. ..   | Wellington .. ..<br>(Stages 1 & 2)    | Nov., 54            | 91,400            | 7 % of cost                                     | 6,400              | 11,602  |
|                    | Wellington (Stage 3)                  | April, 55           | 81,002            | 7 % of cost                                     | 5,670              |         |
|                    | Brooklands Estate ..<br>(Trunk Sewer) | Nov., 58            | 8,700             | 8 % of cost                                     | 696                |         |
|                    | Railway Station and<br>Herbert Avenue | Sept., 59           | 14,000            | 8 % of cost                                     | 1,120              |         |
| Wellington R. ..   | Ketley and Lawley ..                  | May, 36             | 31,975            | 25 % of cost                                    | 8,000              | 8,000   |
|                    | Donnington and<br>Muxton              | Feb., 39            | 18,460            | 20 % of cost                                    | 3,692              | 3,692   |
|                    | Donnington and<br>Muxton (extension)  | Oct., 39            | *9,000            | 20 % of cost                                    | 1,400              | 1,400   |
|                    | Ditto .. ..                           | May, 43             | 16,850            | 20 % of cost                                    | 3,370              | 3,370   |
| Wem U. .. ..       | Wem (1st portion) ..                  | April, 55           | 26,800            | 10 % of net cost<br>of £23,500                  | 2,350              | 1,819   |
|                    | (2nd & 3rd portions)                  | Dec., 56            | 68,900            | 11 % of cost                                    | 6,480              | 5,500   |
| Wenlock B. ..      | Broseley .. ..                        | Feb., 39            | 8,800             | 15 % of cost                                    | 1,320              | 1,320   |
|                    | Madeley (Hill Top) ..                 | Nov., 54            | 3,330             | 15 % of cost                                    | 500                | 433     |
| Whitchurch U. ..   | Whitchurch .. ..                      | Sept., 57           | 102,506           | 3 % of cost                                     | 3,075              | —       |
|                    |                                       |                     | £1,554,826        |                                                 | £144,903           | £91,681 |

\*An amount of £2,000 was contributed by the War Department towards the cost of this scheme, thus reducing the capital cost to £7,000.

Table 112: Rural Water Supplies and Sewerage Act, 1944 to 1955

Sewerage Schemes submitted by District Councils up to the end of 1961, and approved in principle for grant purposes

| District      | Scheme                           | Estimated Cost | Description of Scheme                                                                                                                            |
|---------------|----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Atcham R.     | Bomere Heath (Revised)           | £ 29,500       | For the provision of sewerage and sewage disposal facilities for the village of Bomere Heath.                                                    |
|               | Minsterley .. ..                 | 37,934         | For the provision of sewerage and sewage disposal facilities for the village of Minsterley.                                                      |
| Bridgnorth R. | Alveley (Revised) ..             | 36,100         | For the provision of sewerage and sewage disposal facilities for the village of Alveley.                                                         |
|               | Ackleton and Stableford          | 48,550         | For the provision of sewerage and sewage disposal facilities for the villages of Ackleton and Stableford.                                        |
|               | Chorley .. ..                    | 16,000         | For the provision of sewerage and sewage disposal facilities for the village area at Chorley.                                                    |
|               | Hilton .. ..                     | 29,200         | For the provision of sewerage and sewage disposal facilities for the village of Hilton.                                                          |
|               | Morville .. ..                   | 26,250         | For the provision of sewerage and sewage disposal facilities for the village of Morville.                                                        |
|               | Stottesdon .. ..                 | 19,100         | For the provision of sewerage and sewage disposal facilities for the village of Stottesdon.                                                      |
|               | Woodhill .. ..                   | 20,900         | For the replacement of existing inadequate sewerage and sewage disposal facilities in Woodhill.                                                  |
|               | Worfield Extension ..            | 875            | For extension of existing sewer from Worfield to Davenport.                                                                                      |
|               | All Stretton and Little Stretton | 185,000        | For sewerage facilities in All Stretton and Little Stretton, the relaying of an outfall sewer and the construction of new sewage disposal works. |
| Clun R. .. .. | Aston-on-Clun .. ..              | 15,500         | For providing sewage disposal facilities in an area as yet unsewered.                                                                            |
|               | Clun Village .. ..               | 63,525         | For the extension and improvement of existing facilities.                                                                                        |
| Drayton R. .. | Cheswardine .. ..                | 14,830         | Adaptation and extension of existing sewerage and sewage disposal facilities.                                                                    |
|               | Woore .. ..                      | 24,200         | For the provision of sewerage and sewage disposal facilities in the parish of Woore.                                                             |
| Ludlow R. ..  | Craven Arms .. ..                | 54,800         | For the replacement of existing inadequate sewage disposal works.                                                                                |
|               | Clee Hill—Spring Farm            | 1,810          | For the extension of sewers to serve Spring Farm area.                                                                                           |
|               | Munslow .. ..                    | 5,500          | For the provision of sewage disposal facilities in an area as yet unsewered.                                                                     |
| Shifnal R. .. | Albrighton .. ..                 | 35,460         | For improvement of the existing sewerage system and extension of the sewage disposal works.                                                      |
|               | Beckbury .. ..                   | 8,320          | For the provision of sewerage and sewage disposal facilities for the village of Beckbury.                                                        |
|               | Shifnal .. ..                    | 28,000         | For the improvement of existing facilities and the construction of new sewage disposal works.                                                    |
|               | Carried forward ..               | £701,354       |                                                                                                                                                  |

(Continued on page 81)



(Continuation of table on page 80)

| District         | Scheme                                                | Estimated Cost | Description of Scheme                                                                                                 |
|------------------|-------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------|
|                  | Brought forward ..                                    | £ 701,354      |                                                                                                                       |
| Wellington R. .. | Chetwynd Aston ..                                     | 23,912         | For the provision of a sewerage system for Chetwynd Aston.                                                            |
|                  | Hadley .. ..                                          | 90,150         | For the extension and modernisation of the existing sewage disposal works.                                            |
|                  | Ketley Extensions—<br>Mannerley Lane and<br>The Rock. | 11,100         | For the provision of sewerage facilities for properties at Mannerley Lane and The Rock.                               |
|                  | Lilleshall .. ..                                      | 62,500         | For the provision of sewerage and sewage disposal facilities for the village of Lilleshall.                           |
|                  | Preston and Horton ..                                 | 43,437         | For the provision of sewerage and sewage disposal facilities for village of Preston and hamlet of Horton.             |
|                  | Roden .. ..                                           | 9,770          | For the provision of sewerage and sewage disposal facilities for the village of Roden.                                |
|                  | Waters Upton .. ..                                    | 33,560         | For the provision of sewerage and sewage disposal facilities for the village of Waters Upton and the Sitch Lane area. |
| Wem R. .. ..     | Ash Magna and<br>Ash Parva                            | 6,779          | To provide sewerage and sewage disposal facilities for the villages of Ash Magna and Ash Parva.                       |
|                  | Prees .. ..                                           | 45,000         | For the provision of sewerage and sewage disposal facilities for the district of Prees.                               |
| Wenlock B. ..    | Madeley (Aqueduct) ..                                 | 66,327         | For the provision of sewage disposal facilities in an area as yet unsewered.                                          |
|                  | TOTAL                                                 | £1,093,889     |                                                                                                                       |

## SAMPLING OF EFFLUENTS FROM SEWAGE DISPOSAL WORKS AND WATER COURSES IN THE COUNTY

Since April, 1951, the Severn River Board have undertaken the sampling of sewage effluents from sewage disposal works in the County, including trade effluents, and supply the County Medical Officer with copies of the analytical reports on all river water and sewage effluents obtained by their sampling officers as and when they become available.

The Health Committee have observed during recent years that large number of unsatisfactory samples of sewage effluents are being obtained from disposal works towards the cost of which the County Council are making grants. The Committee decided that future cases of sub-standard effluents should be referred to the Health (Water) Sub-Committee for consideration and that the Clerk be requested in appropriate cases to approach the district councils concerned, drawing their attention to the position and asking that action be taken to remedy matters.

The findings of the Board's Analyst upon the samples of sewage effluents in Shropshire during 1961 are summarized in the table below:

Table 113: Sampling of Sewage Effluents

| District          | Location of Sewage Works or Sampling Point | Date of Sampling | Observations of Analyst                                                                                                                                                           |
|-------------------|--------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                                            | 1961             |                                                                                                                                                                                   |
| Bridgnorth B.     | Sewage Works .. ..                         | 5th June         | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |
|                   | Sewage Works .. ..                         | 13th June        | Not an exceptionally bad effluent as far as B.O.D. is concerned, but it does not comply with Royal Commission recommended standards, particularly in respect of suspended solids. |
| Dawley Urban ..   | Ever Ready Co., Ltd. ..                    | 24th Jan.        | An acceptable effluent.                                                                                                                                                           |
| Ellesmere U. ..   | Cambria Avenue Sewage Plant                | 16th Oct.        | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |
|                   | Oswestry Road Sewage                       | 16th Oct.        | Unsatisfactory. Virtually weak-to-average strength crude sewage.                                                                                                                  |
|                   | Wharf Road Sewage Works                    | 16th Oct.        | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |
| Market Drayton U. | Sewage Works .. ..                         | 3rd Jan.         | Unsatisfactory in respect of Royal Commission standards.                                                                                                                          |
|                   | Sewage Works .. ..                         | 15th May         | Visibly unsatisfactory, although plant well maintained. Unsatisfactory by Royal Commission recommended standards.                                                                 |
|                   | Sewage Works .. ..                         | 20th June        | Unsatisfactory by Royal Commission recommended standards, particularly in respect of suspended solids. Nitrification, however, reasonably good.                                   |
|                   | Sewage Works .. ..                         | 10th Aug.        | By Royal Commission recommended standards the B.O.D. is satisfactory and the suspended solids unsatisfactory. Nitrification is reasonably good.                                   |
| Oswestry B. ..    | Council Sewage Farm ..                     | 11th May         | Unsatisfactory by Royal Commission standards, particularly in respect of suspended solids.                                                                                        |
|                   | Sewage Works and Farm Effluent             | 7th Dec.         | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |
| Wellington U. ..  | Sewage Works .. ..                         | 18th Jan.        | Borderline B.O.D. Suspended solids high in respect of Royal Commission recommended standards.                                                                                     |
|                   | Sewage Works .. ..                         | 20th Mar.        | Unsatisfactory in respect of the imposed standard limit of 15 p.p.m. suspended solids and 20 p.p.m. B.O.D.                                                                        |
|                   | Sewage Works .. ..                         | 4th Oct.         | Satisfactory by Royal Commission recommended standards, except for a slightly high suspended solids content.                                                                      |
|                   | Sewage Works .. ..                         | 16th Nov.        | Unsatisfactory. This sample does not comply with the Board's Section 7 Consent conditions.                                                                                        |
| Wem Urban ..      | Sewage Works .. ..                         | 3rd Jan.         | Not within the Royal Commission recommended standards.                                                                                                                            |
|                   | Sewage Works .. ..                         | 21st Mar.        | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |
|                   | Sewage Works .. ..                         | 30th May         | Unsatisfactory by Royal Commission recommended standards.                                                                                                                         |



| District           | Location of Sewage Works or Sampling Point | Date of Sampling | Observations of Analyst                                                                                                                           |
|--------------------|--------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Wem U. (cont. . .  |                                            | 1961             |                                                                                                                                                   |
|                    | Sewage Works . . . .                       | 28th June        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Sewage Works . . . .                       | 21st Nov.        | Unsatisfactory because it does not conform to the Board's Section 7 Consent conditions.                                                           |
| Wenlock B. . . .   | Sewage Works . . . .                       | 30th Jan.        | Unsatisfactory in respect of Royal Commission recommended standards.                                                                              |
| Atcham Rural . .   | Acton Burnell Sewage Works                 | 19th Jan.        | Unsatisfactory in respect of Royal Commission recommended standards.                                                                              |
|                    | Buildwas Sewage Works                      | 30th Jan.        | Very unsatisfactory. Virtually fairly strong crude sewage.                                                                                        |
|                    | Cressage Sewage Works                      | 19th Jan.        | Very unsatisfactory—virtually average strength untreated sewage.                                                                                  |
|                    | Cruckton Sewage Works                      | 11th Jan.        | Very unsatisfactory. Equivalent to average strength crude sewage.                                                                                 |
|                    | Cruckton Sewage Works                      | 16th Mar.        | An unsatisfactory effluent.                                                                                                                       |
|                    | Eaton Constantine Sewage Works             | 30th Jan.        | Unsatisfactory in respect of suspended solids.                                                                                                    |
|                    | Ford Sewage Works . .                      | 11th Jan.        | Very unsatisfactory. Virtually average strength crude sewage.                                                                                     |
|                    | Ford Sewage Works . .                      | 27th Jan.        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Hanwood Estate Sewage Works                | 11th Jan.        | Unsatisfactory in respect of Royal Commission recommended standards. Nitrification not exceptionally good.                                        |
|                    | Hanwood Housing Estate Sewage Plant        | 24th Oct.        | Unsatisfactory.                                                                                                                                   |
|                    | Minsterley Sewage Works                    | 16th Mar.        | An unsatisfactory effluent.                                                                                                                       |
|                    | Upper Astley Sewage Plant                  | 21st Nov.        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
| Clun Rural . . . . | Bedstone . . . .                           | 10th Oct.        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Bucknell Sewage Works (new works)          | 10th Oct.        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Bucknell Sewage Works (old works)          | 10th Oct.        | Very unsatisfactory. This effluent is virtually crude sewage a little above average strength.                                                     |
| Drayton Rural . .  | Hodnet Sewage Works                        | 3rd Jan.         | Plant appears well maintained. Unsatisfactory in respect of Royal Commission recommended standards.                                               |
|                    | Hodnet Sewage Works                        | 21st Feb.        | Unsatisfactory in respect of Royal Commission recommended standards.                                                                              |
|                    | Hodnet Sewage Works                        | 30th May         | A well nitrified effluent with suspended solids exceeding the Royal Commission recommended standard, but B.O.D. only just exceeding the standard. |
|                    | Hodnet Sewage Works                        | 16th Nov.        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Cheswardine Sewage Works                   | 21st Jan.        | A very unsatisfactory effluent.                                                                                                                   |
|                    | Cheswardine Sewage Disposal Works          | 15th May         | Unsatisfactory in respect of suspended solids.                                                                                                    |
|                    | Cheswardine Sewage Works                   | 26th July        | Unsatisfactory by Royal Commission recommended standards.                                                                                         |
|                    | Cheswardine Sewage Works                   | 10th Aug.        | B.O.D. satisfactory, but suspended solids in excess of Royal Commission recommended standard limit.                                               |
|                    | Cheswardine Sewage Disposal Works          | 19th Sept.       | Unsatisfactory especially in respect of suspended solids.                                                                                         |
|                    | Cheswardine Sewage Works                   | 16th Nov.        | Unsatisfactory because it does not comply with the Board's Section 7 Consent conditions.                                                          |

(Continuation of Table on page 83)

| District             | Location of Sewage Works or Sampling Point             | Date of Sampling | Observations of Analyst                                                                                                         |
|----------------------|--------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Drayton Rural (cont. |                                                        | 1961             |                                                                                                                                 |
|                      | Woore Housing Site Sewage Plant                        | 17th Oct.        | This effluent does not comply with Royal Commission recommended standards in respect of B.O.D. and especially suspended solids. |
|                      | Woore Old Village Sewage Works                         | 17th Oct.        | This effluent is very unsatisfactory.                                                                                           |
| Ludlow Rural ..      | Cleobury Mortimer Sewage Works                         | 20th Mar.        | Unsatisfactory by Royal Commission recommended standards. This is not a bad effluent, however, and the nitrification is good.   |
| Oswestry Rural ..    | Maesbury Sewage Works                                  | 20th Nov.        | This effluent is unsatisfactory in so far as it does not comply with the Board's Section 7 Consent conditions.                  |
|                      | Maesbury Site Sewage Works                             | 28th Nov.        | This effluent is unsatisfactory because it does not comply with the Board's Section 7 Consent conditions.                       |
|                      | Maesbury Sewage Works                                  | 7th Dec.         | A reasonably nitrified effluent which complies with the Board's Section 7 Consent conditions.                                   |
|                      | Trefonen School Lane Sewage Works                      | 20th Nov.        | This effluent is unsatisfactory in so far as it does not comply with the Board's Section 7 Consent conditions.                  |
|                      | Trefonen School Lane Sewage Works                      | 28th Nov.        | Unsatisfactory. The effluent does not comply with the Board's Section 7 Consent conditions.                                     |
|                      | Trefonen School Lane Sewage Plant                      | 7th Dec.         | A well nitrified and satisfactory effluent complying with the Board's Section 7 Consent conditions.                             |
|                      | West Felton Housing Sites Sewage Plant                 | 9th Oct.         | This effluent is unsatisfactory because it does not comply with the Board's Section 7 Consent conditions.                       |
|                      | West Felton Sewage Works                               | 20th Nov.        | This effluent is unsatisfactory because it does not comply with the Board's Section 7 Consent conditions.                       |
|                      | West Felton Site Sewage Works                          | 28th Jan.        | Unsatisfactory. This effluent does not comply with the Board's Section 7 Consent conditions.                                    |
|                      | West Felton Site Sewage Works                          | 7th Dec.         | This effluent is unsatisfactory because it does not comply with the Board's Section 7 Consent conditions.                       |
|                      |                                                        |                  |                                                                                                                                 |
| Shifnal Rural ..     | Albrighton Sewage Works                                | 13th Mar.        | Unsatisfactory by Royal Commission recommended standards.                                                                       |
| Wellington Rural ..  | Admaston Sewage Farm                                   | 14th Feb.        | Unsatisfactory in respect of Royal Commission recommended standards.                                                            |
|                      | Admaston Sewage Farm                                   | 20th Mar.        | Very unsatisfactory. Virtually average strength untreated sewage.                                                               |
|                      | Brockton Site Sewage Works                             | 18th Jan.        | Very unsatisfactory.                                                                                                            |
|                      | Donnington Sewage Disposal Works                       | 18th Jan.        | B.O.D. satisfactory. Nitrification good. Suspended solids unsatisfactory in respect of Royal Commission recommended standards.  |
|                      | Donnington Sewage Works                                | 10th Oct.        | A satisfactory effluent.                                                                                                        |
|                      | Edgmond Sewage Works                                   | 21st Jan.        | Unsatisfactory.                                                                                                                 |
|                      | Edgmond Sewage Disposal Works                          | 19th Sept.       | Unsatisfactory, especially in respect of suspended solids.                                                                      |
|                      | Hadley and Ketley Sewage Farm                          | 14th Feb.        | Unsatisfactory in respect of suspended matter and B.O.D.                                                                        |
|                      | Lawley Sewage Works                                    | 10th Oct.        | Unsatisfactory by Royal Commission recommended standards, especially in respect of suspended solids.                            |
|                      | Preston-upon-the-Weald Moors Housing site Sewage Works | 18th Feb.        | Very unsatisfactory.                                                                                                            |
|                      | Roden Sewage Works                                     | 4th Oct.         | A very satisfactory effluent.                                                                                                   |
|                      | Prees Housing Estate Sewage Disposal Works             | 3rd Jan.         | Unsatisfactory. Equivalent to weak untreated sewage.                                                                            |
|                      | Ex-R.A.F. Tilstock Sewage Disposal Works               | 3rd Jan.         | Unsatisfactory in respect of Royal Commission recommended standards. Nitrification poor.                                        |
| Wem Rural ..         | Salopian Engineers, Prees                              | 21st Mar.        | A deplorable effluent.                                                                                                          |



# STATISTICAL TABLES

TABLE 1

Population, Acreage and Density of Population in the various Districts of Shropshire in 1961 (mid-year)

| Districts                       | Population<br>(estimated mid-1961) | Acreage<br>(inclusive of water) | Persons per acre |
|---------------------------------|------------------------------------|---------------------------------|------------------|
| <b>URBAN</b>                    |                                    |                                 |                  |
| Bishop's Castle Borough .. .. . | 1,220                              | 1,867                           | 0.65             |
| Bridgnorth Borough . . . . .    | 7,510                              | 2,645                           | 2.84             |
| Church Stretton Urban .. .. .   | 2,700                              | 6,198                           | 0.44             |
| Dawley Urban .. .. .            | 9,540                              | 3,259                           | 2.93             |
| Ellesmere Urban .. .. .         | 2,280                              | 1,220                           | 1.87             |
| Ludlow Borough .. .. .          | 6,690                              | 1,068                           | 6.26             |
| Market Drayton Urban .. .       | 5,840                              | 1,216                           | 4.80             |
| Newport Urban .. .. .           | 4,460                              | 768                             | 5.81             |
| Oakengates Urban .. .           | 12,170                             | 2,396                           | 5.08             |
| Oswestry Borough .. .. .        | 11,380                             | 2,173                           | 5.24             |
| Shrewsbury Borough .. .. .      | 49,810                             | 8,118                           | 6.14             |
| Wellington Urban .. .. .        | 14,040                             | 2,281                           | 6.16             |
| Wem Urban .. .. .               | 2,580                              | 903                             | 2.86             |
| Wenlock Borough .. .. .         | 14,950                             | 22,657                          | 0.66             |
| Whitchurch Urban .. .. .        | 7,090                              | 6,053                           | 1.17             |
| TOTAL—Urban Districts .. .. .   | 152,260                            | 62,822                          | 2.42             |
| <b>RURAL</b>                    |                                    |                                 |                  |
| Atcham .. .. .                  | 22,680                             | 134,490                         | 0.17             |
| Bridgnorth .. .. .              | 15,100                             | 100,897                         | 0.15             |
| Clun .. .. .                    | 8,510                              | 132,512                         | 0.06             |
| Drayton .. .. .                 | 9,760                              | 54,058                          | 0.18             |
| Ellesmere .. .. .               | 7,470                              | 48,253                          | 0.15             |
| Ludlow .. .. .                  | 13,390                             | 112,823                         | 0.12             |
| Oswestry .. .. .                | 19,540                             | 61,524                          | 0.32             |
| Shifnal .. .. .                 | 14,800                             | 39,562                          | 0.37             |
| Wellington .. .. .              | 26,290                             | 54,516                          | 0.48             |
| Wem .. .. .                     | 12,120                             | 60,343                          | 0.20             |
| TOTAL—Rural Districts .. .. .   | 149,660                            | 798,978                         | 0.19             |
| ADMINISTRATIVE COUNTY .. .. .   | 301,920                            | 861,800                         | 0.35             |

TABLE II

Deaths, Births and Infantile Mortality in Shropshire in 1961

| DISTRICTS               | DEATHS             |                              | BIRTHS                |            |              |       | DEATHS OF INFANTS            |                       |             |                 |                          |                |                       |
|-------------------------|--------------------|------------------------------|-----------------------|------------|--------------|-------|------------------------------|-----------------------|-------------|-----------------|--------------------------|----------------|-----------------------|
|                         | Deaths at all ages | Rate per 1,000 of Population | Comparable Death-rate | Legitimate | Illegitimate | Total | Rate per 1,000 of Population | Comparable Birth-rate | Stillbirths | Under one month | Neo-natal mortality rate | Under one year | Infant mortality rate |
| URBAN                   |                    |                              |                       |            |              |       |                              |                       |             |                 |                          |                |                       |
| Bishop's Castle Borough | 34                 | 27.87                        | 9.75                  | 14         | 2            | 16    | 13.11                        | 14.81                 | —           | 2               | 125.00                   | 3              | 187.50                |
| Bridgnorth Borough      | 100                | 13.31                        | 12.25                 | 149        | 4            | 153   | 20.37                        | 19.35                 | 4           | 1               | 6.54                     | 2              | 13.07                 |
| Church Stretton Urban   | 41                 | 15.18                        | 9.26                  | 41         | 1            | 42    | 15.55                        | 18.19                 | 1           | —               | —                        | —              | —                     |
| Dawley Urban            | 107                | 11.21                        | 13.78                 | 192        | 7            | 199   | 20.86                        | 20.23                 | 8           | 3               | 15.08                    | 5              | 25.13                 |
| Ellesmere Urban         | 33                 | 14.47                        | 12.01                 | 40         | 2            | 42    | 18.42                        | 18.42                 | —           | 1               | 23.81                    | 1              | 23.81                 |
| Ludlow Borough          | 105                | 15.70                        | 10.05                 | 101        | 9            | 110   | 16.44                        | 16.44                 | 3           | 2               | 18.18                    | 2              | 18.18                 |
| Market Drayton Urban    | 93                 | 15.92                        | 14.49                 | 101        | 14           | 115   | 19.69                        | 20.28                 | 3           | 2               | 17.39                    | 3              | 26.09                 |
| Newport Urban           | 51                 | 11.43                        | 9.72                  | 69         | 7            | 76    | 17.04                        | 16.70                 | 4           | —               | —                        | —              | —                     |
| Oakengates Urban        | 125                | 10.27                        | 11.19                 | 197        | 6            | 203   | 16.68                        | 16.68                 | 6           | 2               | 9.85                     | 4              | 19.70                 |
| Oswestry Borough        | 136                | 11.95                        | 11.95                 | 183        | 5            | 188   | 16.52                        | 16.35                 | 1           | 3               | 15.96                    | 3              | 15.96                 |
| Shrewsbury Borough      | 590                | 11.85                        | 11.97                 | 843        | 34           | 877   | 17.61                        | 17.26                 | 20          | 17              | 19.38                    | 26             | 29.65                 |
| Wellington Urban        | 176                | 12.54                        | 12.92                 | 220        | 13           | 233   | 16.60                        | 16.10                 | 4           | 2               | 8.58                     | 5              | 21.46                 |
| Wem Urban               | 34                 | 13.18                        | 11.60                 | 34         | 1            | 35    | 13.57                        | 14.38                 | —           | —               | —                        | —              | —                     |
| Wenlock Borough         | 211                | 14.11                        | 12.56                 | 210        | 7            | 217   | 14.52                        | 14.67                 | 6           | 2               | 9.22                     | 5              | 23.04                 |
| Whitchurch Urban        | 98                 | 13.82                        | 9.54                  | 99         | 6            | 105   | 14.81                        | 15.55                 | 2           | 2               | 19.05                    | 2              | 19.05                 |
| Aggregate               | 1,934              | 12.70                        | 11.94                 | 2,493      | 118          | 2,611 | 17.15                        | 16.98                 | 62          | 39              | 14.94                    | 61             | 23.36                 |
| RURAL                   |                    |                              |                       |            |              |       |                              |                       |             |                 |                          |                |                       |
| Aicham                  | 238                | 10.49                        | 10.38                 | 338        | 19           | 357   | 15.74                        | 17.16                 | 9           | 6               | 16.81                    | 8              | 22.41                 |
| Bridgnorth              | 133                | 8.81                         | 11.28                 | 207        | 4            | 211   | 13.97                        | 17.18                 | 5           | 5               | 23.70                    | 5              | 23.70                 |
| Clun                    | 96                 | 11.28                        | 10.60                 | 163        | 13           | 176   | 20.68                        | 23.78                 | 3           | 1               | 5.68                     | 2              | 11.36                 |
| Drayton                 | 97                 | 9.94                         | 11.13                 | 217        | 3            | 220   | 22.54                        | 22.54                 | 4           | 4               | 18.18                    | 4              | 18.18                 |
| Ellesmere               | 68                 | 9.10                         | 10.56                 | 128        | 7            | 135   | 18.07                        | 20.42                 | 2           | 2               | 14.81                    | 3              | 22.22                 |
| Ludlow                  | 147                | 10.98                        | 10.32                 | 200        | 7            | 207   | 15.46                        | 17.78                 | 5           | 1               | 4.83                     | 1              | 4.83                  |
| Oswestry                | 309                | 15.81                        | 14.07                 | 302        | 5            | 307   | 15.71                        | 18.38                 | 5           | 5               | 16.29                    | 6              | 19.54                 |
| Shifnal                 | 107                | 7.23                         | 9.76                  | 228        | 9            | 237   | 16.01                        | 17.93                 | 5           | 7               | 29.54                    | 9              | 37.97                 |
| Wellington              | 243                | 9.24                         | 11.83                 | 460        | 31           | 491   | 18.67                        | 19.60                 | 8           | 10              | 20.37                    | 12             | 24.44                 |
| Wem                     | 111                | 9.16                         | 9.71                  | 198        | 6            | 204   | 16.83                        | 18.01                 | 4           | 2               | 9.80                     | 3              | 14.71                 |
| Aggregate               | 1,549              | 10.35                        | 11.28                 | 2,441      | 104          | 2,545 | 17.00                        | 18.87                 | 50          | 43              | 16.86                    | 53             | 20.83                 |
| ADMINISTRATIVE COUNTY   | 3,483              | 11.54                        | 11.66                 | 4,934      | 222          | 5,156 | 17.08                        | 18.10                 | 112         | 82              | 15.90                    | 114            | 22.11                 |



TABLE III  
Registrar General's Statistics  
Causes of Death in Shropshire during 1961

| DISTRICTS               | Tuberculosis—respiratory | Tuberculosis—other | Syphilitic disease | Diphtheria | Whooping cough | Meningococcal infections | Acute poliomyelitis | Measles | Other infective and parasitic diseases | Malignant Neoplasm |                |        |        |                                         | Leukaemia, aleukaemia | Diabetes | Vascular lesions of nervous system | Coronary disease, angina | Hypertension with heart disease | Other heart disease | Other circulatory disease | Influenza | Pneumonia | Bronchitis | Other diseases of respiratory system | Ulcer of stomach and duodenum | Gastritis, enteritis and diarrhoea | Nephritis and nephrosis | Hyperplasia of prostate | Pregnancy, childbirth and abortion | Congenital malformations | Other defined and ill-defined diseases | Motor vehicle accidents | All other accidents | Suicide | Homicide and operations of war | All Causes |     |     |     |     |    |
|-------------------------|--------------------------|--------------------|--------------------|------------|----------------|--------------------------|---------------------|---------|----------------------------------------|--------------------|----------------|--------|--------|-----------------------------------------|-----------------------|----------|------------------------------------|--------------------------|---------------------------------|---------------------|---------------------------|-----------|-----------|------------|--------------------------------------|-------------------------------|------------------------------------|-------------------------|-------------------------|------------------------------------|--------------------------|----------------------------------------|-------------------------|---------------------|---------|--------------------------------|------------|-----|-----|-----|-----|----|
|                         |                          |                    |                    |            |                |                          |                     |         |                                        | Stomach            | Lung, bronchus | Breast | Uterus | Other malignant and lymphatic neoplasms |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |
| URBAN:                  |                          |                    |                    |            |                |                          |                     |         |                                        |                    |                |        |        |                                         |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |
| Bishop's Castle Borough | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 7              | 1      | —      | 10                                      | 8                     | —        | 6                                  | —                        | —                               | —                   | —                         | —         | —         | 9          | 3                                    | 1                             | —                                  | 1                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | —   | —   | 34 |
| Bridgnorth Borough      | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 2                  | 13             | —      | 19     | 10                                      | 2                     | 13       | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | —   | 100 |    |
| Church Stretton Urban   | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | 10             | —      | 9      | 10                                      | 1                     | 9        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | —   | 41  |    |
| Dawley Urban            | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 2                  | 13             | —      | 24     | 16                                      | —                     | 13       | —                                  | —                        | —                               | —                   | —                         | —         | 6         | 9          | 2                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | 107 |     |    |
| Ellesmere Urban         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 9              | 1      | 2      | 13                                      | 3                     | 1        | —                                  | —                        | —                               | —                   | —                         | —         | 1         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | 33  |     |    |
| Ludlow Borough          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 9              | 1      | 1      | 13                                      | 19                    | 2        | 23                                 | 4                        | —                               | —                   | —                         | —         | 8         | 1          | 1                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | —   | 105 |     |    |
| Market Drayton Urban    | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 9              | 1      | 1      | 17                                      | 16                    | 2        | 18                                 | 3                        | —                               | —                   | —                         | —         | 4         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 93  |     |     |    |
| Newport Urban           | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 4              | —      | 5      | 8                                       | 7                     | —        | 13                                 | —                        | —                               | —                   | —                         | —         | 5         | 2          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 51  |     |     |    |
| Oakengates Urban        | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 3                  | 1              | 2      | 1      | 27                                      | 22                    | —        | 10                                 | 8                        | —                               | —                   | —                         | —         | 6         | 4          | 2                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 125 |     |     |    |
| Oswestry Borough        | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 9                  | 6              | 1      | 11     | 21                                      | 30                    | 3        | 23                                 | 4                        | —                               | —                   | —                         | —         | 3         | 2          | 2                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 136 |     |     |    |
| Shrewsbury Borough      | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 18                 | 24             | 8      | 7      | 93                                      | 110                   | 12       | 65                                 | 22                       | 10                              | —                   | —                         | —         | 26        | 26         | 5                                    | 5                             | 2                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 590 |     |     |    |
| Wellington Urban        | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 3                  | 7              | 3      | 1      | 30                                      | 35                    | 5        | 17                                 | 10                       | 5                               | —                   | —                         | —         | 6         | 5          | 3                                    | 3                             | 2                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 176 |     |     |    |
| Wem Urban               | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | 2              | —      | 1      | 3                                       | 8                     | 1        | 7                                  | 3                        | —                               | —                   | —                         | —         | 2         | —          | 1                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 34  |     |     |    |
| Wenlock Borough         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 3                  | 110            | 5      | —      | 50                                      | 20                    | 1        | 23                                 | 11                       | 4                               | —                   | —                         | —         | 5         | 16         | 2                                    | 1                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 211 |     |     |    |
| Whitchurch Urban        | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 3              | —      | —      | 14                                      | 15                    | 1        | 16                                 | 3                        | —                               | —                   | —                         | 1         | 3         | —          | 2                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | —          | —   | 98  |     |     |    |
| TOTAL—Urban Districts   | 7                        | 1                  | 2                  | —          | —              | —                        | —                   | —       | 2                                      | 46                 | 70             | 28     | 11     | 343                                     | 335                   | 30       | 259                                | 77                       | 46                              | 79                  | 74                        | 16        | 13        | 10         | 14                                   | 6                             | 2                                  | 20                      | 192                     | 22                                 | 38                       | 19                                     | 3                       | 1934                |         |                                |            |     |     |     |     |    |
| Pop. 152,260            |                          |                    |                    |            |                |                          |                     |         |                                        |                    |                |        |        |                                         |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |
| RURAL:                  |                          |                    |                    |            |                |                          |                     |         |                                        |                    |                |        |        |                                         |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |
| Aitcham                 | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 4                  | 6              | 2      | 1      | 25                                      | 40                    | 3        | 34                                 | 6                        | 10                              | —                   | —                         | —         | 12        | 8          | 4                                    | 2                             | 1                                  | 2                       | 3                       | 24                                 | 5                        | 5                                      | 3                       | —                   | —       | —                              | —          | —   | 238 |     |     |    |
| Bridgnorth              | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 3                  | —              | 4      | —      | 9                                       | 17                    | 1        | 15                                 | 13                       | —                               | —                   | —                         | 9         | 8         | 2          | 1                                    | 1                             | 1                                  | 2                       | 1                       | 18                                 | 1                        | 1                                      | 3                       | 3                   | —       | —                              | —          | 133 |     |     |     |    |
| Clun                    | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | 1              | 2      | 1      | 9                                       | 12                    | 2        | 25                                 | 3                        | 2                               | —                   | —                         | —         | 2         | 2          | 2                                    | 2                             | 2                                  | —                       | 1                       | 8                                  | 1                        | 1                                      | 3                       | —                   | —       | —                              | —          | 96  |     |     |     |    |
| Drayton                 | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 2                  | 2              | 1      | 1      | 6                                       | 2                     | —        | 17                                 | 6                        | 2                               | —                   | —                         | —         | 2         | —          | 1                                    | —                             | —                                  | —                       | 2                       | 12                                 | 4                        | 1                                      | 1                       | —                   | —       | —                              | —          | 97  |     |     |     |    |
| Ellesmere               | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 1              | —      | 3      | 1                                       | 1                     | 1        | 13                                 | 1                        | 1                               | —                   | —                         | —         | 2         | 2          | 2                                    | —                             | —                                  | —                       | 2                       | 7                                  | 1                        | 1                                      | 2                       | —                   | —       | —                              | —          | 68  |     |     |     |    |
| Ludlow                  | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 3                  | 5              | 1      | 2      | 17                                      | 11                    | 1        | 18                                 | 6                        | —                               | —                   | —                         | 4         | 4         | 3          | 2                                    | 2                             | 2                                  | 2                       | 2                       | 11                                 | 1                        | 1                                      | 6                       | 2                   | 3       | —                              | —          | 147 |     |     |     |    |
| Oswestry                | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 4                  | 9              | 3      | 2      | 25                                      | 1                     | 5        | 61                                 | 11                       | 14                              | 18                  | 9                         | 3         | 1         | 2          | 2                                    | 2                             | 2                                  | 2                       | 3                       | 16                                 | 1                        | 1                                      | 4                       | 3                   | —       | —                              | —          | 309 |     |     |     |    |
| Shifnal                 | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 1                  | 2              | 2      | 1      | 13                                      | 19                    | 3        | 11                                 | 4                        | 2                               | 4                   | 5                         | 3         | 1         | 2          | 2                                    | 1                             | —                                  | 3                       | 14                      | 1                                  | 1                        | 3                                      | 5                       | 3                   | —       | —                              | —          | 107 |     |     |     |    |
| Wellington              | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 2                  | 8              | 6      | 2      | 27                                      | 46                    | 6        | 28                                 | 16                       | 6                               | 7                   | 11                        | 3         | 1         | 3          | —                                    | —                             | —                                  | 3                       | 18                      | 7                                  | 18                       | 7                                      | 5                       | 3                   | —       | —                              | —          | 243 |     |     |     |    |
| Wem                     | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 5                  | —              | 2      | —      | 12                                      | 14                    | —        | 22                                 | 2                        | 2                               | 5                   | 4                         | 2         | —         | —          | —                                    | —                             | —                                  | —                       | 3                       | 16                                 | 7                        | 7                                      | —                       | —                   | —       | —                              | —          | 111 |     |     |     |    |
| TOTAL—Rural Districts   | 6                        | —                  | 2                  | —          | —              | —                        | —                   | —       | 3                                      | 33                 | 32             | 18     | 7      | 145                                     | 11                    | 5        | 221                                | 68                       | 39                              | 63                  | 52                        | 20        | 14        | 9          | 10                                   | 9                             | 2                                  | 26                      | 144                     | 28                                 | 31                       | 20                                     | —                       | —                   | —       | —                              | 1549       |     |     |     |     |    |
| Pop. 149,660            |                          |                    |                    |            |                |                          |                     |         |                                        |                    |                |        |        |                                         |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |
| TOTAL—County            | 13                       | 1                  | 4                  | —          | —              | —                        | —                   | —       | 5                                      | 79                 | 102            | 46     | 18     | 285                                     | 27                    | 18       | 564                                | 145                      | 85                              | 142                 | 126                       | 36        | 27        | 19         | 24                                   | 15                            | 4                                  | 46                      | 336                     | 50                                 | 69                       | 39                                     | 3                       | 3483                |         |                                |            |     |     |     |     |    |
| Pop. 301,920            |                          |                    |                    |            |                |                          |                     |         |                                        |                    |                |        |        |                                         |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |            |     |     |     |     |    |



TABLE IV  
Causes of death by sex and age groups in Shropshire during 1961

| AGE GROUPS                                                                                                                                                                                                                                                             | Sex | All Causes | Tuberculosis—respiratory | Tuberculosis—other | Syphilitic disease | Diphtheria | Whooping cough | Meningococcal infections | Acute poliomyelitis | Measles | Other infective and parasitic diseases | Malignant Neoplasm |                |        |        |                                         | Leukaemia, aleukaemia | Diabetes | Vascular lesions of nervous system | Coronary disease, angina | Hypertension with heart disease | Other heart disease | Other circulatory disease | Influenza | Pneumonia | Bronchitis | Other diseases of respiratory system | Ulcer of stomach and duodenum | Gastritis, enteritis and diarrhoea | Nephritis and nephrosis | Hyperplasia of prostate | Pregnancy, childbirth and abortion | Congenital malformations | Other defined and ill-defined diseases | Motor vehicle accidents | All other accidents | Suicide | Homicide and operations of war |   |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|--------------------------|--------------------|--------------------|------------|----------------|--------------------------|---------------------|---------|----------------------------------------|--------------------|----------------|--------|--------|-----------------------------------------|-----------------------|----------|------------------------------------|--------------------------|---------------------------------|---------------------|---------------------------|-----------|-----------|------------|--------------------------------------|-------------------------------|------------------------------------|-------------------------|-------------------------|------------------------------------|--------------------------|----------------------------------------|-------------------------|---------------------|---------|--------------------------------|---|---|---|---|
|                                                                                                                                                                                                                                                                        |     |            |                          |                    |                    |            |                |                          |                     |         |                                        | Stomach            | Lung, bronchus | Breast | Uterus | Other malignant and lymphatic neoplasms |                       |          |                                    |                          |                                 |                     |                           |           |           |            |                                      |                               |                                    |                         |                         |                                    |                          |                                        |                         |                     |         |                                |   |   |   |   |
| URBAN DISTRICTS:<br>Under 1 year ..<br>1 year and under 5 years<br>5 years and under 15 years<br>15 years and under 25 years<br>25 years and under 45 years<br>45 years and under 65 years<br>65 years and under 75 years<br>75 years and over ..<br>Total—All ages .. | M   | 33         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 28         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | M   | 4          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 4          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | M   | 7          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — |   |   |
|                                                                                                                                                                                                                                                                        | F   | 7          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — |   |   |
|                                                                                                                                                                                                                                                                        | M   | 5          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — |   |   |
|                                                                                                                                                                                                                                                                        | F   | 22         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — |   |   |
|                                                                                                                                                                                                                                                                        | M   | 261        | 2                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 152        | 4                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| M                                                                                                                                                                                                                                                                      | 277 | 4          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| F                                                                                                                                                                                                                                                                      | 223 | 1          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| M                                                                                                                                                                                                                                                                      | 343 | —          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| F                                                                                                                                                                                                                                                                      | 526 | —          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| Total—All ages ..                                                                                                                                                                                                                                                      | M   | 967        | 6                        | —                  | 1                  | —          | —              | —                        | —                   | —       | 2                                      | 30                 | 63             | —      | —      | —                                       | 7                     | 3        | 161                                | 209                      | 9                               | 89                  | 32                        | 23        | 39        | 53         | 12                                   | 8                             | 3                                  | 5                       | 6                       | —                                  | 2                        | 10                                     | 110                     | 9                   | 24      | 13                             | 6 | 1 |   |   |
| F                                                                                                                                                                                                                                                                      | 967 | 1          | 1                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | 16                 | 7              | 28     | 11     | 68                                      | 9                     | 10       | 182                                | 126                      | 21                              | 170                 | 45                        | 23        | 40        | 21         | 4                                    | 5                             | 7                                  | 9                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| RURAL DISTRICTS:<br>Under 1 year ..<br>1 year and under 5 years<br>5 years and under 15 years<br>15 years and under 25 years<br>25 years and under 45 years<br>45 years and under 65 years<br>65 years and under 75 years<br>75 years and over ..<br>Total—All ages .. | M   | 33         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — | — |
|                                                                                                                                                                                                                                                                        | F   | 20         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — | — |
|                                                                                                                                                                                                                                                                        | M   | 4          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — | — |
|                                                                                                                                                                                                                                                                        | F   | 7          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — | — |
|                                                                                                                                                                                                                                                                        | M   | 9          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 5          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | M   | 16         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — |   |   |
|                                                                                                                                                                                                                                                                        | F   | 4          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | M   | 29         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 19         | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| M                                                                                                                                                                                                                                                                      | 188 | 2          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| F                                                                                                                                                                                                                                                                      | 123 | 1          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| M                                                                                                                                                                                                                                                                      | 233 | 1          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| F                                                                                                                                                                                                                                                                      | 179 | 1          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| M                                                                                                                                                                                                                                                                      | 326 | —          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| F                                                                                                                                                                                                                                                                      | 354 | —          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | —                                      | —                  | —              | —      | —      | —                                       | —                     | —        | —                                  | —                        | —                               | —                   | —                         | —         | —         | —          | —                                    | —                             | —                                  | —                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| Total—All ages ..                                                                                                                                                                                                                                                      | M   | 838        | 3                        | —                  | 1                  | —          | —              | —                        | —                   | —       | 1                                      | 23                 | 27             | —      | —      | —                                       | 7                     | 4        | 103                                | 163                      | 8                               | 119                 | 32                        | 21        | 33        | 38         | 13                                   | 9                             | 4                                  | 5                       | 9                       | —                                  | 2                        | 14                                     | 60                      | 25                  | 24      | 12                             | 8 | — |   |   |
| F                                                                                                                                                                                                                                                                      | 711 | 3          | —                        | —                  | —                  | —          | —              | —                        | —                   | —       | 2                                      | 10                 | 5              | 18     | 7      | 65                                      | 4                     | 1        | 118                                | 100                      | 14                              | 125                 | 36                        | 18        | 30        | 14         | 7                                    | 5                             | 5                                  | 5                       | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
| ADMINISTRATIVE COUNTY                                                                                                                                                                                                                                                  | M   | 1805       | 9                        | 1                  | 2                  | —          | —              | —                        | —                   | —       | 3                                      | 53                 | 90             | —      | —      | —                                       | 14                    | 7        | 264                                | 372                      | 17                              | 208                 | 64                        | 44        | 72        | 91         | 25                                   | 17                            | 7                                  | 10                      | 15                      | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | F   | 1678       | 4                        | —                  | 2                  | —          | —              | —                        | —                   | —       | 2                                      | 26                 | 12             | 46     | 18     | 133                                     | 13                    | 11       | 300                                | 226                      | 35                              | 295                 | 81                        | 41        | 70        | 35         | 11                                   | 10                            | 12                                 | 14                      | —                       | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |
|                                                                                                                                                                                                                                                                        | T   | 3483       | 13                       | 1                  | 4                  | —          | —              | —                        | —                   | —       | 5                                      | 79                 | 102            | 46     | 18     | 285                                     | 27                    | 18       | 564                                | 598                      | 52                              | 503                 | 145                       | 85        | 142       | 126        | 36                                   | 27                            | 19                                 | 24                      | 15                      | —                                  | —                        | —                                      | —                       | —                   | —       | —                              | — | — | — |   |



TABLE V  
Return of Cases of Notifiable Diseases during 1961

| SANITARY DISTRICT               | Scarlet Fever | Whooping Cough | Dysentery | Measles | Acute Pneumonia | Meningococcal Infection | Acute Poliomyelitis (Paralytic) | Acute Poliomyelitis (Non-Paralytic) | Ophthalmia Neonatorum | Puerperal Pyrexia | Erysipelas | Food Poisoning | †Tuberculosis (Respiratory) | Tuberculosis (C.N.S. and Meninges) | Tuberculosis (Other) | Acute Encephalitis (Infective) | Acute Encephalitis (Post Infectious) | Diphtheria |
|---------------------------------|---------------|----------------|-----------|---------|-----------------|-------------------------|---------------------------------|-------------------------------------|-----------------------|-------------------|------------|----------------|-----------------------------|------------------------------------|----------------------|--------------------------------|--------------------------------------|------------|
| URBAN AND BOROUGH :             |               |                |           |         |                 |                         |                                 |                                     |                       |                   |            |                |                             |                                    |                      |                                |                                      |            |
| Bishop's Castle ..              | 4             | 3              | —         | 48      | —               | —                       | —                               | —                                   | —                     | —                 | —          | —              | —                           | —                                  | —                    | —                              | —                                    | —          |
| Bridgnorth ..                   | 4             | 1              | —         | 100     | —               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 1                           | —                                  | —                    | —                              | —                                    | —          |
| Church Stretton ..              | 13            | —              | —         | 34      | 4               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 1                           | —                                  | 3                    | —                              | —                                    | —          |
| Dawley ..                       | 3             | —              | 1         | 184     | 10              | —                       | —                               | —                                   | —                     | —                 | —          | —              | 1                           | —                                  | —                    | —                              | —                                    | —          |
| Ellesmere ..                    | —             | —              | —         | 11      | —               | 1                       | —                               | —                                   | —                     | —                 | —          | —              | —                           | —                                  | —                    | —                              | —                                    | —          |
| Ludlow ..                       | —             | 8              | 1         | 106     | 3               | —                       | —                               | —                                   | —                     | 1                 | —          | —              | —                           | —                                  | —                    | —                              | —                                    | —          |
| Market Drayton ..               | —             | 5              | —         | 46      | 1               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 6                           | —                                  | —                    | —                              | —                                    | —          |
| Newport ..                      | 7             | 4              | —         | 133     | —               | —                       | 1                               | —                                   | —                     | 1                 | —          | —              | 1                           | —                                  | 1                    | —                              | —                                    | —          |
| Oakengates ..                   | 1             | 1              | —         | 375     | 5               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 7                           | —                                  | —                    | —                              | —                                    | —          |
| Oswestry ..                     | —             | 4              | —         | 162     | 1               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 2                           | —                                  | —                    | —                              | —                                    | —          |
| Shrewsbury ..                   | 13            | 34             | 28        | 678     | 7               | 1                       | —                               | —                                   | —                     | 2                 | 3          | 14             | 14                          | —                                  | 6                    | —                              | 1                                    | —          |
| Wellington ..                   | 6             | 17             | —         | 147     | 2               | —                       | —                               | —                                   | —                     | —                 | —          | —              | 5                           | —                                  | —                    | —                              | —                                    | —          |
| Wem ..                          | —             | —              | —         | 45      | 3               | —                       | —                               | —                                   | —                     | —                 | —          | 2              | —                           | —                                  | —                    | —                              | —                                    | —          |
| Wenlock ..                      | 5             | 11             | 3         | 285     | 19              | —                       | —                               | —                                   | —                     | —                 | —          | —              | 3                           | —                                  | —                    | —                              | —                                    | —          |
| Whitchurch ..                   | 12            | 2              | —         | 235     | 1               | —                       | —                               | —                                   | —                     | —                 | —          | 3              | 1                           | —                                  | 1                    | —                              | —                                    | —          |
| TOTAL ..                        | 68            | 90             | 33        | 2,589   | 56              | 2                       | 1                               | —                                   | —                     | 4                 | 3          | 24             | 42                          | —                                  | 13                   | —                              | 1                                    | —          |
| RURAL :                         |               |                |           |         |                 |                         |                                 |                                     |                       |                   |            |                |                             |                                    |                      |                                |                                      |            |
| Atcham ..                       | 11            | 24             | 8         | 504     | 13              | —                       | —                               | —                                   | —                     | —                 | —          | 2              | 6                           | —                                  | 1                    | —                              | —                                    | —          |
| Bridgnorth ..                   | 14            | 15             | 1         | 221     | 14              | —                       | —                               | —                                   | —                     | —                 | —          | 2              | 4                           | —                                  | 1                    | —                              | —                                    | —          |
| Ciun ..                         | 3             | 1              | —         | 196     | 2               | —                       | 1                               | —                                   | —                     | —                 | —          | —              | 1                           | —                                  | —                    | —                              | —                                    | —          |
| Drayton ..                      | —             | 8              | 1         | 138     | —               | —                       | —                               | —                                   | —                     | 1                 | 1          | 1              | 2                           | —                                  | —                    | —                              | —                                    | —          |
| Ellesmere ..                    | 1             | 7              | 1         | 128     | 2               | —                       | —                               | —                                   | —                     | 1                 | —          | —              | 1                           | —                                  | —                    | 1                              | —                                    | —          |
| Ludlow ..                       | 7             | 11             | 1         | 296     | 9               | —                       | —                               | —                                   | —                     | —                 | —          | 1              | 5                           | —                                  | —                    | —                              | —                                    | —          |
| Oswestry ..                     | 8             | 9              | —         | 296     | 3               | —                       | —                               | —                                   | —                     | —                 | —          | 2              | 7                           | 1                                  | 1                    | —                              | —                                    | —          |
| Shifnal ..                      | 28            | 23             | 1         | 338     | 39              | 3                       | 1                               | —                                   | —                     | 1                 | —          | —              | —                           | —                                  | 1                    | —                              | —                                    | 1          |
| Wellington ..                   | 9             | 5              | —         | 527     | 9               | —                       | —                               | —                                   | —                     | 2                 | —          | —              | 7                           | —                                  | 1                    | —                              | 1                                    | —          |
| Wem ..                          | 4             | 5              | —         | 418     | 5               | 1                       | —                               | —                                   | —                     | 1                 | —          | 2              | 2                           | —                                  | —                    | —                              | —                                    | —          |
| TOTAL ..                        | 85            | 108            | 13        | 3,062   | 96              | 4                       | 2                               | —                                   | —                     | 3                 | 4          | 10             | 35                          | 1                                  | 5                    | 1                              | 1                                    | 1          |
| ADMINISTRATIVE COUNTY :         |               |                |           |         |                 |                         |                                 |                                     |                       |                   |            |                |                             |                                    |                      |                                |                                      |            |
| Total for 1961 ..               | 153           | 198            | 46        | 5,651   | 152             | 6                       | 3                               | —                                   | —                     | 7                 | 7          | 34             | 77                          | 1                                  | 18                   | 1                              | 2                                    | 1          |
| Total for 1960 ..               | 136           | 241            | 105       | 396     | 125             | 4                       | —                               | —                                   | 2                     | 9                 | 10         | 21             | 93                          | —                                  | 32                   | 3                              | —                                    | —          |
| Increase (+) or Decrease (—) .. | +17           | —43            | —59       | +5,255  | +27             | +2                      | +3                              | —                                   | —2                    | —2                | —3         | 13+            | —16                         | +1                                 | —14                  | —2                             | +2                                   | +1         |

—No notifications.

†Notifications exclude cases notified after death, and do not therefore compare with the numbers of new cases of Respiratory Tuberculosis reported on page 12.

TABLE VI  
Midwifery Services—Domiciliary Confinements attended in 1961

| Nursing District               | Nurse Mid-wives | Total confinements | Doctor present at delivery | †Tests performed |               |             | Analgesics administered |         |         | †Total cases | Domiciliary Visits |           |        | Attendance on discharged institutional cases |        |
|--------------------------------|-----------------|--------------------|----------------------------|------------------|---------------|-------------|-------------------------|---------|---------|--------------|--------------------|-----------|--------|----------------------------------------------|--------|
|                                |                 |                    |                            | W.R. and Kahn    | Rhesus factor | Coombs test | Pethidine               | Gas/Air | Trilene |              | Ante-natal         | Midwifery | Total  | Cases                                        | Visits |
| Alberbury .. .. .              | 1               | 9                  | 2                          | 9                | 9             | 2           | 4                       | 6       | —       | 6            | 75                 | 116       | 191    | 18                                           | 74     |
| Albrighton .. .. .             | 1               | 24                 | 1                          | 24               | 24            | 3           | 18                      | 22      | —       | 23           | 250                | 386       | 636    | 22                                           | 90     |
| Ash .. .. .                    | 1               | 15                 | 14                         | 1                | 13            | 4           | 12                      | 12      | 1       | 13           | 217                | 227       | 444    | 7                                            | 40     |
| Atcham .. .. .                 | 1               | 33                 | 6                          | 32               | 33            | 3           | 29                      | 25      | 1       | 32           | 367                | 432       | 799    | 14                                           | 55     |
| Baschurch .. .. .              | 1               | 20                 | 8                          | 20               | 20            | 3           | 16                      | 17      | 1       | 18           | 220                | 310       | 530    | 6                                            | 9      |
| Bishop's Castle .. .. .        | 2               | 18                 | 5                          | 18               | 18            | 3           | 17                      | 18      | —       | 18           | 156                | 290       | 446    | 6                                            | 44     |
| Bomere Heath .. .. .           | 1               | 14                 | 2                          | 14               | 14            | 2           | 10                      | 9       | —       | 11           | 127                | 219       | 346    | 8                                            | 34     |
| Bridgnorth .. .. .             | 3               | 55                 | 1                          | 53               | 55            | 8           | 32                      | 34      | 6       | 50           | 522                | 903       | 1,425  | 15                                           | 84     |
| Burford .. .. .                | 1               | 9                  | —                          | 2                | 9             | 1           | 6                       | 6       | 1       | 8            | 94                 | 140       | 234    | 4                                            | 20     |
| Chirbury .. .. .               | 1               | 4                  | 2                          | 3                | 4             | —           | 4                       | 4       | —       | 4            | 29                 | 54        | 83     | 9                                            | 37     |
| Church Stretton .. .. .        | 2               | 24                 | 7                          | 24               | 24            | 5           | 18                      | 19      | 5       | 23           | 264                | 395       | 659    | 22                                           | 76     |
| Claverley .. .. .              | 1               | 20                 | 2                          | 20               | 20            | 2           | 5                       | 8       | 7       | 16           | 213                | 308       | 521    | 2                                            | 16     |
| Clee Hill .. .. .              | 1               | 13                 | —                          | 6                | 13            | 3           | 5                       | 6       | —       | 9            | 102                | 190       | 292    | 3                                            | 6      |
| Cleobury Mortimer .. .. .      | 2               | 17                 | —                          | 16               | 17            | 3           | 12                      | 10      | 6       | 16           | 200                | 269       | 469    | 24                                           | 66     |
| Clun .. .. .                   | 1               | 15                 | 4                          | 15               | 15            | 3           | 9                       | 9       | 1       | 11           | 165                | 234       | 399    | 1                                            | 8      |
| Craven Arms .. .. .            | 1               | 19                 | 3                          | 19               | 19            | —           | 11                      | 16      | —       | 17           | 192                | 311       | 503    | 9                                            | 53     |
| Dawley .. .. .                 | 2               | 80                 | 31                         | 80               | 80            | 9           | 64                      | 4       | 72      | 78           | 732                | 1,119     | 1,851  | 89                                           | 231    |
| Donnington .. .. .             | 2               | 59                 | 4                          | 6                | 59            | 6           | 36                      | 14      | 11      | 42           | 469                | 928       | 1,397  | 46                                           | 168    |
| Dorrington .. .. .             | 1               | 15                 | —                          | 14               | 14            | 1           | 7                       | 11      | 1       | 13           | 144                | 223       | 367    | 9                                            | 34     |
| Ellesmere .. .. .              | 1               | 44                 | 6                          | 43               | 43            | 8           | 10                      | 37      | —       | 40           | 318                | 608       | 926    | 19                                           | 82     |
| Gobowen .. .. .                | 1               | 14                 | 3                          | 14               | 14            | 1           | 6                       | 9       | 1       | 12           | 223                | 234       | 457    | 14                                           | 78     |
| Hadley .. .. .                 | 1               | 48                 | 7                          | 47               | 47            | 10          | 33                      | 7       | 32      | 40           | 378                | 751       | 1,129  | 42                                           | 161    |
| Highley .. .. .                | 1               | 10                 | 1                          | 9                | 10            | 2           | 4                       | 7       | 1       | 8            | 162                | 180       | 342    | 7                                            | 32     |
| Hinstock .. .. .               | 1               | 17                 | 6                          | 16               | 16            | 2           | 7                       | 10      | —       | 12           | 192                | 240       | 432    | 7                                            | 40     |
| Hodnet .. .. .                 | 1               | 11                 | 5                          | 10               | 11            | —           | 9                       | 6       | 3       | 10           | 135                | 165       | 300    | 17                                           | 59     |
| Ironbridge .. .. .             | 3               | 50                 | 10                         | 48               | 49            | 9           | 31                      | 29      | 1       | 39           | 515                | 772       | 1,287  | 23                                           | 104    |
| Kinnerley .. .. .              | 1               | 14                 | 3                          | 13               | 13            | 3           | 10                      | 10      | —       | 11           | 112                | 196       | 308    | 10                                           | 42     |
| Longden .. .. .                | 1               | 16                 | —                          | 16               | 16            | 2           | 9                       | 15      | —       | 16           | 180                | 296       | 476    | 11                                           | 32     |
| Ludlow .. .. .                 | 2               | 37                 | 6                          | 37               | 37            | —           | 22                      | 20      | 15      | 35           | 398                | 575       | 973    | 27                                           | 138    |
| Market Drayton .. .. .         | 2               | 73                 | 10                         | 71               | 72            | 7           | 43                      | 18      | 39      | 62           | 664                | 968       | 1,632  | 53                                           | 204    |
| Moreton Corbet .. .. .         | 1               | 20                 | 3                          | 19               | 20            | 6           | 13                      | 17      | —       | 17           | 184                | 296       | 480    | 28                                           | 90     |
| Morton .. .. .                 | 1§              | 23                 | 1                          | 23               | 23            | 3           | 16                      | 10      | 12      | 22           | 273                | 342       | 615    | 18                                           | 56     |
| Much Wenlock .. .. .           | 1               | 4                  | 1                          | 4                | 4             | —           | 2                       | 3       | —       | 3            | 33                 | 70        | 103    | 4                                            | 24     |
| Munslow .. .. .                | 1               | 12                 | 1                          | 12               | 12            | 3           | 8                       | 8       | —       | 9            | 142                | 205       | 347    | 9                                            | 39     |
| Newport .. .. .                | 2               | 50                 | 6                          | 48               | 49            | 6           | 32                      | 15      | 20      | 43           | 335                | 692       | 1,027  | 47                                           | 241    |
| Oakengates .. .. .             | 3               | 125                | 4                          | 125              | 125           | 22          | 83                      | 8       | 104     | 114          | 1,033              | 1,951     | 2,984  | 54                                           | 229    |
| Oswestry .. .. .               | 3               | 94                 | 2                          | 93               | 94            | 10          | 79                      | 36      | 55      | 92           | 964                | 1,592     | 2,556  | 39                                           | 174    |
| Pontesbury .. .. .             | 1               | 16                 | 1                          | 16               | 16            | 2           | 7                       | 14      | —       | 14           | 174                | 262       | 436    | 13                                           | 52     |
| Prees .. .. .                  | 1               | 21                 | 19                         | —                | 21            | 4           | 14                      | 17      | 3       | 19           | 181                | 357       | 538    | 11                                           | 65     |
| St. Martin's .. .. .           | 1               | 22                 | —                          | 5                | 22            | 5           | 15                      | 21      | —       | 22           | 268                | 318       | 586    | 15                                           | 92     |
| Shifnal .. .. .                | 2               | 28                 | 4                          | 22               | 27            | 4           | 15                      | 26      | —       | 26           | 262                | 394       | 656    | 11                                           | 60     |
| Shrewsbury .. .. .             | 6*              | 416                | 83                         | 408              | 413           | 53          | 335                     | 67      | 324     | 398          | 4,063              | 5,914     | 9,977  | 210                                          | 798    |
| Stiperstones .. .. .           | 1               | 11                 | 3                          | 7                | 10            | —           | 7                       | 9       | —       | 9            | 57                 | 157       | 214    | 22                                           | 62     |
| Stoke-on-Tern .. .. .          | 1               | 19                 | 5                          | 1                | 19            | 3           | 11                      | 14      | 3       | 16           | 340                | 367       | 707    | 20                                           | 114    |
| Stoke St. Milborough .. .. .   | 1               | 9                  | 1                          | 7                | 9             | 2           | 7                       | 7       | —       | 8            | 90                 | 155       | 245    | 7                                            | 40     |
| Sundorne .. .. .               | 1               | 18                 | 4                          | 16               | 18            | 2           | 14                      | 12      | —       | 15           | 138                | 259       | 397    | 17                                           | 53     |
| Tibberton .. .. .              | 2               | 20                 | 3                          | 20               | 20            | 2           | 16                      | 19      | —       | 19           | 202                | 295       | 497    | 6                                            | 23     |
| Trefonen .. .. .               | 1§              | 6                  | 1                          | 6                | 6             | 1           | 5                       | 6       | —       | 6            | 55                 | 87        | 142    | 6                                            | 29     |
| Wellington .. .. .             | 2               | 99                 | 5                          | 96               | 97            | 14          | 73                      | 3       | 58      | 78           | 1,207              | 1,691     | 2,898  | 80                                           | 247    |
| Wem .. .. .                    | 1               | 31                 | 23                         | 30               | 31            | 4           | 28                      | 24      | 7       | 29           | 411                | 446       | 857    | 15                                           | 70     |
| Westbury .. .. .               | 1               | 20                 | 2                          | 20               | 20            | —           | 12                      | 17      | —       | 18           | 186                | 318       | 504    | 8                                            | 25     |
| West Felton .. .. .            | 1               | 29                 | 7                          | 29               | 29            | 4           | 19                      | 23      | —       | 26           | 297                | 424       | 721    | 11                                           | 59     |
| Weston Rhyn .. .. .            | 1               | 9                  | 1                          | 9                | 9             | 1           | 6                       | 8       | —       | 8            | 62                 | 119       | 181    | 16                                           | 37     |
| Whitchurch .. .. .             | 2               | 86                 | 74                         | 27               | 83            | 11          | 66                      | 72      | 9       | 82           | 862                | 1,600     | 2,462  | 13                                           | 100    |
| Whixall .. .. .                | 1               | 25                 | 19                         | 1                | 25            | 5           | 25                      | 24      | 1       | 25           | 251                | 341       | 592    | 16                                           | 45     |
| Wrockwardine .. .. .           | 1               | 17                 | 2                          | 13               | 17            | 5           | 11                      | 16      | —       | 17           | 202                | 266       | 468    | 20                                           | 60     |
| Agency—Radnorshire .. .. .     | 2               | —                  | —                          | —                | —             | —           | —                       | —       | —       | —            | —                  | —         | —      | —                                            | —      |
| Agency—Montgomeryshire .. .. . | 2               | —                  | —                          | —                | —             | —           | —                       | —       | —       | —            | —                  | —         | —      | —                                            | —      |
| TOTAL .. .. .                  | 82              | 2,027              | 424                        | 1,757            | 2,007         | 277         | 1,418                   | 914     | 801     | 1,828        | 20,087             | 30,957    | 51,044 | 1,260                                        | 5,001  |

\*Whole-time Midwives.  
†These figures exclude cases tested and the results of which are not known by the midwife.  
‡Cases receiving one or more forms of analgesia.  
§These nurse-midwives are also employed in the Oswestry Nursing District.  
||Covered by the Burford Nurse.  
§Covered by the Wrockwardine Nurse.



TABLE VII  
Home Nursing Service—Cases attended in 1961

| Nursing District            | Nurses | CASES—CATEGORIES AND VISITS |         |          |        |                     |        |              |        |                        |        |        |        |       |         | Children under 5 at first visit |        | Patients over 65 at first visit |        | Patients with more than 24 visits in year |         | Disposal of Cases  |                        |
|-----------------------------|--------|-----------------------------|---------|----------|--------|---------------------|--------|--------------|--------|------------------------|--------|--------|--------|-------|---------|---------------------------------|--------|---------------------------------|--------|-------------------------------------------|---------|--------------------|------------------------|
|                             |        | Medical                     |         | Surgical |        | Infectious Diseases |        | Tuberculosis |        | Maternal Complications |        | Others |        | Total |         | Cases                           | Visits | Cases                           | Visits | Cases                                     | Visits  | Removed from books | Under care on 31.12.61 |
|                             |        | Cases                       | Visits  | Cases    | Visits | Cases               | Visits | Cases        | Visits | Cases                  | Visits | Cases  | Visits | Cases | Visits  |                                 |        |                                 |        |                                           |         |                    |                        |
| Alberbury .. .              | 1      | 85                          | 1,297   | 6        | 61     | 1                   | 4      | —            | —      | 3                      | 23     | 3      | 7      | 98    | 1,392   | 5                               | 45     | 38                              | 793    | 19                                        | 685     | 79                 | 19                     |
| Albrighton .. .             | 1      | 80                          | 1,995   | 5        | 119    | —                   | —      | —            | —      | 8                      | 68     | —      | —      | 93    | 2,182   | 3                               | 16     | 52                              | 1,749  | 26                                        | 1,564   | 80                 | 31                     |
| Ash .. .                    | 1      | 61                          | 1,103   | 1        | 4      | 2                   | 26     | —            | —      | 1                      | 17     | 2      | 8      | 67    | 1,158   | 18                              | 158    | 20                              | 745    | 11                                        | 727     | 61                 | 6                      |
| Atcham .. .                 | 1      | 71                          | 2,963   | 5        | 68     | —                   | —      | —            | —      | 2                      | 40     | —      | —      | 78    | 3,071   | 1                               | 6      | 41                              | 1,808  | 38                                        | 2,552   | 61                 | 17                     |
| Baschurch .. .              | 1      | 112                         | 951     | 4        | 45     | 3                   | 14     | —            | —      | 2                      | 11     | —      | —      | 121   | 1,021   | 41                              | 207    | 16                              | 154    | 6                                         | 386     | 117                | 4                      |
| Bishop's Castle .. .        | 2      | 43                          | 1,493   | 5        | 71     | 1                   | 2      | —            | —      | —                      | —      | —      | —      | 55    | 1,581   | 5                               | 70     | 33                              | 1,417  | 14                                        | 1,313   | 46                 | 9                      |
| Bomere Heath .. .           | 1      | 60                          | 949     | 6        | 66     | —                   | —      | —            | —      | —                      | —      | —      | —      | 8     | 1,017   | 5                               | 14     | 35                              | 662    | 12                                        | 688     | 58                 | 10                     |
| Bridgnorth .. .             | 3      | 205                         | 4,604   | 14       | 204    | 1                   | 8      | 1            | 132    | 2                      | 8      | 3      | 2      | 226   | 4,959   | 4                               | 19     | 151                             | 3,631  | 52                                        | 3,685   | 179                | 47                     |
| Burford .. .                | 1      | 22                          | 448     | 3        | 39     | 2                   | 21     | —            | —      | —                      | —      | —      | —      | 29    | 510     | —                               | —      | 16                              | 322    | 4                                         | 263     | 28                 | 1                      |
| Chirbury .. .               | 1      | 18                          | 467     | 2        | 52     | —                   | —      | —            | —      | —                      | —      | —      | —      | 20    | 509     | 1                               | 6      | 11                              | 411    | 3                                         | 369     | 16                 | 4                      |
| Church Stretton .. .        | 2      | 325                         | 5,374   | 21       | 337    | 4                   | 38     | 1            | 3      | 1                      | 7      | 17     | 28     | 369   | 5,787   | 43                              | 172    | 132                             | 4,128  | 51                                        | 4,242   | 322                | 47                     |
| Claverley .. .              | 1      | 37                          | 1,041   | 3        | 37     | —                   | —      | 1            | 54     | —                      | —      | —      | —      | 41    | 1,132   | —                               | —      | 29                              | 1,049  | 16                                        | 932     | 31                 | 10                     |
| Clee Hill .. .              | 1      | 22                          | 680     | 4        | 66     | —                   | —      | —            | —      | 1                      | 6      | 1      | 1      | 28    | 753     | 2                               | 33     | 17                              | 549    | 13                                        | 642     | 20                 | 8                      |
| Cleobury Mortimer .. .      | 2      | 83                          | 1,418   | 6        | 133    | —                   | —      | —            | —      | 3                      | 13     | 2      | 2      | 94    | 1,566   | 6                               | 21     | 38                              | 868    | 13                                        | 1,153   | 80                 | 14                     |
| Clun .. .                   | 1      | 109                         | 2,132   | 7        | 41     | 2                   | 5      | —            | —      | 7                      | 36     | —      | —      | 125   | 2,214   | 9                               | 32     | 69                              | 1,736  | 22                                        | 1,623   | 98                 | 27                     |
| Craven Arms .. .            | 1      | 78                          | 1,416   | 16       | 679    | 4                   | 42     | —            | —      | 4                      | 39     | 1      | 5      | 103   | 2,181   | 13                              | 95     | 32                              | 1,189  | 15                                        | 1,443   | 94                 | 9                      |
| Dawley .. .                 | 2      | 104                         | 2,259   | 12       | 138    | —                   | —      | 2            | 125    | 8                      | 49     | 15     | 17     | 141   | 2,588   | 2                               | 13     | 66                              | 1,491  | 26                                        | 1,909   | 124                | 17                     |
| Donnington .. .             | 2      | 103                         | 2,265   | 17       | 173    | 1                   | 45     | 2            | 51     | 1                      | 3      | 13     | 14     | 137   | 2,551   | 9                               | 85     | 60                              | 1,333  | 31                                        | 1,937   | 108                | 29                     |
| Dorrington .. .             | 1      | 88                          | 1,185   | 4        | 61     | 1                   | 3      | —            | —      | 2                      | 7      | 5      | 5      | 100   | 1,261   | 24                              | 104    | 45                              | 818    | 9                                         | 790     | 89                 | 11                     |
| Ellesmere .. .              | 1      | 53                          | 1,378   | 4        | 62     | —                   | —      | —            | —      | —                      | —      | —      | —      | 59    | 1,442   | —                               | —      | 40                              | 1,211  | 20                                        | 1,214   | 43                 | 16                     |
| Gobowen .. .                | 1      | 45                          | 1,258   | —        | —      | —                   | —      | —            | —      | 3                      | 29     | 3      | 4      | 51    | 1,291   | 5                               | 31     | 33                              | 775    | 13                                        | 1,071   | 38                 | 13                     |
| Hadley .. .                 | 1      | 74                          | 1,817   | 11       | 169    | —                   | —      | 4            | 117    | 3                      | 61     | —      | —      | 92    | 2,164   | 8                               | 50     | 35                              | 995    | 29                                        | 1,530   | 71                 | 27                     |
| Higley .. .                 | 1      | 34                          | 900     | 3        | 83     | —                   | —      | 1            | 65     | —                      | —      | 1      | 1      | 39    | 1,049   | 6                               | 56     | 20                              | 502    | 12                                        | 873     | 35                 | 4                      |
| Hinstock .. .               | 1      | 52                          | 718     | 3        | 36     | —                   | —      | —            | —      | 2                      | 26     | 2      | —      | 57    | 756     | 12                              | 72     | 18                              | 232    | 5                                         | 461     | 49                 | 8                      |
| Hodnet .. .                 | 1      | 70                          | 912     | 6        | 132    | —                   | —      | —            | —      | 2                      | 5      | 1      | 2      | 79    | 1,051   | 7                               | 18     | 31                              | 831    | 10                                        | 735     | 75                 | 6                      |
| Ironbridge .. .             | 3      | 146                         | 4,533   | 11       | 249    | 2                   | 14     | —            | —      | 4                      | 23     | 6      | 7      | 169   | 4,826   | 5                               | 137    | 85                              | 3,753  | 45                                        | 3,835   | 149                | 20                     |
| Kinnerley .. .              | 1      | 53                          | 733     | 6        | 65     | 2                   | 7      | —            | —      | 1                      | 7      | 2      | 4      | 64    | 816     | 18                              | 77     | 27                              | 513    | 10                                        | 490     | 56                 | 8                      |
| Longden .. .                | 1      | 36                          | 740     | 2        | 4      | 1                   | 5      | —            | —      | 1                      | 41     | 5      | 5      | 45    | 795     | 1                               | 3      | 32                              | 691    | 7                                         | 542     | 40                 | 5                      |
| Ludlow .. .                 | 3†     | 109                         | 3,243   | 9        | 246    | 1                   | 14     | 1            | 52     | 2                      | 14     | 10     | 24     | 132   | 3,593   | 7                               | 52     | 86                              | 2,238  | 42                                        | 2,846   | 93                 | 39                     |
| Market Drayton .. .         | 2      | 82                          | 2,357   | 6        | 64     | —                   | —      | 2            | 30     | 8                      | 96     | 8      | 21     | 106   | 2,568   | 3                               | 20     | 56                              | 1,727  | 27                                        | 1,995   | 84                 | 22                     |
| Moreton Corbet .. .         | 1      | 43                          | 560     | 5        | 332    | —                   | —      | —            | —      | 1                      | 1      | 3      | 3      | 52    | 896     | —                               | —      | 37                              | 569    | 11                                        | 653     | 39                 | 13                     |
| Morton .. .                 | 1‡     | 83                          | 3,434   | 4        | 37     | —                   | —      | 1            | 29     | 2                      | 22     | 5      | 10     | 95    | 3,532   | 3                               | 20     | 56                              | 2,895  | 25                                        | 2,971   | 77                 | 18                     |
| Much Wenlock .. .           | 1      | 53                          | 2,392   | 2        | 43     | —                   | —      | —            | —      | —                      | —      | —      | —      | 56    | 2,436   | 2                               | 7      | 34                              | 2,130  | 20                                        | 2,197   | 43                 | 13                     |
| Munslow .. .                | 1      | 51                          | 582     | 2        | 39     | 1                   | 10     | —            | —      | 2                      | 20     | —      | —      | 56    | 651     | 10                              | 87     | 15                              | 276    | 5                                         | 187     | 54                 | 2                      |
| Newport .. .                | 2      | 56                          | 1,286   | 10       | 135    | —                   | —      | —            | —      | 2                      | 14     | —      | —      | 68    | 1,435   | 1                               | 3      | 38                              | 831    | 14                                        | 1,014   | 56                 | 12                     |
| Oakengates .. .             | 3      | 170                         | 4,019   | 11       | 129    | —                   | —      | 4            | 358    | 2                      | 38     | 15     | 18     | 202   | 4,562   | 8                               | 63     | 108                             | 2,608  | 63                                        | 3,439   | 153                | 49                     |
| Oswestry .. .               | 3      | 488                         | 9,935   | 38       | 926    | 2                   | 15     | 1            | 2      | 21                     | 136    | 8      | 9      | 558   | 11,033  | 39                              | 329    | 223                             | 6,408  | 95                                        | 7,657   | 495                | 63                     |
| Pontesbury .. .             | 1      | 56                          | 1,727   | 4        | 128    | —                   | —      | —            | —      | 2                      | 15     | 1      | 1      | 63    | 1,871   | 2                               | 12     | 34                              | 1,529  | 18                                        | 1,561   | 50                 | 13                     |
| Prees .. .                  | 1      | 59                          | 954     | 5        | 153    | 2                   | 21     | 1            | 93     | 1                      | 12     | 3      | 5      | 71    | 1,238   | 4                               | 26     | 34                              | 740    | 18                                        | 753     | 54                 | 17                     |
| St. Martin's .. .           | 1      | 98                          | 1,214   | 3        | 24     | —                   | —      | —            | —      | 2                      | 4      | 5      | 6      | 108   | 1,248   | 3                               | 6      | 59                              | 920    | 15                                        | 661     | 93                 | 15                     |
| Shifnal .. .                | 2      | 98                          | 3,154   | 8        | 165    | 1                   | 19     | —            | —      | 2                      | 12     | 1      | 5      | 110   | 3,355   | 2                               | 12     | 55                              | 2,146  | 32                                        | 2,653   | 87                 | 23                     |
| Shrewsbury .. .             | 6*     | 664                         | 23,978  | 103      | 2,396  | 10                  | 321    | 5            | 424    | 16                     | 128    | 66     | 87     | 864   | 27,334  | 47                              | 416    | 523                             | 20,117 | 255                                       | 22,894  | 680                | 184                    |
| Stiperstones .. .           | 1      | 17                          | 276     | —        | —      | —                   | —      | —            | —      | —                      | —      | 1      | 2      | 18    | 278     | 1                               | 1      | 14                              | 247    | 3                                         | 178     | 12                 | 6                      |
| Stoke-on-Tern .. .          | 1      | 41                          | 695     | 1        | 4      | —                   | —      | —            | —      | 6                      | 79     | —      | —      | 48    | 778     | 10                              | 55     | 9                               | 408    | 5                                         | 451     | 41                 | 7                      |
| Stoke St. Milborough .. .   | 1      | 34                          | 932     | 6        | 80     | 1                   | 3      | —            | —      | 2                      | 4      | —      | —      | 43    | 1,019   | 5                               | 23     | 25                              | 844    | 9                                         | 786     | 39                 | 4                      |
| Sundorne .. .               | 1      | 41                          | 998     | 6        | 85     | 2                   | 6      | —            | —      | 4                      | 20     | 1      | 1      | 54    | 1,110   | 4                               | 12     | 24                              | 787    | 11                                        | 763     | 39                 | 15                     |
| Tibberton .. .              | 1      | 21                          | 539     | 2        | 54     | —                   | —      | —            | —      | —                      | —      | 1      | 1      | 24    | 594     | 1                               | 7      | 11                              | 211    | 5                                         | 423     | 14                 | 10                     |
| Trefonen .. .               | 1‡     | 26                          | 899     | 5        | 126    | —                   | —      | —            | —      | 3                      | 19     | —      | —      | 34    | 1,044   | 2                               | 6      | 17                              | 727    | 12                                        | 866     | 29                 | 5                      |
| Wellington .. .             | 2      | 185                         | 4,695   | 20       | 300    | —                   | —      | —            | —      | 9                      | 65     | 10     | 19     | 224   | 5,079   | 13                              | 103    | 96                              | 2,983  | 62                                        | 3,541   | 186                | 38                     |
| Wem .. .                    | 1      | 89                          | 2,359   | 9        | 119    | —                   | —      | —            | —      | 8                      | 48     | 6      | 9      | 112   | 2,535   | 8                               | 45     | 59                              | 1,631  | 22                                        | 1,853   | 94                 | 18                     |
| Westbury .. .               | 1      | 44                          | 1,052   | 2        | 9      | —                   | —      | —            | —      | 3                      | 16     | —      | —      | 49    | 1,077   | 2                               | 15     | 25                              | 802    | 10                                        | 765     | 33                 | 16                     |
| West Felton .. .            | 1      | 106                         | 868     | 7        | 249    | 6                   | 25     | —            | —      | 2                      | 26     | 1      | 6      | 122   | 1,174   | 25                              | 94     | 16                              | 465    | 8                                         | 615     | 119                | 3                      |
| Weston Rhyn .. .            | 1      | 55                          | 732     | 4        | 36     | —                   | —      | —            | —      | 2                      | 5      | —      | —      | 61    | 773     | 9                               | 51     | 19                              | 534    | 4                                         | 395     | 55                 | 6                      |
| Whitchurch .. .             | 2      | 67                          | 2,211   | 7        | 102    | 3                   | 111    | 1            | 55     | —                      | —      | 9      | 16     | 87    | 2,495   | 2                               | 1      | 68                              | 2,141  | 29                                        | 2,018   | 64                 | 23                     |
| Whixall .. .                | 1      | 104                         | 1,118   | 9        | 113    | 2                   | 6      | —            | —      | 9                      | 63     | 2      | 4      | 126   | 1,304   | 19                              | 59     | 37                              | 607    | 12                                        | 638     | 118                | 8                      |
| Wrockwardine .. .           | 1      | 25                          | 675     | 7        | 148    | —                   | —      | —            | —      | —                      | —      | 2      | 2      | 34    | 825     | 3                               | 22     | 18                              | 501    | 9                                         | 616     | 23                 | 11                     |
| Agency—Radnorshire .. .     | 2      | 29                          | 405     | 1        | 3      | —                   | —      | —            | —      | 1                      | 1      | —      | —      | 31    | 409     | 1                               | 1      | 14                              | 259    | 5                                         | 235     | 25                 | 6                      |
| Agency—Montgomeryshire .. . | 2      | —                           | —       | —        | —      | —                   | —      | —            | —      | —                      | —      | —      | —      | —     | —       | —                               | —      | —                               | —      | —                                         | —       | —                  | —                      |
| TOTAL .. .                  | 83     | 5,263                       | 124,308 | 483      | 9,449  | 58                  | 785    | 28           | 1,590  | 175                    | 1,359  | 249    | 378    | 6,256 | 137,869 | 488                             | 3,089  | 3,032                           | 92,637 | 1,378                                     | 103,278 | 5,194              | 1,062                  |

\*Whole-time Home Nurses.

†Includes one whole-time Home Nurse.

‡These Nurses are also employed in the Oswestry Nursing District.

§Area covered by Burford Nurse.

||Area covered by Wrockwardine Nurse.

TABLE VIII  
Home Nursing Service—Analysis by Sex and Age Groups of Cases attended in 1961

| DISEASE                                            | CASES |         | MALES |     |     |     |     |     |     |     |     |     |     |     | FEMALES |     |     |     |     |     |       |  |  |  |  |  |
|----------------------------------------------------|-------|---------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-------|--|--|--|--|--|
|                                                    | Males | Females | Total | 0—  | 5—  | 15— | 25— | 35— | 45— | 55— | 65— | 75— | 0—  | 5—  | 15—     | 25— | 35— | 45— | 55— | 65— | 75—   |  |  |  |  |  |
|                                                    |       |         |       |     |     |     |     |     |     |     |     |     |     |     |         |     |     |     |     |     |       |  |  |  |  |  |
| Tuberculosis, all forms                            | 11    | 17      | 28    | —   | 1   | —   | 2   | —   | 2   | 2   | —   | 1   | —   | —   | 3       | 3   | 6   | 2   | 1   | 2   | —     |  |  |  |  |  |
| Other infectious diseases                          | 23    | 35      | 58    | 9   | 8   | —   | —   | —   | —   | —   | —   | 36  | 7   | 3   | 1       | 3   | 3   | 3   | 2   | 7   | 6     |  |  |  |  |  |
| Parasitic diseases                                 | 2     | —       | 2     | —   | —   | 2   | —   | —   | —   | 35  | 38  | —   | —   | 2   | 1       | —   | —   | 19  | 38  | 42  |       |  |  |  |  |  |
| Malignant and lymphatic neoplasms                  | 125   | 151     | 276   | —   | —   | —   | 3   | 4   | 9   | —   | —   | 20  | —   | —   | —       | —   | 4   | 7   | 5   | 3   |       |  |  |  |  |  |
| Asthma                                             | 6     | 22      | 28    | 1   | 4   | —   | —   | —   | —   | 5   | 11  | 1   | —   | 1   | 1       | 4   | 1   | 3   | 12  | 37  |       |  |  |  |  |  |
| Diabetes mellitus                                  | 45    | 85      | 130   | 1   | —   | 2   | 2   | 1   | 3   | 15  | 32  | 38  | —   | —   | 9       | 16  | 17  | 49  | 65  | 119 |       |  |  |  |  |  |
| Anaemia                                            | 97    | 414     | 511   | —   | —   | —   | —   | 3   | 9   | 24  | 42  | 70  | —   | —   | 1       | —   | 1   | 6   | 14  | 68  |       |  |  |  |  |  |
| Vascular lesions affecting central nervous system  | 141   | 217     | 358   | —   | —   | —   | —   | 1   | 4   | 11  | 11  | 1   | 1   | 1   | —       | 4   | 9   | 8   | 13  | 20  |       |  |  |  |  |  |
| Other mental and nervous diseases                  | 26    | 69      | 95    | 1   | 1   | 3   | 2   | 2   | 3   | 4   | —   | 4   | 2   | 3   | 1       | —   | —   | 7   | 10  | 8   |       |  |  |  |  |  |
| Diseases of the eye                                | 21    | 27      | 48    | 7   | 2   | 12  | 7   | 1   | 1   | 3   | 3   | 4   | 4   | 15  | 9       | 14  | 9   | 6   | 6   | 3   |       |  |  |  |  |  |
| Diseases of the ear                                | 52    | 73      | 125   | 7   | 9   | —   | 7   | 7   | 3   | 26  | 43  | 93  | 1   | 2   | 2       | 3   | 6   | 18  | 35  | 93  |       |  |  |  |  |  |
| Diseases of the heart and arteries                 | 180   | 294     | 474   | 1   | —   | —   | 1   | 1   | 15  | 4   | 13  | 22  | 1   | 1   | —       | 5   | 10  | 25  | 31  | 44  |       |  |  |  |  |  |
| Diseases of the veins                              | 52    | 166     | 218   | —   | 2   | —   | 3   | 2   | 6   | 4   | 6   | 7   | 26  | 24  | 17      | 13  | 9   | 20  | 12  | 41  |       |  |  |  |  |  |
| Upper respiratory diseases                         | 93    | 146     | 239   | 22  | 21  | 9   | 8   | 6   | 6   | 8   | 6   | 7   | 24  | 24  | 3       | 9   | 15  | 22  | 12  | 13  |       |  |  |  |  |  |
| Other respiratory diseases                         | 154   | 218     | 372   | 28  | 3   | 4   | 2   | —   | 11  | 21  | 32  | 53  | 24  | 3   | 5       | 14  | 9   | 15  | 22  | 41  |       |  |  |  |  |  |
| Constipation                                       | 115   | 155     | 270   | 13  | 3   | 3   | 1   | 2   | 9   | 9   | 25  | 50  | 16  | 10  | 6       | 4   | 11  | 16  | 15  | 31  |       |  |  |  |  |  |
| Other diseases of digestive system                 | 137   | 188     | 325   | 14  | 12  | 8   | 12  | 13  | 19  | 18  | 30  | 11  | 13  | 9   | 6       | 11  | 20  | 32  | 34  | 29  |       |  |  |  |  |  |
| Diseases of urinary system and male genital organs | 153   | —       | 153   | 80  | 11  | 1   | 1   | —   | 3   | 6   | 18  | 33  | 6   | —   | —       | 42  | 35  | 37  | 49  | 134 |       |  |  |  |  |  |
| Diseases of breast and female genital organs       | —     | 469     | 469   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 2   | 44      | 41  | 99  | 34  | —   | —   |       |  |  |  |  |  |
| Complications of pregnancy and puerperium          | 175   | 175     | 350   | —   | —   | —   | 12  | 12  | 14  | 16  | 19  | 15  | 26  | 26  | 15      | 23  | 31  | 34  | 43  | 35  |       |  |  |  |  |  |
| Diseases of skin and subcutaneous tissues          | 158   | 277     | 435   | 41  | 20  | 9   | 2   | 2   | 4   | 5   | 5   | 18  | —   | —   | 1       | 3   | 8   | 10  | 24  | 42  |       |  |  |  |  |  |
| Diseases of bones, joints and muscles              | 39    | 145     | 184   | —   | —   | 3   | 2   | 2   | 4   | 5   | 10  | 17  | 39  | 53  | 26      | 24  | 25  | 39  | 49  | 50  |       |  |  |  |  |  |
| Injuries                                           | 243   | 370     | 613   | 49  | 74  | 32  | 10  | 14  | 22  | 15  | 3   | 53  | —   | —   | 7       | 15  | 12  | 4   | 1   | 7   |       |  |  |  |  |  |
| Senility                                           | 56    | 184     | 240   | —   | —   | —   | —   | —   | —   | —   | —   | —   | 20  | 12  | 7       | 7   | 20  | 36  | 13  | 18  |       |  |  |  |  |  |
| Other defined and ill-defined diseases             | 64    | 115     | 179   | 26  | 15  | 2   | 1   | 3   | 4   | 5   | 4   | 4   | 3   | —   | —       | —   | —   | —   | 14  | 39  |       |  |  |  |  |  |
| Diseases not specified                             | 93    | 158     | 251   | —   | 1   | 1   | 12  | 13  | 11  | 24  | 23  | 8   | 3   | —   | 7       | 7   | 7   | 20  | 36  | 10  |       |  |  |  |  |  |
| TOTAL                                              | 2,086 | 4,170   | 6,256 | 300 | 187 | 93  | 80  | 89  | 158 | 250 | 373 | 556 | 188 | 165 | 202     | 308 | 289 | 391 | 524 | 875 | 1,228 |  |  |  |  |  |



TABLE IX  
Home Nursing Service—Cases Completed in 1961—Duration of Treatment, Visits and Disposal

| DISEASE                                            | TOTAL CASES | DURATION OF TREATMENT |                         | VISITS  |       | DISPOSAL OF CASES         |                                     |                                      |      |           |                                      |                                 |              |        |
|----------------------------------------------------|-------------|-----------------------|-------------------------|---------|-------|---------------------------|-------------------------------------|--------------------------------------|------|-----------|--------------------------------------|---------------------------------|--------------|--------|
|                                                    |             | Length (days)         | Average per case (days) | Total   |       | Average per case per week | Recovered, relieved or convalescent | Admitted to hospital or nursing home | Died | Gone away | Out-patient, X-ray, own doctor, etc. | Treatment undertaken by patient | Discontinued | Others |
|                                                    |             |                       |                         | Day     | Night |                           |                                     |                                      |      |           |                                      |                                 |              |        |
| Tuberculosis, all forms                            | 24          | 1,447                 | 60                      | 1,052   | —     | 4.4                       | 11                                  | 8                                    | —    | 1         | 3                                    | —                               | 1            | —      |
| Other infectious diseases                          | 54          | 1,561                 | 29                      | 674     | 2     | 12.5                      | 45                                  | 4                                    | —    | —         | 4                                    | 1                               | —            | —      |
| Parasitic diseases                                 | 2           | 3                     | 1.5                     | 2       | —     | 1.0                       | —                                   | —                                    | —    | —         | 2                                    | —                               | —            | —      |
| Malignant and lymphatic neoplasms                  | 242         | 19,889                | 82                      | 11,391  | 43    | 47.3                      | 31                                  | 63                                   | 132  | 8         | 3                                    | 2                               | —            | 3      |
| Asthma                                             | 18          | 2,021                 | 112                     | 455     | —     | 25.3                      | 15                                  | 1                                    | —    | —         | 1                                    | —                               | —            | —      |
| Diabetes mellitus                                  | 82          | 18,376                | 224                     | 16,251  | 7     | 198.0                     | 23                                  | 22                                   | 8    | 15        | 2                                    | 12                              | —            | —      |
| Anaemia                                            | 223         | 68,578                | 308                     | 10,650  | —     | 47.4                      | 115                                 | 36                                   | 19   | 39        | 10                                   | —                               | —            | —      |
| Vascular lesions affecting central nervous system  | 298         | 18,817                | 63                      | 8,414   | 31    | 28.3                      | 71                                  | 81                                   | 129  | 15        | —                                    | 1                               | —            | 1      |
| Other mental and nervous diseases                  | 53          | 16,567                | 313                     | 5,972   | 5     | 112.8                     | 11                                  | 17                                   | 10   | 9         | 3                                    | 4                               | 2            | —      |
| Diseases of the eye                                | 41          | 2,360                 | 58                      | 2,790   | —     | 68.0                      | 27                                  | 4                                    | —    | —         | 6                                    | 4                               | —            | —      |
| Diseases of the ear                                | 117         | 2,456                 | 21                      | 1,191   | —     | 10.2                      | 95                                  | 9                                    | —    | 2         | 9                                    | —                               | —            | —      |
| Diseases of the heart and arteries                 | 371         | 41,021                | 111                     | 15,541  | 22    | 41.9                      | 118                                 | 102                                  | 121  | 17        | 10                                   | —                               | 2            | —      |
| Diseases of the veins                              | 155         | 19,970                | 129                     | 9,052   | 24    | 58.6                      | 107                                 | 26                                   | 3    | 9         | 9                                    | 1                               | 3            | —      |
| Upper respiratory diseases                         | 234         | 1,648                 | 7                       | 1,408   | 3     | 6.0                       | 212                                 | 6                                    | —    | 3         | 12                                   | —                               | —            | —      |
| Other respiratory diseases                         | 341         | 8,578                 | 25                      | 4,805   | 7     | 14.1                      | 250                                 | 44                                   | 38   | 4         | 2                                    | 1                               | 1            | 2      |
| Constipation                                       | 255         | 2,085                 | 8                       | 885     | 2     | 3.5                       | 227                                 | 15                                   | —    | 3         | 6                                    | —                               | —            | —      |
| Other diseases of digestive system                 | 288         | 7,533                 | 26                      | 4,466   | 7     | 15.5                      | 186                                 | 37                                   | 10   | 11        | 43                                   | —                               | 1            | —      |
| Diseases of urinary system and male genital organs | 146         | 11,369                | 78                      | 4,430   | 2     | 30.4                      | 115                                 | 18                                   | 10   | 2         | 1                                    | —                               | —            | —      |
| Diseases of breast and female genital organs       | 412         | 16,852                | 41                      | 2,772   | 17    | 6.8                       | 336                                 | 19                                   | 4    | 6         | 38                                   | 5                               | 4            | —      |
| Complications of pregnancy and puerperium          | 171         | 1,872                 | 11                      | 1,318   | 13    | 7.8                       | 110                                 | 54                                   | —    | 4         | 17                                   | 2                               | —            | —      |
| Diseases of skin and subcutaneous tissues          | 402         | 11,639                | 290                     | 4,858   | —     | 14.6                      | 353                                 | 21                                   | —    | 9         | 17                                   | —                               | —            | —      |
| Diseases of bones, joints and muscles              | 101         | 30,922                | 306                     | 10,083  | 5     | 99.9                      | 47                                  | 35                                   | 7    | 8         | 3                                    | —                               | —            | —      |
| Injuries                                           | 580         | 10,829                | 19                      | 5,694   | 4     | 9.8                       | 479                                 | 29                                   | 5    | 15        | 47                                   | 4                               | —            | —      |
| Senility                                           | 168         | 31,779                | 189                     | 11,935  | 11    | 71.1                      | 18                                  | 70                                   | 61   | 15        | —                                    | 4                               | —            | 1      |
| Other defined and ill-defined diseases             | 166         | 6,336                 | 38                      | 2,054   | 3     | 12.4                      | 107                                 | 24                                   | —    | 1         | 31                                   | 1                               | 2            | —      |
| Diseases not specified                             | 250         | 535                   | 2                       | 406     | 1     | 1.6                       | 19                                  | 6                                    | 1    | —         | 223                                  | —                               | 1            | —      |
| TOTAL                                              | 5,194       | 355,043               | 68                      | 138,549 | 209   | 26.7                      | 3,128                               | 751                                  | 562  | 196       | 486                                  | 39                              | 23           | 9      |

TABLE X: Housing—Summary of Answers to Questionnaires

|                                                                                                                                            | Acton R. | Bishop's Castle B. | Brighthelm B. | Brighthelm R. | Church Terrace U. | Clun R. | Clun U. | Drayton R. | Ellersmere U. | Ellersmere R. | Ludlow B. | Ludlow R. | Market Drayton U. | Newport U. | Oakington U. | Ovestrey B. | Ovestrey R. | Shifnal R. | Shrewsbury B. | Willington U. | Willington R. | Wren U. | Wren R. | Wrelock B. | Whitchurch U. |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|---------------|---------------|-------------------|---------|---------|------------|---------------|---------------|-----------|-----------|-------------------|------------|--------------|-------------|-------------|------------|---------------|---------------|---------------|---------|---------|------------|---------------|--|
| Estimated Population Mid-Year                                                                                                              | 22,450   | 1,229              | 7,550         | 15,100        | 2,700             | 8,510   | 9,600   | 9,760      | 2,250         | 7,470         | 6,690     | 13,242    | 5,730             | 4,390      | 12,158       | 11,380      | 19,198      | 14,830     | 49,810        | 14,040        | 26,290        | 2,530   | 12,390  | 15,080     | 7,100         |  |
| Total number of permanent dwellings in District                                                                                            | 6,951    | 432                | 2,627         | 4,282         | 954               | 3,078   | 3,094   | 2,487      | 757           | 2,121         | 2,256     | 4,382     | 2,003             | 1,451      | 4,134        | 3,825       | 5,232       | 3,593      | 15,207        | 4,283         | 7,535         | 883     | 3,289   | 4,734      | 2,324         |  |
| Total number of permanent dwellings owned by Local Authority                                                                               | 1,034    | 80                 | 711           | 490           | 147               | 257     | 1,281   | 449        | 199           | 264           | 542       | 459       | 554               | 481        | 1,474        | 933         | 1,110       | 859        | 4,313         | 1,634         | 3,036         | 315     | 490     | 1,233      | 739           |  |
| <b>HOUSING ACT, 1957</b>                                                                                                                   |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| <b>Houses dealt with in Clearance Areas during the year 1961:</b>                                                                          |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| (a) Unfit for human habitation included in clearance areas                                                                                 | —        | —                  | 16            | —             | 4                 | —       | 11      | —          | —             | —             | —         | —         | —                 | 10         | 12           | 7           | —           | 9          | 126           | 31            | 25            | —       | —       | 29         | —             |  |
| (b) Number of houses demolished                                                                                                            | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | 55            | 17            | —             | —       | —       | 26         | —             |  |
| Houses by reason of bad arrangement:                                                                                                       | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (a) Included in clearance areas                                                                                                            | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Demolished                                                                                                                             | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Houses demolished on land acquired under Section 43(2)                                                                                     | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Other than in Clearance Areas:</b>                                                                                                      |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Houses demolished as a result of formal or informal procedure under Section 17(1)                                                          | 15       | —                  | 3             | 1             | —                 | 2       | 1       | 3          | —             | 4             | 4         | 6         | 21                | 20         | 12           | —           | 7           | 13         | 18            | 5             | 15            | —       | 3       | 3          | 6             |  |
| Local Authority owned houses certified unfit by M.O.H.; Number demolished                                                                  | 13       | —                  | —             | —             | 2                 | —       | —       | 5          | —             | —             | —         | —         | —                 | —          | 7            | —           | —           | —          | 3             | —             | —             | —       | —       | —          | —             |  |
| Unfit houses included in Unfitness Orders                                                                                                  | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Unfit houses closed:</b>                                                                                                                |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Number of houses closed under Sections 16(4), 17(1) and 35(1)                                                                              | 49       | —                  | 5             | 6             | 4                 | —       | 10      | 3          | —             | 17            | 2         | 18        | 3                 | —          | 1            | 1           | 3           | 3          | 11            | 3             | 2             | —       | 4       | 24         | 38            |  |
| Number of houses closed under Sections 17(3) and 26                                                                                        | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Parts of buildings closed under Section 18                                                                                                 | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Unfit houses made fit:</b>                                                                                                              |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Houses in which defects were remedied by owner and after informal action by local authority:                                               | 30       | 1                  | 19            | —             | —                 | 5       | 4       | 69         | 5             | 15            | —         | 25        | 2                 | —          | —            | —           | 10          | 10         | —             | 12            | 96            | —       | —       | 25         | 7             |  |
| Under Section 9:                                                                                                                           | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By Owner                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By Local Authority                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Under Section 16:                                                                                                                          | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By Owner                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Under Section 24:                                                                                                                          | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By Owner                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Unfit houses for temporary accommodation:                                                                                                  | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Retained for temporary accommodation under Section 48                                                                                      | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Retained for temporary accommodation under Section 17(2)                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Retained for temporary accommodation under Section 46                                                                                      | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>License for temporary accommodation:</b>                                                                                                |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Number of licences issued under Sections 34 and 53                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Purchase of houses by agreement:</b>                                                                                                    |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Number of houses in clearance area other than those included in confirmed clearance orders or compulsory purchase orders: Number purchased | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | 14            | —       | —       | —          | —             |  |
| Number of houses where defects were remedied after service of formal notices under Public Health Acts:                                     | 8        | —                  | 1             | 4             | 1                 | —       | 9       | —          | —             | —             | —         | —         | —                 | —          | —            | 1           | 53          | 2          | 10            | —             | 1             | 2       | 1       | 4          | —             |  |
| (a) By Owners                                                                                                                              | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) By Local Authorities                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Number of unfit defective houses rendered fit by informal action under the Public Health Act:                                              | 18       | 10                 | 12            | 9             | —                 | 4       | 1       | 103        | 75            | 1             | 12        | —         | 4                 | 19         | 93           | 53          | 45          | 41         | 35            | 19            | 96            | 1       | 8       | —          | 45            |  |
| Estimated number of houses still unfit for human habitation:                                                                               | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| To be dealt with by demolition                                                                                                             | 150      | —                  | 60            | 136           | —                 | 268     | 286     | 42         | 15            | 133           | 220       | 245       | 113               | 50         | 224          | 250         | 290         | 100        | 200           | 205           | 122           | 20      | 50      | —          |               |  |
| To be dealt with by reconditioning                                                                                                         | 1,500    | 35                 | 240           | —             | —                 | 900     | 900     | 23         | —             | 144           | 10        | —         | 186               | —          | 80           | 1,050       | 445         | —          | 200           | 111           | —             | 30      | 370     | —          | —             |  |
| <b>Overcrowding:</b>                                                                                                                       |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Number of houses overcrowded at 31st December, 1961                                                                                        | 4        | —                  | 5             | —             | —                 | —       | —       | 2          | —             | —             | —         | —         | 8                 | —          | 120          | 2           | —           | —          | 5             | —             | —             | —       | —       | —          | —             |  |
| Number of overcrowded families rehoused during the year                                                                                    | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Number of temporary housing units occupied on 31st December, 1961:                                                                         | 46       | —                  | 10            | —             | —                 | 14      | 20      | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (a) Prefabs                                                                                                                                | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Huts                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Houses erected during the year:</b>                                                                                                     |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| By Local Authority for:                                                                                                                    | 26       | —                  | 24            | 5             | —                 | —       | 6       | 10         | —             | —             | 5         | —         | 2                 | —          | 10           | 39          | 29          | —          | 25            | 156           | 7             | —       | —       | 10         | —             |  |
| (a) Slum clearance                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Other purposes                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By private enterprise for:                                                                                                                 | 174      | 2                  | 126           | 43            | 17                | 12      | 113     | 8          | 5             | 3             | 34        | 25        | 37                | 85         | 179          | 29          | 37          | 96         | —             | 136           | 94            | 16      | 61      | —          | 31            |  |
| (a) Slum clearance                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Other purposes                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Houses in course of erection:</b>                                                                                                       |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| By Local Authority for:                                                                                                                    | 94       | —                  | —             | —             | —                 | —       | 5       | 7          | —             | —             | 25        | —         | 67                | —          | 6            | 33          | 29          | —          | 328           | 566           | —             | —       | —       | 62         | 44            |  |
| (a) Slum clearance                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Other purposes                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| By private enterprise for:                                                                                                                 | 150      | 3                  | 30            | 43            | 19                | 12      | 116     | 10         | 10            | 13            | 5         | 27        | 19                | 96         | 146          | 33          | 2           | 94         | —             | 112           | 113           | 6       | 40      | —          | 9             |  |
| (a) Slum clearance                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| (b) Other purposes                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Houses or flats gained from conversion of large houses or buildings into houses or flats:</b>                                           |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| By Local Authority                                                                                                                         | —        | —                  | 11            | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Private enterprise                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Lost from conversion of two or more houses into one by:</b>                                                                             |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Local Authority                                                                                                                            | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Private enterprise                                                                                                                         | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Post-war houses erected from 1st April, 1945, to 31st December, 1961, by:</b>                                                           |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Local Authority                                                                                                                            | 797      | 32                 | 574           | 424           | 88                | 142     | 876     | 249        | 141           | 190           | 367       | 362       | 317               | 327        | 1,166        | 612         | 873         | 539        | —             | 1,765         | 1,535         | 231     | 330     | —          | 423           |  |
| Private enterprise                                                                                                                         | —        | —                  | 439           | 390           | 152               | 110     | 293     | 123        | 50            | 21            | 208       | 211       | 214               | 275        | 449          | 272         | 439         | —          | —             | 743           | 47            | 226     | —       | —          | —             |  |
| <b>Housing programme for 1962 for:</b>                                                                                                     |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Slum clearance                                                                                                                             | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Other purposes                                                                                                                             | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| <b>Total number of Council Houses sold during year</b>                                                                                     |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Total number of applicants on Housing List at end of year                                                                                  | 417      | 27                 | 160           | 267           | 49                | 113     | 360     | 137        | 95            | 230           | 423       | 187       | 280               | 203        | 839          | 350         | 606         | 392        | 2,800         | 587           | 1,277         | 61      | —       | 618        | 190           |  |
| <b>Improvement Grants made under the Housing Act, 1949:</b>                                                                                |          |                    |               |               |                   |         |         |            |               |               |           |           |                   |            |              |             |             |            |               |               |               |         |         |            |               |  |
| Number of applications and houses dealt with during year by Local Authority:                                                               | 105      | 4                  | 1             | 24            | 3                 | 39      | 5       | 33         | 1             | 22            | 22        | 55        | 9                 | 2          | 9            | 5           | 31          | 23         | 17            | —             | —             | —       | —       | —          | —             |  |
| (a) Number of dwellings:                                                                                                                   | 102      | 4                  | 1             | 24            | 3                 | 39      | 5       | 33         | 1             | 22            | 22        | 55        | 9                 | 2          | 9            | 5           | 31          | 20         | 17            | —             | —             | —       | —       | —          | —             |  |
| Approved                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Rejected                                                                                                                                   | —        | —                  | —             | —             | —                 | —       | —       | —          | —             | —             | —         | —         | —                 | —          | —            | —           | —           | —          | —             | —             | —             | —       | —       | —          | —             |  |
| Number of dwellings:                                                                                                                       | 107      | 4                  | 1             | 37            | 3                 | 39      | 5       | 33         | 1             | 22            | 24        | 55        | 10                | 2          | 10           | 5           | 31          | 23         | 19            | —             | —             | —</     |         |            |               |  |



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