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Rural District of Warwick

ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1970

BY

D. LIVINGSTONE, M.B., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

Warwickshire Combined Districts

Leamington Spa

at TOMES OF LEAMINGTON

1971

R



1, EUSTON SQUARE,
LEAMINGTON SPA.

July 15th, 1971.

**To the Council of the Rural District of
WARWICK**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present to you my annual report upon the health of your district for 1970. The year has been a satisfactory one but only a small increase of population took place.

Once again a large section of the report is devoted to questions of drainage, sewerage and sewage disposal and refuse collection. This reflects the rapid residential development of new property in parts of your district.

For the second year running much time has been devoted to visits and matters concerned with the improvement of older property. It will be seen from Table I that this has been at the expense of other important duties. Therefore I must recommend to you the appointment of another Public Health Inspector at an early date. Mr. W. E. Qualtrough who has succeeded Mr. G. A. Lyne as your Senior Public Health Inspector has throughout the year given me invaluable assistance. I must also acknowledge the willing help of your Clerk, Surveyor and other officers. My thanks are also due to the Council for their kindly interest and support for the work which the Department has attempted to do.

I am,

Your obedient servant,

D. LIVINGSTONE,

Medical Officer of Health.

Warwick Rural District.

A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Population (estimated) Mid-year, 1970	27,660
Area of district	55,896 acres
Product of penny rate	£5,100
Total number of permanent dwellinghouses and flats	8,600
Birth Rate per 1,000 population (Crude)	15·6
Birth Rate per 1,000 population (Corrected)	14·5
Still Birth Rate—Rate per 1,000 total births	7·0
Death Rate per 1,000 population (Crude)	11·3
Death Rate per 1,000 population (Corrected)	8·9
Death Rate of Infants under 1 year of age :—	
All Infants per 1,000 live births	9·0
Legitimate Infants per 1,000 legitimate live births	10·0
Illegitimate Infants per 1,000 illegitimate live births	—

Population.—The population rose by 360 and the excess of births over deaths was only 120.

Details of statistics for the past few years are given in Table II.

B. GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

Medical Officer of Health.

F. D. M. LIVINGSTONE, M.B., B.Chir.,
M.R.C.P., D.P.H.

Deputy Medical Officer of Health.

M. V. RICHARDS, M.B., Ch.B., D.C.H., D.P.H.

Public Health Officers.

Senior Public Health Inspector.

W. E. QUALTROUGH, Cert. Public Health Inspector. Cert. Inspector of Meat and Other Foods. Cert. Smoke Inspector.

Additional Public Health Inspector:

R. D. HAMMOND, Cert. Public Health Inspector
Cert. Inspector of Meat and Other Foods.

Clerks:

Mrs. E. C. RAINFORD.

*S. BUCKLEY.

*Miss B. GIBBONS WARD.

* (Members of L.H.A. Clerical Staff with part-time allocated to services of Joint Sanitary Committee, M.O.H.'s office).

C. SANITARY CIRCUMSTANCES OF AREA

The Water Board's own Joint Laboratory service allowed regular analyses to be made. Supplies were chlorinated as necessary.

Eight houses within your district are supplied by stand-pipes from the supply mains of South Warwickshire Water Board. The 8 houses are inhabited by a total of 20 persons.

Water Samples.—11 water samples were taken from private sources of supply during the year and of these 7 were found to be unsatisfactory. In these cases the owners of the properties concerned were notified and action taken for the provision of a wholesome supply.

Five samples of water were also taken from public mains supplies and satisfactory results were reported by the bacteriologist.

Three samples of water from the South Warwickshire Water Board supply and two from the Coventry supply were examined and found to be satisfactory. Of the 11 samples taken from private sources 7 were unsatisfactory.

WATER ANALYSIS

Results expressed in parts per million

Average Chemical Analysis 1969-70.

From: South Warwickshire Water Board.

<i>Location</i>	<i>Whitnash (Raw)</i>	<i>Leek Wootton (Treated)</i>	<i>Haseley (Chlor.)</i>	<i>Budbrooke (Raw)</i>	<i>Rowington (Chlor.)</i>	<i>Shrewley (Chlor.)</i>
Total Hardness ...	431	258	296	183	135	138
Alkali (as CaCO ₃) ...	244	234	214	118	122	110
Chloride ...	41.5	26	28.5	141.5	18	18
Fluoride ...	0.18	0.7	0.18	0.10	0.10	0.10
Iron (Fe) ...	0.02	—	0.05	0.14	0.07	0.02
Manganese (Mn) ...	0.01	—	0.02	0.03	0.01	0.02
Free Ammonia ...	0.06	—	0.06	0.26	0.12	0.06
No. of Samples ..	8	3	9	10	10	10

All results are expressed in parts per million.

The number of houses within the District supplied by the South Warwickshire Board's public mains direct is 7,978. The population served is 25,383.

D. HOUSING

1. By the end of the year the construction of the 49 dwellings on the Bishops Tachbrook (No. 9) Housing site was complete as was the erection of 7 maisonettes on the site of the old school at Beausale.

10 dwellings at the Bubbenhall (No. 2) Moat Close Housing site were also completed and a start was made on the re-development of the site of 43-57 Heathcote Road, Whitnash, where 17 dwellings are to be erected. The work was well advanced by the end of the year.

Reference was made in last year's report to one Housing Association which was interested in providing accommodation for the elderly in the area. This has now a block of 16 units under construction at Hampton Magna.

Action taken under the Housing Act during the year is as follows:—

Demolition Orders made	...	...	4
Clearance Orders	...	...	1 (4 dwellings)
Closing Orders made	...	...	3
Closing Orders determined	...	...	2

2. *Overcrowding*.—No overcrowding was found.

3. The following table shows the number of houses built by the Council up to the 31st December, 1970.

	<i>T.</i>	<i>S.</i>	<i>P.</i>	<i>Total</i>
Baddesley Clinton	—	—	24	24
Baginton	—	—	44	44
Barford	—	—	80	80
Beausale	—	2	20	22
Bubbenhall	—	—	42	42
Cubbington	10	—	223	233
Hatton	—	—	32	32
Lapworth	—	2	66	68
Leek Wootton	—	—	24	24
Radford Semele	10	4	116	130
Rowington	—	—	40	40
Shrewley	—	2	14	16
Stoneleigh	—	2	36	38
Tachbrook	—	—	181	181
Weston-u-Wetherley	—	—	39	39
Whitnash	6	—	102	108
Totals	26	12	1083	1121

T. Temporary. *S.* Swedish. *P.* Permanent.

4. *Common Lodging Houses*.—There are none within the district.

E. INSPECTION AND SUPERVISION OF FOOD

1. The County Medical Officer of Health has supplied information concerning routine samples taken for biological examination and keeping quality as set out in sub-paragraphs (a) and (b).

(a) *Food and Drugs Act 1955, Section 31.*

Nine samples of milk taken. All results were negative for tubercle bacilli and *Brucella abortus*.

(b) *Milk (Special Designation) Regulations.*

<i>Designation of Milk</i>	<i>No. of Samples</i>	<i>Tests Failed</i>		
		<i>Meth. Blue</i>	<i>Phosphatase</i>	<i>Turbidity</i>
Untreated	1	1	—	—
Pasteurised	73	—	0	—
Sterilised	1	—	—	0

2. *Ice Cream.*—Four premises were registered for the storage and sale of ice cream during the year.

3. *Meat Inspection.*—The slaughterhouse at Bubbenhall has continued in use and there has been little variation in the number of animals slaughtered compared with the previous year. No cattle however, were killed during the year.

4. *Poultry Processing Premises.*—There is one such plant within the District where approximately 4,000 turkeys were killed. Of these few were processed on the premises.

5. *Unsound Food and Food containing Foreign Bodies.*—Complaints were made relating to the following foods and where possible investigation was made to ascertain the cause of the unfitness or presence of a foreign body. No formal action was taken by the Council under the Food and Drugs Act.

Food.—

Steak and kidney pie	...	...	...	Foreign Body
Evaporated Milk	...	...	...	„ „
Puff Pastry	...	...	...	Staleness
Biscuits	...	...	...	„
Spaghetti Rings	...	...	...	Not unfit
Vegetable Marrow	...	...	...	Bitter taste

The vegetable marrow was alleged to have caused illness in the person who consumed a portion of it. The bitterness is due to cucurbitacins. These are naturally present in the fruits of the wild species of the family to which the marrow belongs and sometimes occur in the edible species. They cause toxic symptoms when ingested.

MEAT INSPECTION, 1970.

Carcases and Offal inspected and condemned in whole or part

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	Nil	Nil	1	232	76	Nil
Number inspected	Nil	Nil	1	232	76	Nil
<i>All diseases except Tuberculosis and Cysticerci:</i> Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned	Nil	Nil	Nil	4	8	Nil
Percentage of the number inspected affected with disease other than Tuberculosis or Cysticerci	Nil	Nil	Nil	2.0%	10.5%	Nil
<i>Tuberculosis only:</i> Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned	Nil	Nil	Nil	Nil	Nil	Nil
Percentage of number inspected affected by Tuberculosis	Nil	Nil	Nil	Nil	Nil	Nil
<i>Cysticercosis:</i> Carcases of which some part or organ was condemned	Nil	Nil	Nil	Nil	Nil	Nil
Carcases submitted to treatment by refrigeration	Nil	Nil	Nil	Nil	Nil	Nil
Generalised and totally condemned	Nil	Nil	Nil	Nil	Nil	Nil

F. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE

Incidence of Major Infectious Diseases since 1963

		Dysentery	Food Poisoning	Scarlet Fever	Poliomyelitis	Whooping Cough
1963	...	57	21	16	—	11
1964	...	13	20	6	—	9
1965	...	30	2	5	—	1
1966	...	24	5	1	—	23
1967	...	14	—	10	—	1
1968	...	2	—	6	—	16
1969	...	6	—	5	—	3
1970	...	14	3	2	—	—

Reference to Table III will give the age distribution of the cases notified during 1970.

Apart from measles there was no prevalence of a single disease. Mass vaccination is now available for measles as well as whooping cough. A 1970 campaign had been intended but measles prevalence during the summer made doctors reluctant to vaccinate infants.

TUBERCULOSIS

This year there were 2 new notifications.

The following table shows the past incidence of Tuberculosis in the Warwick Rural District :—

		1951	1952	1953	1954	1955	1956	1957
Cases	...	28	28	30	33	46	55	25
Deaths	...	3	1	5	7	5	7	5
		1958	1959	1960	1961	1962	1963	1964
Cases	...	22	26	20	14	9	11	11
Deaths	...	1	1	2	1	1	4	—
		1965	1966	1967	1968	1969	1970	
Cases	...	5	3	6	5	6	2	
Deaths	...	—	2	3	1	1	—	

Age Periods	New Cases				Transfers into District				Deaths			
	Pul- monary		Non- Pul.		Pul- monary		Non- Pul.		Pul- monary		Non- Pul.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—	—	—	—	—
1-5	—	—	—	—	—	—	—	—	—	—	—	—
5-10	—	—	—	—	—	—	—	—	—	—	—	—
10-15	—	—	—	—	—	—	—	—	—	—	—	—
15-20	—	—	—	—	—	—	—	—	—	—	—	—
20-25	—	—	—	—	—	—	—	—	—	—	—	—
25-35	1	—	—	—	—	—	—	—	—	—	—	—
35-45	—	—	—	1	—	—	—	—	—	—	—	—
45-55	—	—	—	—	—	—	—	—	—	—	—	—
55-65	—	—	—	—	—	—	—	—	—	—	—	—
65 & upwards	—	—	—	—	—	—	—	—	—	—	—	—
	1	—	—	1	—	—	—	—	—	—	—	—

B.C.G. vaccine may be given to:—

(i) *School Leavers.*

Children in their 13th year are offered vaccination if negative reactors to a skin test (Heaf test).

(ii) *Special risk workers.*

e.g. medical students, hospital nurses, etc.

(iii) Infant contacts of known patients.

The local health authority includes the figures for rural district residents inoculated within the central area total. Work done at High or Grammar Schools within your district was as follows:—

(A)	Skin Tests (Heaf)	...	...	173
(B)	Number positive	...	...	24
(C)	Negative reactors vaccinated			
	B.C.G.	...	...	149
(D)	Absent for reading of test	...		—
(E)	Further investigation of chest	...		5

Of the children showing positive reactions it was thought advisable for 4 to have chest X-rays. All reports showed no active infection to be present.

APPENDIX FOR 1970

FACTORIES ACT, 1961

*Prescribed Particulars on the Administration of
the Factories Act, 1961*

Part I of the Act

1.—INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	Nil	Nil	Nil	Nil
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	40	13	2	Nil
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	4	Nil	Nil	Nil
Total	44	13	2	—

2.—Cases in which DEFECTS were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred		
			To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of cleanliness (S.1)	—	—	—	—	—
Overcrowding (S.2)	—	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7):					
(a) Insufficient	—	—	—	—	—
(b) Unsuitable or defective	2	1	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	—	—
Total	2	1	—	—	—

Part VIII of the Act
Outwork
(Sections 133 and 134)

NIL Return.

NATIONAL ASSISTANCE ACTS, 1948 AND 1951

There are no matters to report this year under the above heading.

**REPORT OF THE SENIOR PUBLIC HEALTH
INSPECTOR**

To the Council of the Rural District of Warwick

MR. CHAIRMAN, LADIES AND GENTLEMEN.

It is my pleasure to submit the Annual Report for 1970.

The work of the Department is briefly set out in the following pages but statistics do not reveal the considerable pressure under which the Department has been operating. Government publicity on Improvement Grants has stimulated public interest in this subject and much time has had to be devoted to dealing with enquiries, making inspections and with grant applications. This has of necessity left less time for other equally important public health work where priority has had to be given to that which was the most urgent.

The report includes details, kindly supplied by the Surveyor, relating to the refuse collection service, sewerage and sewage disposal.

I express my thanks to the Medical Officer of Health and Clerk of the Council for their ready support and co-operation at all times and also to the other Chief Officers.

I am,

Your obedient servant,

W. E. QUALTROUGH,
Senior Public Health Inspector.

PUBLIC CLEANSING AND TRANSPORT

Refuse Collection and Disposal.

The regular weekly collection of domestic refuse continued to be satisfactorily maintained from a steadily increasing number of premises, which by the end of the year totalled 9,042.

Vehicle repair and maintenance presented unusually difficult problems during the year, particularly in regard to delay in obtaining spare parts, and this, coupled with extensive damage sustained by one of the Pakamatic vehicles in a road accident, necessitated the hiring of a vehicle from a local manufacturer. The Council has no standby vehicle, pending delivery of two new vehicles placed on order during the year.

The Council's labour force was unaffected by the Municipal Workers strike which occurred elsewhere in the Country in the latter part of the year. The labour problem was therefore that of shortage due to holiday and sickness absences. In this respect the rural authority faces a special problem. Since there is no responsibility for less essential services from which labour could be transferred in time of emergency, and since supernumerary reserve labour cannot be retained, holidays and sickness inevitably lead to depleted refuse collection teams and sometimes to temporary failure to maintain collection frequency.

The Council does not supply refuse bins to householders and to date has not considered changing to a sack system of refuse collection. The year has seen a marked increase in the number of complaints of alleged mishandling of and undue wear and tear upon refuse receptacles provided by householders. Such complaints have related in the main to bins constructed of plastic and similar materials, and the Council resolved that replacement of dustbins damaged (other than by wear and tear) will only be considered where the bin is of galvanised iron to British Standard Specification.

Refuse disposal continued throughout the year on privately owned land at Barford. The estimated weight of refuse tipped was 9,438 tons.

Transport.

The following vehicles are owned by the Council;—

Refuse Collection "Pakamatic"	...	2
Other rear loaders	3	(1 disposed of during year)

Cesspool Emptiers—

					1 (Purchased during year)
					1 (1 disposed of during year)
Tractors (light)	...	...	...		1
Tractors (Medium)	...	...	...		1
Land Rovers	...	...	...		4
Vans	...	...	...		3 (1 purchased during year)
Lorries (open)	...	...	...		1
Cars	...	...	...		1

Rodent Control.

The Council's two rodent operators dealt with all reported infestations of rats and mice at private dwellinghouses, business premises and Council owned properties. Regular inspection and treatment where necessary was undertaken at farms and other non-domestic premises under Contract. Notwithstanding some lack of co-operation in cases where food and harbourage is all too readily available to rodents, results of treatment have been highly successful and in some cases spectacular.

The number of contracts in force at the year's end was 205, to the total value of £2,821.

SEWERAGE AND SEWAGE DISPOSAL

1. General.

Completion of the main scheme of sewerage and sewage disposal in the area, Contract No. 17, catering for Norton Lindsey, Hampton-on-the-Hill and the Stratford R.D.C. parish of Wolverton was still not completed by the end of the year but administrative efforts have been such that one could expect completion early in 1971.

Even so this 18 months contract is very late.

Several other small matters of drainage have been carried out, some by Consultant Engineer's and some directly by the Surveyor's Department.

2. **The Council's Consultants—Messrs. J. D. & D. M. Watson,** have carried out the following:—

- (a) *The Baddesley Clinton and Chadwick End Sewerage Scheme.*
The main contractors failed to complete a number of outstanding defects and a small contract was entered into with another firm to deal with them. The work is now complete.
- (b) *The Norton Lindsey Sewerage and Sewage Disposal Scheme* which includes sewers in the parish of Hampton-on-the-Hill and Wolverton in Stratford Rural District is in various stages of completion but none of the work has been handed over to the Council at the end of 1970.
- (c) *The Eastern Area Sewerage Scheme.*
The scheme allows for sewage to be collected from the villages of Eathorpe, Wappenbury, Offchurch, Hunningham and Weston-under-Wetherley.

The Hospital Sewage Disposal Works would be enlarged. Local pressure for this Scheme has been building up and it is hoped that some administrative progress will obtain in the new year.

3. **The Engineer & Surveyor** has been responsible for departmentally carrying out the following work:—

- (i) *Whitnash Surface Water Sewer.*
The Contract for this 21" diameter sewer project to drain the Whitnash "Plough and Harrow" Inn Area to a point some 338 yards to the east, has successfully ended its maintenance period.
- (ii) *Modifications to the existing Beausale Housing Sewage Disposal Works.*

These were completed satisfactorily during the year and are now dealing with sewage from Nos. 1 to 14 Heath Terrace and eight new Council housing units constructed on the site of the old Beausale School.

The Contract for this work includes:—

- (a) The construction of a new storm water sewer at the rear of Nos. 1-14 Heath Terrace to change the combined sewage flow to the disposal works into a purely "foul" discharge.

- (b) The construction at the disposal works of a pair of new septic tanks connected in series with the existing tank, a pumping station to lift settled sewage to the top of additional media placed on the old bacteriological filter, additional humus tank capacity and new fencing and water supply.

The contract is now on its maintenance period and operating effectively.

(iii) *Lapworth and Rowington Sewerage and Sewage Disposal.*

Additional work over and above formal Contract No. 14 for the main Lapworth and Rowington Sewerage and Sewage Disposal Works, has been carried out and a small contract has completed:—

- (a) Concrete wheel tracks to, and water supply at the Rising Lane, Lapworth Sewage Pumping Station.
- (b) Repairs to access road, lifting of manhole covers, construction of fencing etc. at Kingswood Sewage Pumping Station.

Handrailing to sludge digestion tanks and gravel filled land drainage channels around the bacteriological filter units have already been carried out and all minor items required to be done, additional to the contract, have in fact now been done.

(iv) The following items are due to be carried out under the Council's Capital Works Programme during the financial year 1970-71 but no constructional progress could be reported at December, 1970 on the following matters:—

- (a) 6" diversionary sewer near the church at Baginton to bypass a troublesome 6" sewer under a tipped area.
- (b) Installation of tertiary treatment lagoon at Lapworth and Rowington Sewage Disposal Works. This is required to replace the existing land irrigation system which has failed through maintenance difficulties.
- (c) The abandoning of this Council's Dugard Place Sewage Pumping Station and the construction of a gravity sewer between the site of that station and the existing Council Sandy Way Pumping Station. The work is being carried out for two main reasons, firstly the anticipated life of the pumps at Dugard Place is in doubt and secondly the project reduces to one the present two pumping sequences into the 6" sewer along Wellesbourne Road, Barford.

(v) The following schemes which have been mooted at various times in the past have made no progress.

(a) *Wasperton Village Sewerage and Sewage Disposal.*

This scheme was inquired into by the Ministry in 1967 when a sewage disposal works in the area was proposed. No progress has been made and consideration of a large sewage disposal works proposed in the Avon Valley near Warwick renders a scheme to pump sewage from Wasperton to the Barford sewers and thence to Warwick Corporation Disposal Works a more attractive proposition.

(b) *Old Milverton and Blackdown Sewerage Scheme.*

The scheme proposed in 1967 has made no headway but a private scheme of sewerage and sewage disposal for Blackdown Hotel and Hazell House has been completed.

The Council has agreed to adopt the pumping main constructed privately to convey sewage from the private pumping station in the grounds of Hazell House along Sandy Way to the Leamington Corporation sewers. The pumping station itself is proposed not to be adopted.

(c) *Lowsonford R.D.C. Housing Sewage Disposal Works.*

No progress has been made in modifying this disposal works. Replacement of it by a sewage pumping station to serve a small village foul sewerage scheme and to pump sewage to this Council's Lapworth and Rowington Sewage Disposal Works has been under examination.

(d) *Haseley Knob and Beausale Sewerage Scheme.*

This scheme proposed to deal with 34 properties in Beausale, 28 in Haseley Knob and to give facilities for the connection of some properties from Wroxall, is being drafted.

Present proposals favour replacing the modified Beausale Housing Disposal Works by a sewage pumping station and to pump sewage from the villages across country to existing sewers thence gravitating to this Council's Hatton and Shrewley Sewage Disposal Works.

(e) *Whitnash and Bishops Tachbrook Comprehensive Sewerage Scheme.*

A private pumping station adjoins the Railway off Golf Lane. This, under the comprehensive scheme, was to pump sewage from the recent Golf Lane development of 208 houses and also the Home Farm Crescent area of Whitnash, westwards to the Leamington Corporation

Sewage Disposal Works at Heathcote. It is still pumping the Golf Lane Development sewage into this Council's Home Farm Crescent sewage pumping station sump. From this sump a further pumped discharge is to gravity sewers near the "Plough and Harrow"; thence it flows via the Leamington Corporation sewers to the Heathcote S.D. Works.

Surcharge of sewers occurs at the "Plough and Harrow",— particularly in heavy rain. This is now worse because the Golf Lane connections have risen from 83 last year to 174.

4. **Adoption by the Council of Privately Constructed Installations.**

The following adoptions have occurred or variations have been made:—

(a) **Sewers.**

(i) At Hampton Magna a length of 9" public foul sewer was re-aligned during the year to permit development on and near the site of the now demolished Budbrooke Barracks other ranks married quarters.

(ii) Private realignment of a short length of 6" foul public sewer at "Farthings" Estate Bubbenhall was necessary to accommodate local development.

(b) **Pumping Stations.**

There were no instances during the year.

(c) **Sewage Disposal Works.**

None.

5. **Construction of Private Sewers.**

The main areas of development have continued to be Hampton Magna and Golf Lane, Whitnash and it follows therefore that these are the areas in which most private sewer construction has occurred.

Bubbenhall has shown some advance as has New Street, Cubbington.

6. Rural District Council Sewage Disposal Works.

(a) The number of septic tank type sewage disposal installations serving R.D.C. properties is as follows:—

Site	No. of properties served		Future of the Disposal Works	No. of sludge emptyings during the year
	R.D.C.	Private		
Beausale Heath Terrace	14 +8 =22	1	Modified to cater for eight new R.D.C. housing units. May be abandoned.	Seven
Lowsonford	12	—	Proposals to pump to Lapworth S.D. Works have been considered.	Eight

(b) The list of public village sewage disposal works still remains as last year, thus:—

Location of Sewage Disposal Works	Includes Works P.S.	Designed for Duplication	Designed for ultimate population of
Bubbenhall	Yes	No	500
Leek Wootton	Yes	No	1,300
Lapworth & Rowington	Yes	Yes	3,400
Shrewley & Hatton	Yes	No	1,500
Old Milverton	No	Yes	98
Budbrooke	Yes (Drainings)	Can be redesigned	Being modified under Contract No.17

Of these Disposal Works that at Old Milverton is of the septic tank type, while all others have separate cold sludge digestion arrangements.

7. No Council owned sewage disposal installations became redundant this year.

8. The number of foul sewage pumping stations on the line of sewers remains static as last year. One pump at Barford

Bridge station and one at Radford Church Sewage Pumping Station are due to be changed within the next few months.

A pumping station being constructed at Hampton-on-the-Hill under a current Civil Engineering Contract to serve part of the village is not yet operative.

The Norton Lindsey Sewage Disposal Works pumping station is not yet complete.

9. Sewage movements across administrative boundaries occur:—

(a) *Sewage* is pumped by R.D.C. plant to other Authorities for processing in the following areas:—

Barford, Sherbourne	to Warwick Corporation Works.
Cubbington, Radford Semele, Bishops Tachbrook, Old Milverton	} to Leamington Corporation Heathcote Works.
Crackley Crescent	to Kenilworth U.D.C.
Baginton, Burton Green, Stoneleigh	} to Coventry Corporation Finham S.D. Works.
Lapworth, Baddesley Clinton	} to Upper Tame Main Drainage Authority

(b) *Sewage from other Districts* pumped by Warwick R.D.C. plant as follows:—

Meriden R.D.C.	to Coventry Corporation
Meriden R.D.C.	to Warwick R.D.C. Disposal Works at Rowington.

(c) From Weston-under-Wetherley, sewage from 40 Warwick R.D.C. properties continues to gravitate to and be processed at the Weston Hospital Board's Sewage Disposal Works at Weston-under-Wetherley.

10. *Private Sewage Pumping Stations (other than those for one property).*

(i) *Golf Lane, Whitnash.*

174 houses are now connected with 10 still incomplete and development of the estate is still proceeding. Overloading of the public sewers at the Plough Inn, Whitnash is caused by discharges from the private pumping station via this Council's Home Farm Crescent sewage pumping station and therefore continues to increase.

The Council's Whitnash and Bishops Tachbrook Comprehensive Sewerage Scheme was initiated to deal, inter alia, with this problem.

- (ii) Red House Site Barford, serves six properties and discharges to the public sewers.
- (iii) Part of a private disposal unit for six houses at Wroxall.
- (iv) At the Royal Agricultural Show site at Stoneleigh Park, three private pumping stations are still operating throughout the year and especially at Show times. One station is located at the south-western corner of the site and a second at the south-eastern corner. Both pump northwards into a holding lagoon and the third pumping station is at the northern extremity of the Show site and adjoins the lagoon.

When flows are low towards the lagoon, discharges are confined in an approach tank and thence repumped by the third pumping station along a 4" diameter rising main to our own Pumping Station at Stoneleigh and thence to the Finham Sewage Disposal Works of the Coventry Corporation.

At Show times the sewage is allowed to occupy the lagoon so as to even out the difference in pumping rates between the pumps on the Showground and the lagoon pumping station. Duplicate Flygt pumps were installed at the lagoon pumping station, where previously only one pump was fitted.

11. *Surface Water Pumping Stations.*

The only station of this type in the District is at the site of the re-development of the 1919 houses at Cubbington. The station is working but has not yet been taken from over the builders.

12. *Private Sewage Pumping Stations (other than those for one property).*

- (i) *Golf Lane, Whitnash.*

The sewage pumping station capable of dealing initially with some 208 private properties and located some 500 yards to the south of the Council's Home Farm Crescent sewage pumping station, to which foul sewage is pumped

13. The private foul sewage pumping station and disposal works at Hatton Hospital are maintained by the Hospital.

14. Principal repairs carried out to Pumping Stations and Sewage Disposal Works are as follows:—

(a) *Pumping Stations.*

Barford Bridge	Renew float switch	£29.80
Barford Bridge	Rewind Motor	£73.00
Barford Sandy Way	Renew pump seals	£21.66
Lapworth (Kingwood)	Replace valves	£58.70
Lapworth (Kingwood)	Extend electric cables	£20.55
Radford Semele Church	Wire and fit starter	£25.38
Tachbrook	Repair pump	£42.50

(b) *Sewage Disposal Works.*

Rowington	Repair filter arm	£28.05
Leek Wootton	Provide reinforcing bands to filter bed	£205.90

(c) *Portable pump.* Fit new seal; overhaul air exhauster £50.90

(d) The digging out of sludge beds at sewage disposal works was carried out by Council labour.

15. **Repairs to Sewers.**

The total cost of repairing or unblocking sewers throughout the District during the year was approximately £480.

Blockages were experienced at:—

<i>Parish of</i>	<i>Instances</i>
Whitnash	10
Cubbington	14
Leek Wootton	8
Barford	10
Lapworth	2
Baginton	4
Stoneleigh	3
Radford Semele	5
Hampton Magna	1
Bishops Tachbrook	7
Rowington	1
Shrewley	3
Bubbenhall	2
Total	<hr/> 70 <hr/>

16. Drainage Works Carried out During the Year with the aid of Grants were as follows:—

Parish	Discretionary Grants			Standard Grants		
	Connection to sewer	Septic tanks	Cess-pools	Connection to sewer	Septic tanks	Cess-pools
Bishops T'brook		1				
Budbrooke		1				
Honiley		2				
Stoneleigh	1					
Lapworth	2		1			
Shrewley	1					
Hunningham			1			
Rowington		1				
Beausale		1				
TOTALS	4	6	2	—	—	—

17. Septic Tank and Cesspool Emptying Service.

The records of the Council's septic tank and cesspool emptying service are shown at Appendix "A".

Increases at Blackdown	from	24	in 1969	to	33	in 1970
Budbrooke	„	60	„	„	78	„
Lapworth	„	211	„	„	250	„
Offchurch	„	29	„	„	40	„
Shrewley	„	26	„	„	43	„
Weston-under-Wetherley	„	28	„	„	39	„

were appreciable.

Calls to the parishes of Haseley	56	in 1969	to	46	in 1970
Honiley	32	„	„	10	„

have shown appreciable decreases, which were not due to the installation of a public sewer. The increase in visits to Lapworth is particularly noticeable.

18. Night Soil Pail Collection.

Appendix "A" also lists the areas where night soil pails are still collected.

- (a) Collection from Baginton has now ceased. Otherwise the figures call for little comment, in respect of the variation in service as between 1969 and 1970.
- (b) There is no service in 16 of the 32 parishes listed.
- (c) A private collection from private properties in the parish of Stoneleigh still continues.

Housing

(1) Improvement Grants

		<i>Standard Grants</i>	<i>Discretionary Grants</i>
No. of applications received	...	18	35
No. of properties involved	...	18	38
No. of claims granted	... ..	10	33
No. of properties involved	...	10	37
No. of applications withdrawn	...	4	2
No. of applications refused	...	—	2

Applications for Standard and Improvement Grants have continued steadily during the year. The total of 53 being submitted involved some 56 properties. In addition to dealing with this work, much time is spent in interviewing members of the public who are considering improvement schemes and in inspecting properties at their request. This is important and it is essential that the Department be consulted as early as possible in any proposed improvements and before the scheme is submitted for Planning and Building Regulation approval. This is time consuming work and it does mean that other equally important routine Public Health duties tend to be excluded.

Where an owner wishes to provide standard amenities in a property subject to a controlled tenancy, he may apply for a qualification certificate in conjunction with his grant application. By following the procedure laid down in the Act and carrying out the improvements, the tenancy can be changed to a regulated one and the owner can subsequently obtain an increase in rent.

Applications received for Qualification Certificates were as follows:—

	<i>Received</i>	<i>Provisional Approval</i>
Standard Grant	3	3
Improvement Grant	4	4

Under Section 44 (1) of the Housing Act, 1969, applications can be made for qualification certificates in respect of dwellings already provided with the standard amenities.

The dwellings must also be in good repair having regard to age, character and locality and be fit for human habitation.

Applications dealt with were as follows:—

Housing Act, 1969. Section 44(1)

<i>Applications Received</i>	<i>Granted</i>	<i>Refused</i>
15	1	9

(2) New Houses provided by Rural District Council.

- (a) Bishops Tachbrook (No. 9) Housing Site 36 dwellings
- (b) Beausale 8 maisonettes
- (c) Bubbenhall (No. 2) Moat Close Housing
Site 10 dwellings

(3) New Houses—Private Development

A total of 144 dwellings was constructed.

(4) Improvements to Council Houses

Work commenced on the improvements to the 11 houses at Barford but none was completed by 31st December.

(5) Demolition

Six dwellings in Clearance Areas were demolished.

The following table lists the action under the Housing Acts.

Houses in Clearance Areas	...	...	...	...	6
Houses subject to Demolition Orders	...	...	...	...	7
Houses subject to Closing Orders	...	...	...	...	17
Houses subject to undertaking not to use for human habitation	...	...	...	...	6

Nuisances

67 complaints were investigated covering a wide variety of subjects, from unsound food to nuisances arising from smoke, noise, dust, offensive smells, drainage, vermin etc. Little nuisance from the spreading of poultry manure on to land was reported during the year. A nuisance arising from an unsatisfactory sewage disposal system to a country restaurant was abated when the premises were connected to main drainage.

Factories

The number of factories has remained unchanged at 40. Two notices were served for contraventions of the Act and Regulations.

Animal Boarding Establishments

One new licence was issued during the year bringing the total number of establishments up to seven. Routine inspections have revealed a good standard of hygiene, maintenance and animal care.

Petroleum (Regulation) Acts 1928 and 1936.

One new storage tank (500 gallons) was approved and installed. 3 licences were transferred.

A total of 77 licences were issued in 1970 authorising the keeping of 185,630 gallons of petroleum spirit.

Clean Air Act

One application for approval of chimney height for a new installation was submitted and approved.

There are few industrial premises within the area. In respect of these however, one complaint was made regarding smoke emission and this was under investigation at the end of the year.

The recording of atmospheric pollution at Whitnash Pumping Station has continued; results are forwarded to the Warwickshire Clean Air Council and to Warren Spring Laboratory (Department of Trade and Industry).

The concentration of smoke has shown a decline in recent years, indicative of the trend to use other forms of heating in preference to bituminous coal.

Food Premises

Routine inspections have revealed no serious contraventions of the Food Regulations and a good standard of hygiene has been maintained.

Inspections have also been made to the numerous catering establishments at the Royal Showground at Stoneleigh and other places in the district, where activities of a similar nature have been carried out.

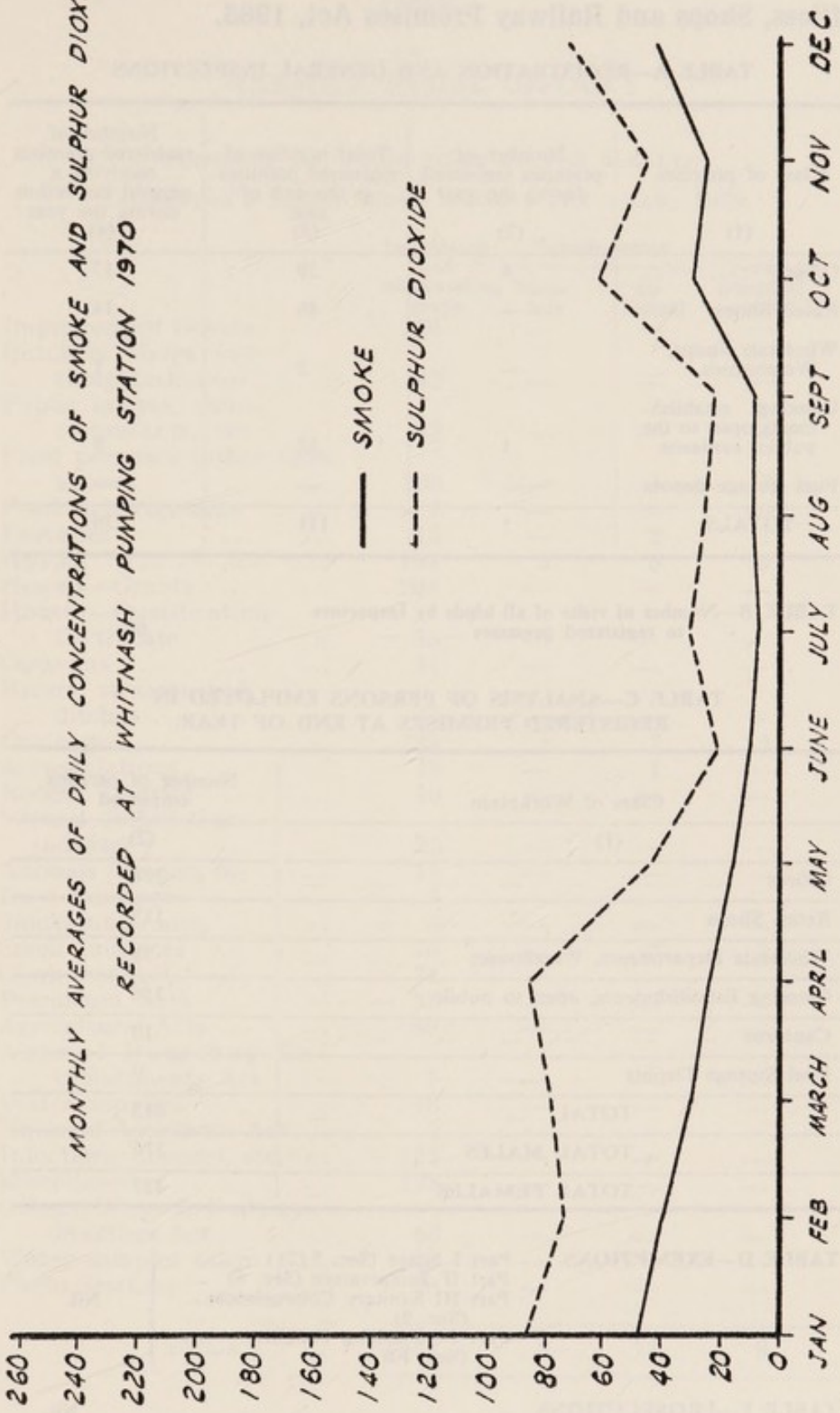
A talk on Food Hygiene was given to one women's organisation during the year.

Food premises are classified as follows:—

<i>1970</i>	<i>Number</i>
Bakeries	2
Butchers Shops	8
General Provisions including confectioners ...	58
Cafes, Restaurants	11
Licensed premises	34
Factory Canteens	2
Clubs	10
Fish frying premises	2
Others	6

CONCENTRATION IN MICRAMMES PER CUBIC METRE

MONTHLY AVERAGES OF DAILY CONCENTRATIONS OF SMOKE AND SULPHUR DIOXIDE
RECORDED AT WHITNASH PUMPING STATION 1970



Offices, Shops and Railway Premises Act, 1963.

TABLE A—REGISTRATION AND GENERAL INSPECTIONS

Class of premises (1)	Number of premises registered during the year (2)	Total number of registered premises at the end of year (3)	Number of registered premises receiving a general inspection during the year (4)
Offices	4	30	13
Retail Shops	—	46	14
Wholesale Shops, Warehouses	—	3	1
Catering establishments open to the public, canteens	1	32	8
Fuel storage depots	—	—	—
TOTALS	5	111	36

TABLE B—Number of visits of all kinds by Inspectors to registered premises

68

TABLE C—ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISES AT END OF YEAR.

Class of Workplace (1)	Number of persons employed (2)
Offices	294
Retail Shops	115
Wholesale Departments, Warehouses	38
Catering Establishments, open to public	356
Canteens	10
Fuel Storage Depots	0
TOTAL	813
TOTAL MALES	376
TOTAL FEMALES	437

TABLE D—EXEMPTIONS

Part I Space (Sec. 5 (2))	} Nil.
Part II Temperature (Sec. 6)	
Part III Sanitary Conveniences (Sec. 9)	
Part IV Washing Facilities (Sec. 10)	

TABLE E—PROSECUTIONS

Nil.

TABLE F—INSPECTORS

TWO.

TABLE I.

WARWICK RURAL DISTRICT

SUMMARY OF WORK DONE IN THE HEALTH
INSPECTOR'S DEPARTMENT DURING THE YEAR, 1970.

	Inspections and observations made	Notices served		Notices complied with
		Statu- tory	In- formal	
Improvement Grants ...	298	—	—	—
Butchers' shops and slaughterhouses ...	43	—	—	—
Public houses, clubs, restaurants, etc. ...	32	—	—	—
Food premises (other than above) ...	105	—	1	1
Food Investigations ...	8	—	—	—
Factories ...	13	—	2	1
Houses ...	184	2	5	3
Houses—Grants ...	298	—	—	—
Houses—Qualification Certificate ...	35	—	—	—
Caravans ...	31	—	—	—
Rivers, streams and ditches ...	51	—	—	—
Drainage ...	129	1	7	3
Accumulations ...	19	—	1	—
Rodent Control ...	10	—	—	—
Vermin (other than rodents) ...	25	—	—	—
Animals (keeping of) ...	11	—	—	—
Dust nuisances ...	8	—	—	—
Smoke nuisances ...	5	—	—	—
Smell nuisances ...	35	—	2	1
Clean Air Act ...	74	—	—	—
Petroleum Acts ...	38	—	—	—
Agricultural Acts ...	88	—	—	—
Animal Boarding Es- tablishments Act ...	7	—	—	—
Water supplies ...	40	—	—	—
National Assistance Act ...	3	—	—	—
Infectious diseases, etc. ...	123	—	—	—
Miscellaneous ...	128	—	—	—
Offices, Shops & Railways Premises Act ...	68	—	—	—
Water samples taken ...	16	—	—	—
Photo Sessions ...	25	—	—	—
Totals ...	1652	3	18	9

APPENDIX (A)

WARWICK RURAL DISTRICT COUNCIL.
SEWERAGE AND SEWAGE DISPOSAL.

(1) PARISH	(2) Public Sewer available	(3) Nightsoil pails emptied weekly		(4) No. of septic tanks and cesspool emptying visits during year		(5) Properties connected to sewers in 1969				
		1970	1969	1970	1969	By Discretionary Grant	By Standard Grant	Privately to existing free connection to curtilage	From Private development to existing sewers	From R.D.C. development to existing sewers
Ashow	No	13	12	15	15	—	—	—	—	—
Baddesley Clinton	1967	1	1	4	5	—	—	—	2	—
Baginton	1953	—	4	—	—	—	—	—	—	—
Barford	1952	—	—	20	21	—	—	—	3	—
Beausale	1946*	No Service	—	35	25	—	—	—	—	8
Blackdown	No	No service	—	33	24	—	—	—	—	—
Bishops Tachbrook	1949	No service	—	9	13	—	—	—	3	40
Bubbenhall	1965/6	—	—	9	8	—	—	1	—	10
Budbrooke	No	29	30	78	60	—	—	—	—	—
Bushwood	No	No service	—	1	1	—	—	—	—	—
Cubbington	1952	—	—	3	7	—	—	—	5	—
Eathorpe	No	20	20	1	6	—	—	—	—	—
Guys Cliffe	No	No service	—	—	—	—	—	—	—	—
Haseley	—	2	2	46	56	—	—	—	—	—
Hatton	1960	—	—	11	18	—	—	1	—	—
Honiley	No	No service	—	10	32	—	—	—	—	—
Hunningham	No	24	24	23	26	—	—	—	—	—
Lapworth	1963/4	24	26	250	211	2	—	—	—	—
Leek Wootton	1958/9	—	—	13	13	—	—	—	1	—
Norton Lindsey	No	10	12	134	123	—	—	—	—	—
Offchurch	No	22	22	40	29	—	—	—	—	—
Old Milverton	1965	No service	—	7	3	—	—	—	—	—
Radford Semele	1954/5	—	—	10	8	—	—	—	9	—
Rowington	1963/4	4	4	100	100	—	—	—	2	—
Sherbourne	1952	—	—	2	3	—	—	—	—	—
Shrewley	1960/1	12	12	43	26	1	—	—	1	—
Stoneleigh	1953	7	7	49	43	1	—	—	6	—
Wappenbury	No	3	3	—	—	—	—	—	—	—
Wasperton	Village drain pre-1900	—	—	19	13	—	—	—	—	—
Weston-under-Wetherley	**	3	3	39	28	—	—	—	—	—
Whitnash	—	—	—	—	—	—	—	—	66	—
Wroxall	No	7	7	1	2	—	—	—	—	—
Other Districts	—	—	—	3	3	—	—	—	—	—
Total		181	189	1008	922	4	—	2	98	58

Notes: (1) Units listed in column (3) and (4) could not necessarily be connected to existing public sewers.

(2) *Denotes R.D.C. Housing Disposal Works only.

(3) **All R.D.C. properties in Weston-under-Wetherley are privately sewered to the private Hospital S.D. Works.

(4) Column 5 for Stoneleigh does not include permanent buildings at the R.A.S.E. Showground connected to sewers.

TABLE II.
WARWICK RURAL DISTRICT

VITAL STATISTICS OF WHOLE DISTRICT DURING 1970
AND PREVIOUS YEARS.

YEAR	Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Under 1 Year of age.		At all Ages.	
		Number.	Crude Rate.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1961	26,310	497	19.0	9	18.2	264	10.0
1962	27,540	510	18.5	7	13.7	321	11.3
1963	28,310	566	20.0	6	10.6	265	9.4
1964	28,880	502	17.5	12	23.8	296	10.3
1965	25,760	473	18.4	7	14.8	278	10.8
1966	25,010	429	16.3	7	16.3	301	12.0
1967	25,480	426	16.7	10	23.0	324	12.7
1968	26,290	467	17.8	5	11.0	316	12.0
1969	27,300	420	15.3	5	12.0	308	11.3
1970	27,660	432	15.6	4	9.0	312	11.3

VITAL STATISTICS IN ENGLAND AND WALES, 1970.

ENGLAND AND WALES.

*Birthrate, Deathrate, and Infantile Mortality during the Year 1970.
(Provisional Figures).*

Annual Rate per 1,000 Population.

	Live Births.	Still Births per 1,000 Births.	Deaths.	Deaths under one year to 1,000 Births
England and Wales	16.0	13.0	11.7	18.0

TABLE III.

WARWICK RURAL DISTRICT.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1970.

NOTIFIABLE DISEASE.	Number of Cases notified.								Total cases removed to Hospital.
	At all Ages.	At Ages—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.	
Small-pox									
Leptospirosis									
Diphtheria (including Mem- branous Croup)									
Yellow Fever									
Scarlet Fever	2	1	1						
Paratyphoid Fever									
Typhoid Fever									
Anthrax									
Acute Encephalitis									
Dysentery	14		6	2		5	1		
Acute Meningitis									
Tetanus									
Acute Poliomyelitis (including Polioencephalitis)									
Whooping Cough									
Infective Jaundice	4		2		1		1		
Ophthalmia Neonatorum									
Measles	175	6	91	76	2				
Pulmonary Tuberculosis	1					1			
Other forms of Tuberculosis	1					1			
Food Poisoning	3			2			1		
Totals	200	6	92	85	6	3	5	3	—

TABLE IV.
WARWICK RURAL DISTRICT.
CAUSES OF DEATH DURING THE YEAR 1970.

LIST B (CAUSES OF DEATH)		MALES	FEMALES
4	Enteritis	1	—
18	Other infections	—	2
19(1)	Cancer (Buccal)	1	—
19(3)	Cancer (Stomach)	5	1
19(4)	Cancer (Intestine)	6	2
19(6)	Cancer—Lung and Bronchus) ...	11	2
19(7)	Cancer—(Breast)	—	5
19(8)	Cancer—(Uterus)	—	3
19(9)	Cancer—(Prostate)	2	—
19(10)	Leukaemia	—	2
19(11)	Cancer—(Other)	8	12
21	Diabetes Mellitus	—	1
24	Meningitis	1	—
26	Chronic Rheumatic Disease ...	—	1
27	Hypertensive disease	2	3
28	Ischaemic heart disease	28	20
29	Other heart disease	4	5
30	Cerebro-vascular disease	16	23
31	Influenza	3	6
32	Pneumonia	21	30
33 (1)	Bronchitis/Emphysema	14	3
34	Peptic Ulcer	2	1
36	Intestinal Obstruction, Hernia ...	1	—
39	Hyperplasia of prostate	2	—
42	Congenital abnormality	1	1
44	Other Perinatal	—	1
45	Ill defined conditions	—	2
46(1)	Other (Endocrine)	1	—
46(2)	Other (Blood)	1	—
46(3)	Other causes (Mental)	1	—
46(5)	Other (Central nervous system) ...	1	3
46(6)	Other (Circulatory)	7	10
46(7)	Other (Respiratory)	1	1
46(8)	Other (digestive)	3	—
46(9)	Other (genito-urinary)	—	1
46(10)	Other (skin)	—	2
46(11)	Other (Musculo-Skeletal)	1	3
BE47	Motor Vehicle accidents	7	3
BE48	All other accidents	4	4
BE49	Suicide, etc.	2	—
BE50	All other external causes	—	1
All Causes		158	154

