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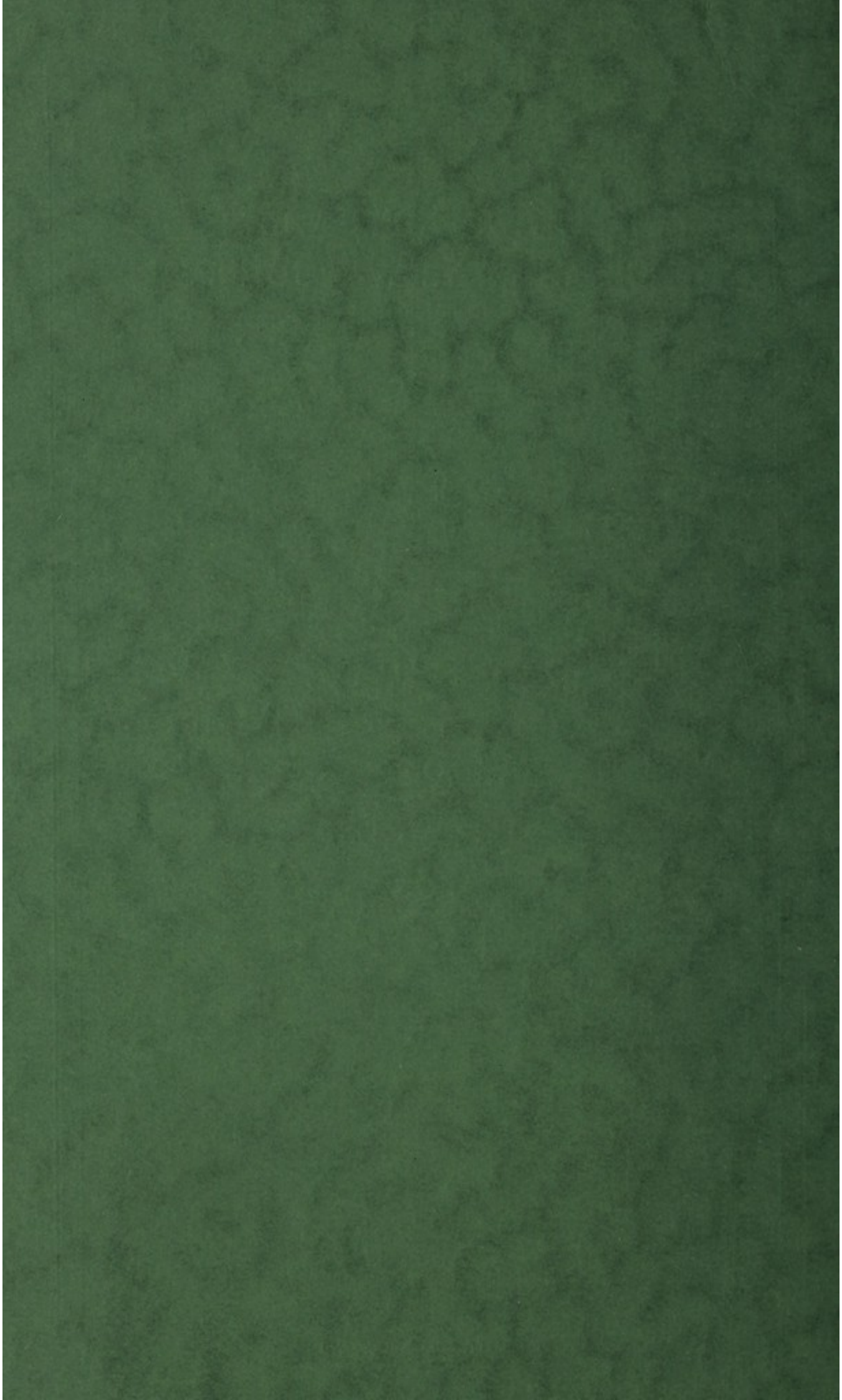
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BISHOP AUCKLAND  
URBAN DISTRICT COUNCIL



**REPORT**  
OF THE  
**MEDICAL OFFICER**  
OF  
**HEALTH**  
FOR  
**1960**





# BISHOP AUCKLAND URBAN DISTRICT COUNCIL

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*Chairman of Health Committee* :

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## Health Department Staff

*Medical Officer of Health* :

DR. J. M. HEGARTY, M.B., B.Ch., B.A.O., D.P.H.  
Part-time Medical Officer of Health for the Urban District.  
Assistant County (No. 9 Area) Medical Officer.

*Chief Public Health Inspector and Cleansing Officer* :

R. SNOWDON, M.A.P.H.I., M.R.I.P.H.H., M.R.S.H.,  
A.M.INST.P.C., I.S.A.A. (Dip.).  
Associate of the Institute of Fuel.

*Senior Additional Public Health Inspector* :

J. R. LYLE, M.A.P.H.I., A.M.INST.P.C.

*Additional Public Health Inspector* : E. YOUNG, M.A.P.H.I.

*Pupil Public Health Inspector* : M. COSGROVE.

*Clerk* : T. K. CROSBY.

## Annual Report 1960

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Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting to you the annual report on the health and sanitary conditions of your district for the year 1960.

The vital statistics, which afford a means of comparison between the health of the district in the different years, do not compare very favourably with those of the previous year.

The birth rate is higher than last year as is also the death rate. There was a total of 416 deaths. Of these only 45 died under the age of 50. Well over half of the deaths (236) reached the allotted span of three score years and ten. Of the 236, 132 died aged 70-80 ; 91 between 80-90 and 13 were over 90 years of age.

It is pleasing to note that deaths from all types of Cancer including the lung, have decreased—lung cancer being down by one-third (from 21 to 14). Over the country as a whole the death rate from Lung Cancer has risen each year. It is still considered that there is a strong connection between cigarette smoking and Lung Cancer. The campaign against smoking seems to have had no effect whatsoever on the public. I think that until Doctors, Councillors and teachers give up smoking and show by their example that they take this threat to health seriously we need not expect school children or adults to pay much attention to our propaganda. Deaths due to heart and circulatory diseases have risen slightly. Those due to Bronchitis have more than doubled whilst those due to pneumonia are exactly halved.

There has not been a maternal death, but 10 cases of puerperal pyrexia were notified at the end of the year. This necessitated the closure of the maternity home for a period.

There has not been a confirmed case of Diphtheria or Poliomyelitis. The infant mortality rate is very much higher than last year. There were 24 deaths as against 16 in 1959. Of these 12 died within the first 24 hours ; 4 died within the first 15 days ; 6 died before 6 months ; 1 at seven months and 1 at ten months. Eighteen died in hospital, only six dying at home. Each of these six had some congenital abnormality.

Again of these 24 deaths, 7 died because of prematurity ; 2 from prematurity associated with abnormality ; 1 from infection with prematurity ; 5 died due to congenital abnormality ; 1 from infection with abnormality ; 5 died from infection alone ; 2 from congenital heart disease and 1 was due to rhesus incompatibility.

Notification of Measles was less than half of the previous year. Whooping Cough cases were well down. There were fewer dysentery cases, and Scarlet Fever notifications were lower than half of those in 1959.

Notification of pulmonary tuberculosis was the lowest on record—there being only seven cases—one-third of last year's total. The non-pulmonary were four in comparison with six in 1959.

Details of the Mass Miniature Radiography Unit's visit are given later in the report. Attendances were poor although a little better than last year. No case of tuberculosis or suspected tuberculosis was found, but other important conditions were discovered.

The age range for Poliomyelitis was again raised, this time to under 40 years. Good co-operation was once again obtained from all the factories where vaccinations were able to be carried out in large numbers. There has been a fairly good response in the area.

B.C.G. vaccination was commenced in the district, and the numbers of children involved are quoted in this report under "Special Health Services."

During the year visits were made to a number of old people and where required arrangements were made for voluntary admission to hospital or their names were added to the Hostel list. The services of a Home Help were provided where necessary. Details of the Home Helps provided in the area are given later in the report.

There was an increase in the number of dwellings built by the local authority during the year—84 being erected. Of these, 56 went to Slum Clearance families ; 20 were allocated to key workers and 8 were given to aged persons. Only one house was allocated to a family who had a member suffering from Tuberculosis. Overcrowding is still very prevalent in the area.

A Club for the physically handicapped was successfully launched by the Council. It meets on alternate Tuesday evenings at the L.N.E.R. Institute which is given free. There are over 70 members and there is a very good regular attendance.

I would once again like to acknowledge the courtesy and consideration given to me by my Council and express my thanks to the staff of the Health Department for another year's hard work.

### **Area and Social Conditions.**

The area of the district is 9,336 acres. The estimated population in mid-1960 was 35,440 an increase of 50 on the previous year's estimate.

The rateable value at the end of 1960 was £342,161 and the product of a penny rate £1,325.

The number of houses according to the Council's rate book was, at the end of 1960, 11,481.

## Vital Statistics.

In the following extracts from the vital statistics of the district the corrected figures as supplied by the Registrar General have been used and the rates quoted are based on the above mentioned estimated population.

| Live Births  |       | Total      | Males      | Females    |
|--------------|-------|------------|------------|------------|
| LEGITIMATE   | ...   | 614        | 292        | 322        |
| ILLEGITIMATE | ...   | 36         | 23         | 13         |
|              | TOTAL | <u>650</u> | <u>315</u> | <u>335</u> |

Comparability factors : Births 0.96 ; Deaths 1.17. The standard birth rate is 17.61. The corresponding rate for England and Wales is 17.1.

Illegitimate live births per cent of total live births—5.54%.

| Still Births |       | Total     | Males    | Females   |
|--------------|-------|-----------|----------|-----------|
| LEGITIMATE   | ...   | 19        | 7        | 12        |
| ILLEGITIMATE | ...   | 2         | 1        | 1         |
|              | TOTAL | <u>21</u> | <u>8</u> | <u>13</u> |

## Births.

Rate per 1,000 live and still births, standard 18.18.

The total number of births was 671 ; 323 males and 348 females.

## Deaths.

After correction for outwardly and inwardly transferable deaths a total of 416 (217 males and 199 females) deaths of residents were recorded during the year, giving a standard death rate of 13.74 per 1,000 of the estimated population. The death rate for England and Wales as a whole in 1960 was 11.5 Cardio-vascular diseases accounted for 156 of the total deaths.

**Live Births.** Number : 315 Males ; 335 Females. Total 650.

Rate per 1,000 population 17.61.

Illegitimate Live Births (per cent. of total live births).

23 Males. 13 Females. = 5.54%.

**Stillbirths.** Number : 8 Males ; 13 Females. Total 21.

Rate per 1,000 total live and still births 30.04.

For England and Wales the rate was 19.8.

TOTAL LIVE AND STILL BIRTHS 323 Males ; 348 Females Total 671.

INFANT DEATHS (deaths under 1 year) : 13 Males ; 11 Females.

Total 24.

## INFANT MORTALITY RATES :

Total infant deaths per 1,000 total live births 43.20.

Legitimate infant deaths per 1,000 legitimate live births 36.21.

Illegitimate infant deaths per 1,000 illegitimate live births 162.5.

NEO-NATAL MORTALITY RATE (deaths under 4 weeks per 1,000 total live births) 28.80.

Legitimate : 7 Males. 4 Females.

Illegitimate : 2 Males. 3 Females.

EARLY NEO-NATAL MORTALITY RATE (deaths under 1 week per 1,000 total live births) 23.40.

Legitimate : 7 Males. 3 Females.

Illegitimate : 1 Males. 2 Females.

PERINATAL MORTALITY RATE (still births and deaths under 1 week combined per 1,000 total live and still births) 59.29.

MATERNAL MORTALITY (including abortion) :

Number of deaths : Nil. Rate per 1,000 live and still births : Nil.

The following table gives the number of deaths recorded from the various causes during the year.

| Causes of Death                          | Male | Female | Total |
|--|------|--------|-------|
| Lung Cancer .. .. .                      | 10   | 4      | 14    |
| Other Cancers .. .. .                    | 23   | 30     | 53    |
| Leukaemia .. .. .                        | 2    | 3      | 5     |
| Vascular lesions of nervous system ..    | 47   | 41     | 88    |
| Coronary disease, angina .. .. .         | 40   | 35     | 75    |
| Hypertension with heart disease .. ..    | 5    | 5      | 10    |
| Other heart disease .. .. .              | 23   | 28     | 51    |
| Other circulatory diseases .. .. .       | 13   | 7      | 20    |
| Pneumonia .. .. .                        | 6    | 7      | 13    |
| Bronchitis .. .. .                       | 16   | 1      | 17    |
| Other respiratory diseases .. .. .       | 3    | 1      | 4     |
| Gastric or duodenal ulcer .. .. .        | 1    | —      | 1     |
| Gastritis and enteritis .. .. .          | —    | 1      | 1     |
| Nephritis and nephrosis .. .. .          | 1    | 2      | 3     |
| Diabetes .. .. .                         | —    | 1      | 1     |
| Hyperplasia of Prostate .. .. .          | 1    | —      | 1     |
| Congenital Malformations .. .. .         | 4    | 3      | 7     |
| Motor vehicle accidents .. .. .          | 2    | 1      | 3     |
| All other accidents .. .. .              | 2    | 4      | 6     |
| Suicide .. .. .                          | 2    | 1      | 3     |
| Tuberculosis (all forms) .. .. .         | 2    | 2      | 4     |
| Influenza .. .. .                        | —    | —      | —     |
| Other infections .. .. .                 | —    | —      | —     |
| Pregnancy, childbirth .. .. .            | —    | —      | —     |
| Meningococcal infection .. .. .          | —    | —      | —     |
| Syphylitic diseases .. .. .              | —    | —      | —     |
| All other causes than those specified .. | 16   | 19     | 35    |
| Homicide and operations of war .. .. .   | 1    | —      | 1     |
| TOTAL .. .. .                            | 220  | 196    | 416   |

The above table is based on information supplied by the Registrar General.



## INFECTIOUS DISEASES

The following table shows the number of cases notified and the deaths from the various infectious diseases (excluding tuberculosis) which occurred during 1960.

| Disease                 | Total cases notified | Total number after corrected diagnosis | Cases admitted to Hospital | Total Deaths |
|-------------------------|----------------------|--|----------------------------|--------------|
| Meningococcal Infection | 1                    | 1                                      | 1                          | -            |
| Scarlet Fever .. ..     | 15                   | 15                                     | 1                          | -            |
| Smallpox .. ..          | -                    | -                                      | -                          | -            |
| Diphtheria .. ..        | -                    | -                                      | -                          | -            |
| Enteric Fever .. ..     | -                    | -                                      | -                          | -            |
| Pneumonia .. ..         | 19                   | 19                                     | 1                          | 13           |
| Puerperal Pyrexia ..    | 10                   | 10                                     | 10                         | -            |
| Measles .. ..           | 309                  | 309                                    | 1                          | -            |
| Whooping Cough ..       | 67                   | 67                                     | 1                          | -            |
| Erysipelas .. ..        | 1                    | 1                                      | -                          | -            |
| Dysentery .. ..         | 12                   | 12                                     | -                          | -            |
| Acute Poliomyelitis ..  | -                    | -                                      | -                          | -            |
| Acute Encephalitis ..   | -                    | -                                      | -                          | -            |
| Ophthalmia Neonatorum   | -                    | -                                      | -                          | -            |
| Food Poisoning ..       | 1                    | 1                                      | -                          | -            |
| <b>TOTAL</b>            | <b>435</b>           | <b>435</b>                             | <b>15</b>                  | <b>13</b>    |

## TUBERCULOSIS

The following table shows in arrangement by age groups, the number of new cases notified and of deaths from tuberculosis occurring in the district during the year.

| AGE PERIODS | NEW CASES |    |               |   | DEATHS    |    |               |   |
|-------------|-----------|----|---------------|---|-----------|----|---------------|---|
|             | Pulmonary |    | Non-Pulmonary |   | Pulmonary |    | Non-Pulmonary |   |
|             | M         | F  | M             | F | M         | F  | M             | F |
| 0           | -         | -  | -             | - | -         | -  | -             | - |
| 1           | -         | -  | -             | - | -         | -  | -             | - |
| 5           | -         | -  | -             | - | -         | -  | -             | - |
| 15          | 1         | 1  | 3             | - | -         | -  | -             | - |
| 25          | 1         | 1  | -             | 1 | -         | -  | -             | - |
| 35          | -         | -  | -             | - | 1         | 1  | -             | - |
| 45          | -         | 1  | -             | - | -         | -  | -             | - |
| 55          | -         | -  | -             | - | -         | -  | -             | - |
| 65 and over | 1         | 1  | -             | - | 1         | 1  | -             | - |
| 1960        | 3         | 4  | 3             | 1 | 2         | 2  | -             | - |
| 1959        | 9         | 12 | 3             | 3 | 3         | 1  | -             | - |
| 1958        | 16        | 8  | 4             | 1 | 3         | 2  | 2             | - |
| 1957        | 17        | 9  | -             | 2 | 2         | 2  | -             | - |
| 1956        | 5         | 14 | 2             | 2 | 1         | 1  | -             | - |
| 1955        | 15        | 9  | 1             | - | 3         | 3  | 1             | - |
| 1954        | 13        | 7  | 2             | 1 | 7         | 5  | -             | - |
| 1953        | 15        | 19 | 2             | 2 | 6         | 6  | -             | 1 |
| 1952        | 23        | 21 | 1             | 3 | 6         | 9  | -             | 2 |
| 1951        | 18        | 11 | -             | 2 | 11        | 10 | 1             | - |

Since 1958 no special consideration has been given by the Council to housing applicants from a home containing a sufferer from pulmonary tuberculosis and during 1960 only one such family was re-housed.

### Mass Miniature Radiography.

The following statistics for 1960 relate to this district :

|                          | Male | Female | Total |
|--------------------------|------|--------|-------|
| Attendances .. ..        | 836  | 1090   | 1926  |
| Recalled .. ..           | 20   | 8      | 28    |
| Referred to Chest Clinic | 5    | 1      | 6     |

Of the numbers recalled :

None were found to be suffering from active tuberculosis.

11 had acquired heart conditions.

4 were suffering from Pneumoconiosis.

12 were listed under other conditions.

1 failed to attend for a clinical examination.

### WATER

A constant and unrestricted water supply is provided by the Council's waterworks to over 3,400 houses, serving a population of about 13,000 with water of good quality at a very reasonable cost. Each fortnight a sample is taken from a different part of the district served and submitted to the Public Health Laboratory for bacteriological examination. The results of these examinations have been consistently good.

During the year all houses and premises in the district served by the works have been examined on at least two occasions, the older part of the town receiving special attention and more frequent inspections.

Monthly consumption of water is as follows :

|       |            |      |            |       |            |
|-------|------------|------|------------|-------|------------|
| Jan.  | 15,040,000 | May  | 15,272,000 | Sept. | 11,708,000 |
| Feb.  | 12,251,000 | June | 11,000,000 | Oct.  | 11,307,000 |
| March | 15,377,000 | July | 13,424,000 | Nov.  | 15,418,000 |
| April | 11,944,000 | Aug. | 14,575,000 | Dec.  | 9,488,000  |

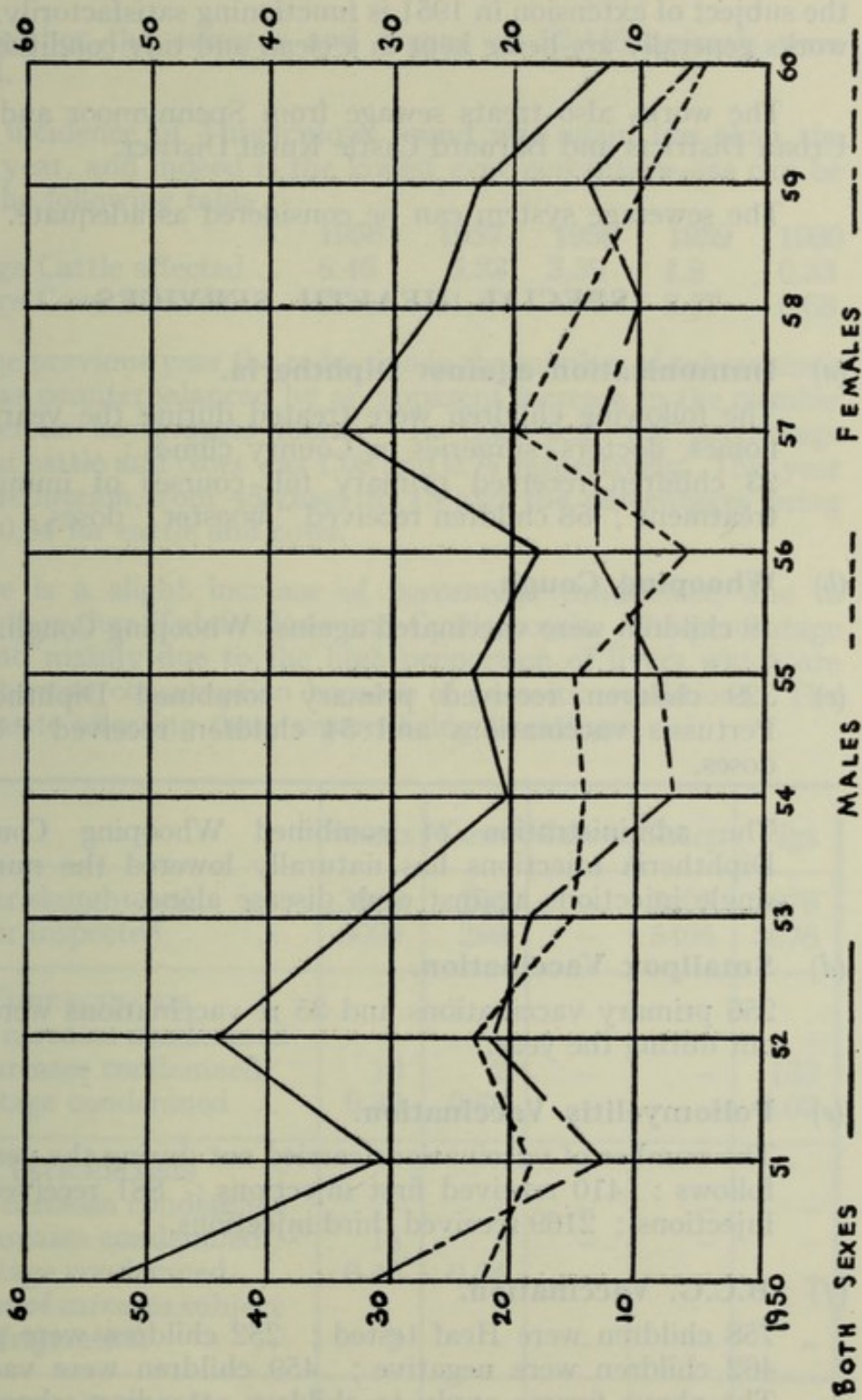
A total of 156,804,000 gallons for the year.

The remainder of the district is supplied by the Durham County Water Board which takes its own samples for bacteriological examination.

### SEWAGE DISPOSAL

The pumping station built at Escomb Sewage Disposal Works is now in operation. While this has relieved the problem of sewage disposal at Escomb it has aggravated the sludge disposal problem at the Vinovium works. It is now essential that the matter of sludge treatment facilities at the Vinovium works be treated as a matter of some urgency. Should conditions be allowed to deteriorate further, then there is no doubt that the Manager's house on the works will become untenable and alternative housing would have to be provided.

NOTIFICATIONS OF PULMONARY  
TUBERCULOSIS INCLUDING INWARD TRANSFERS



The suspended solids being discharged in the final effluent to the river are, as usual, in excess of the River Board's standard of 30 parts per million.

It should be said that the section of the present plant that was the subject of extension in 1951 is functioning satisfactorily, and the works generally are being kept in a clean and tidy condition.

The works also treats sewage from Spennymoor and Shildon Urban Districts and Barnard Castle Rural District.

The sewerage system can be considered as adequate.

### **SPECIAL HEALTH SERVICES**

(a) **Immunisation against Diphtheria.**

The following children were treated during the year in their homes, doctors' surgeries or County clinics :

23 children received primary full courses of immunisation treatment ; 58 children received " booster " doses.

(b) **Whooping Cough.**

19 children were vaccinated against Whooping Cough.

(c) 329 children received primary combined Diphtheria and Pertussis vaccinations and 54 children received " booster " doses.

The administration of combined Whooping Cough and Diphtheria injections has naturally lowered the numbers of single injections against each disease alone.

(d) **Smallpox Vaccination.**

256 primary vaccinations and 35 re-vaccinations were carried out during the year.

(e) **Poliomyelitis Vaccination.**

The number of vaccinations carried out during the year was as follows : 410 received first injections ; 881 received second injections ; 2169 received third injections.

(f) **B.C.G. Vaccination.**

758 children were Heaf tested ; 252 children were positive ; 462 children were negative ; 459 children were vaccinated. The above figures apply to children attending schools in the Bishop Auckland Urban District.

(g) **Home Help Service.**

The services of a home help was applied to 171 households.

## MEAT INSPECTION

In 1960 a 100% inspection of all animals slaughtered within the Urban District was carried out during the course of 1,454 visits to the seven licensed slaughterhouses.

Altogether the carcasses and organs of 12,446 animals were inspected.

The incidence of Tuberculosis found was again less than the previous year, and indeed is the lowest ever percentage—as can be seen by the following table :

|                               | 1956 | 1957  | 1958 | 1959 | 1960 |
|-------------------------------|------|-------|------|------|------|
| Percentage Cattle affected .. | 6.46 | 5.33  | 3.39 | 1.9  | 0.33 |
| Percentage Cows affected ..   | 8.36 | 11.12 | 4.97 | 3.57 | 0.68 |

In the previous year the reduction in the number of tuberculosis organs was counterbalanced by an apparent increase in the number of cysticercus bovis cysts found. In that year the percentage affected of cattle and cows was 1.08 and 0.77 respectively. This year shows a reduction from 45 cases to 15 and the percentages being 0.46 and 0.34 for cattle and cows.

There is a slight increase of percentage condemned due to diseases other than Tuberculosis and Cysticercosis. The percentage is high and mainly due to the high proportion of livers which are unfit for human consumption because of parasitic conditions. The main parasite affecting these organs being fascioliasis.

|   | Beasts | Cows | Calves | Sheep | Pigs |
|---|--------|------|--------|-------|------|
| Number slaughtered ..                           | 3069   | 296  | —      | 5405  | 3676 |
| Number inspected ..                             | 3069   | 296  | —      | 5405  | 3676 |
| <b>TUBERCULOSIS</b>                             |        |      |        |       |      |
| Whole carcasses condemned                       | —      | —    | —      | —     | —    |
| Part carcasses condemned                        | 10     | 2    | —      | —     | 133  |
| Percentage condemned ..                         | 0.33   | 0.68 | —      | —     | 3.62 |
| <b>CYSTICERCOSIS</b>                            |        |      |        |       |      |
| Whole carcasses condemned                       | —      | —    | —      | —     | —    |
| Part carcasses condemned                        | 14     | 1    | —      | —     | —    |
| Percentage condemned ..                         | 0.46   | 0.34 | —      | —     | —    |
| Number of carcasses subject to refrigeration .. | 2      | —    | —      | —     | —    |
| <b>OTHER DISEASES</b>                           |        |      |        |       |      |
| Whole carcasses condemned                       | —      | —    | —      | 8     | 1    |
| Part carcasses condemned                        | 1611   | 127  | —      | 209   | 312  |
| Percentage condemned ..                         | 52.49  | 42.9 | —      | 4.01  | 8.51 |

## SLAUGHTERHOUSES

Eight slaughterhouse licenses were issued during the year allowing slaughtering at the following premises :

1. Leazes Farm, Leazes Lane, St. Helen's Auckland.
2. Staindrop Road, West Auckland.
3. Grey Street, Bishop Auckland.
4. Newgate Street, Bishop Auckland.
5. Chester Street, Bishop Auckland.
6. Violet Banks, Etherley Dene.
7. Main Street, Witton Park, Bishop Auckland.
8. Brook Street, Coundon Grange.

All premises, with the exception of the last one, remained in use during the year.

1,490 visits were made to slaughterhouses for the purpose of meat inspection, when the carcasses and organs of 12,446 animals were examined.

In 1960, 29 licences to slaughter or stun animals were issued.

## SLAUGHTERHOUSE ACT, 1958

### THE SLAUGHTERHOUSE (Reports) DIRECTION 1959

In accordance with Section 3 of the 1958 Act, the Council reviewed the existing and probable future requirements of the Urban District for slaughterhouse facilities. The required report was published in the manner prescribed.

The Council was satisfied after consultation with all interested parties that the existing facilities were adequate, and indeed would continue to be adequate although there would remain in operation only four slaughterhouses, after the appointed day. The adequacy of facilities was emphasised by the fact that during the period of Ministry Control there was slaughtered weekly in one slaughter house almost double the number slaughtered in the seven premises.

The Council recommended that the 1st day of January, 1962 be the date which the Minister might fix for the construction regulations to apply to all slaughterhouses in the district.

The Report was confirmed by the Minister of Agriculture, Fisheries and Food.

The only slaughterhouses that will be licenced in the Urban Area after 31st December, 1961, providing they meet the requirements of the Regulations, will be at :

1. Grey Street, Bishop Auckland.
2. Newgate Street, Bishop Auckland.
3. Violet Banks, Etherley Dene.
4. Main Street, Witton Park.

## VOLUNTARY SURRENDER OF FOOD

Frequent visits are made each year to food premises, at the occupiers' request, to examine food and certify whether such food is unfit for human consumption.

All food found unfit is either destroyed or buried at the Council's refuse tip.

The following is the quantity of foodstuffs found unfit and voluntarily surrendered in 1960.

|                     |                                    |
|---------------------|------------------------------------|
| 15 tins Ham.        | 435 tins Meat.                     |
| 602 tins Fruit.     | 443 tins Vegetables.               |
| 139 tins Soup.      | 50 tins Rice.                      |
| 64 tins Milk.       | 23 tins Fish.                      |
| 23 jars Pickles.    | 438 packets assorted frozen foods. |
| 208 packets Fish.   | 14 lb. Fish.                       |
| 1,736 lb. Potatoes. | 35 lb. Bacon.                      |
| 32 lb. Butter.      | 112 lb. Butter Beans.              |

## FOOD PREMISES

The following shows the numbers of the various food premises in the Urban Area :

- 182 General Dealers.
- 10 Greengrocers and/or Fruiterers.
- 39 Confectioners.
- 7 Wet Fish Shops.
- 22 Fried Fish and Chip Shops.
- 11 Bakehouses.
- 21 premises where Milk only is retailed.
- 35 Butchering premises.
- 21 Snack Bars, Cafes and Restaurants.
- 30 General Grocery Shops.
- 30 premises registered for Preserved Foods.

The number of visits made in the year to food premises was 561.

## SHOPS ACT

This Act regulates the working hours and welfare of shop assistants ; and general and Sunday closing hours. During the year 95 visits were made in order to investigate complaints or to inquire whether any provisions of the Act required to be enforced.



## MILK

In the District there are 51 premises registered under the Milk and Dairies Regulations for the distribution of milk.

Unfortunately the close control exercised by the Council over these premises ceased at the end of the year when all functions under the Regulations were transferred to the County Council.

In 1960 the following licences were issued :

### LICENCES.

|                                |    |
|--------------------------------|----|
| Tuberculin Tested Milk .. .. . | 2  |
| Pasteurised Milk .. .. .       | 41 |
| Sterilised Milk .. .. .        | 14 |

### SUPPLEMENTARY LICENCES.

|                                |   |
|--------------------------------|---|
| Tuberculin Tested Milk .. .. . | - |
| Pasteurised Milk .. .. .       | 1 |

## ICE CREAM

The sampling of ice cream for bacteriological examination indicates the efficiency of plant cleaning and sterilisation, and also indicates the contamination, if any, of the product and the standard of hygiene of the food handlers.

15 samples were taken, and these were classified by the Public Health Laboratory, Newcastle, as follows :

|            | 1958 | 1959 | 1960 |
|------------|------|------|------|
| Grade 1 .. | 8    | 3    | 2    |
| Grade 2 .. | 4    | 2    | 6    |
| Grade 3 .. | 6    | 1    | 3    |
| Grade 4 .. | 12   | 1    | 4    |

### Premises Registered.

|  |     |
|--|-----|
| Manufacture, storage and sale of ice cream | 7   |
| Storage and sale only .. .. .              | 141 |

## FACTORIES

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

| PREMISES<br>(1)  | Number<br>on<br>Register<br>(2) | Inspec-<br>tions<br>(3) | Number of                 |                                     |
|--|---------------------------------|-------------------------|---------------------------|-------------------------------------|
|  |                                 |                         | Written<br>Notices<br>(4) | Occupiers<br>Pros-<br>ecuted<br>(5) |
| (i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced<br>by Local Authorities .. .. .                   | 18                              | 21                      | 3                         | -                                   |
| (ii) Factories not included in (i) in which Section 7 is enforced<br>by the Local Authority .. .. .                    | 105                             | 151                     | 6                         | -                                   |
| (iii) Other premises in which Section 7 is enforced by the Local<br>Authority (excluding out-workers premises) .. .. . | 10                              | 10                      | -                         | -                                   |
| TOTAL .. .. .  | 133                             | 182                     | 9                         | -                                   |

2. Cases in which DEFECTS were found.

(If defects are discovered at the premises on two, three or more separate occasions they are reckoned as two, three or more 'cases')

| PARTICULARS<br>(1)                                       | Number of cases in which defects were found |              |                                |                                | Number of cases in which process were instituted (6) |
|--|---|--------------|--------------------------------|--------------------------------|--|
|  | Found (2)                                   | Remedied (3) | Referred to H.M. Inspector (4) | Referred by H.M. Inspector (5) |  |
| Want of Cleanliness (S.1) .. .. .                        | 10  | 10           | -                              | -                              | -  |
| Overcrowding (S.2) .. .. .                               | -   | -            | -                              | -                              | -  |
| Unreasonable Temperature (S.3) .. .. .                   | -   | -            | -                              | -                              | -  |
| Inadequate Ventilation (S.4) .. .. .                     | -   | -            | -                              | -                              | -  |
| Ineffective Drainage (S.6) .. .. .                       | -   | -            | -                              | -                              | -  |
| Sanitary Conveniences (S.7) .. .. .                      | -   | -            | -                              | -                              | -  |
| (a) Insufficient .. .. .                                 | -   | -            | -                              | -                              | -  |
| (b) Unsuitable or Defective .. .. .                      | 6   | 6            | -                              | 1                              | -  |
| (c) Not separate for sexes .. .. .                       | -   | -            | -                              | -                              | -  |
| Other Offences against the Act (not relating to outwork) | -   | -            | -                              | -                              | -  |
| TOTAL  | 16  | 16           | -                              | 1                              | -  |

Part VIII of the Act does not apply.

## HOUSING

### Slum Clearance.

During the year seven Clearance Areas were declared and submitted to the Minister of Housing and Local Government. These were :

| Area                                   | Houses   |
|--|----------|
| Bank Top, Newfield .. .. .             | 1 and 2. |
| Bank Terrace, Newfield .. .. .         | 1-4.     |
| Bridge Street, Newfield .. .. .        | 1-13.    |
| Bush Street, Newfield .. .. .          | 1-16.    |
| Challies Street, Newfield .. .. .      | 1-40.    |
| Hill Terrace, Newfield .. .. .         | 1-4.     |
| Fore Bondgate, Bishop Auckland .. .. . | 21-24.   |

### Individual Orders.

| House  | Order       |
|--|-------------|
| 26, Low Queen Street, Witton Park .. .. .        | Closing.    |
| 64, Garden Street, Witton Park .. .. .           | Closing.    |
| 65, Low King Street, Witton Park .. .. .         | Demolition. |
| 32, John Street, Witton Park .. .. .             | Demolition. |
| 33, John Street, Witton Park .. .. .             | Demolition. |
| 11, Hawthorne Cottages, Bishop Auckland .. .. .  | Closing.    |
| - 10, South Terrace, Bishop Auckland .. .. .     | Closing.    |
| - 7, Peases Street, St. Helen's Auckland .. .. . | Closing.    |
| 5, Bridge End, South Church. .. .. .             | Demolition. |
| 6, Bridge End, South Church. .. .. .             | Demolition. |
| 7, Bridge End, South Church .. .. .              | Demolition. |
| 28, Main Street, South Church .. .. .            | Demolition. |
| 29, Main Street, South Church .. .. .            | Demolition. |
| 28, Westerton Village .. .. .                    | Demolition. |
| 29, Westerton Village .. .. .                    | Demolition. |
| 21, South View, Westerton .. .. .                | Undertaking |
| 41, Collingwood Street, Coundon .. .. .          | Demolition  |
| 67, Wharton Street, Coundon .. .. .              | Closing     |
| 16, Park Terrace, Coundon Gate .. .. .           | Closing.    |
| 17, Park Terrace, Coundon Gate .. .. .           | Closing.    |
| 18, Park Terrace, Coundon Gate .. .. .           | Closing.    |

Altogether 104 houses were represented either collectively or individually as being unfit for human habitation.

### General.

#### (a) WORK ON HOUSES UNDER PUBLIC HEALTH ACT, 1936.

|   |     |
|---|-----|
| Houses found to be defective in repair .. .. .            | 161 |
| Number of informal notices served .. .. .                 | 161 |
| Number of formal notices served .. .. .                   | 65  |
| Houses rendered free from nuisances complained of .. .. . | 170 |

(b) HOUSES CAPABLE OF REPAIR AT REASONABLE COST.  
HOUSING ACT, 1957.  
No notice served during 1960.

(c) HOUSES INCAPABLE OF REPAIR AT REASONABLE COST.  
HOUSING ACT, 1957.

|                        |    |    |    |    |    |
|------------------------|----|----|----|----|----|
| Demolition Orders made | .. | .. | .. | .. | 11 |
| Closing Orders made    | .. | .. | .. | .. | 9  |
| Undertakings Accepted  | .. | .. | .. | .. | 1  |

(d) RENT ACT.

The following table shows a summary of work carried out under the Act during the year.

1. Applications for Certificate of Disrepair.

|  |    |    |    |    |   |
|--|----|----|----|----|---|
| Number of applications for Certificate   | .. | .. | .. | .. | 8 |
| Number of decisions not to issue Certificate   | .. | .. | .. | .. | 1 |
| Number of decisions to issue Certificate :   |    |    |    |    |   |
| (a) In respect of some, but not all the defects  |    |    |    |    | 3 |
| (b) In respect of all the defects  | .. | .. | .. | .. | 3 |
| Number of Undertakings given by landlords under Paragraph 5 of the First Schedule                    | .. | .. | .. | .. | 2 |
| Number of Undertakings refused by local authority under proviso of Paragraph 5 of the First Schedule | .. | .. | .. | .. | - |
| Number of Certificates issued  | .. | .. | .. | .. | - |

2. Applications for Cancellation of Certificates.

|   |    |    |    |    |   |
|---|----|----|----|----|---|
| Applications by landlords to local authority for cancellation of Certificates | .. | .. | .. | .. | 3 |
| Objections by tenants to cancellation of Certificates                         | .. | .. | .. | .. | - |
| Decisions by local authority to cancel in spite of tenant's objection         | .. | .. | .. | .. | - |
| Certificates cancelled by local authority                                     | .. | .. | .. | .. | 3 |

(e) STANDARD GRANTS.

The Council's Engineer and Surveyor deals with all applications which are granted subject to a Certificate of Fitness from the Chief Public Health Inspector. Where, upon inspection, it is found that a substantial amount of repair is required, a list is sent to the applicant who must either carry out the work prior to approval, or undertake in writing that such work will be completed prior to or during the time the amenities are being provided.

|   |    |    |    |    |     |
|---|----|----|----|----|-----|
| (a) Number of applications submitted to local authority | .. | .. | .. | .. | 106 |
| (b) Number of applications rejected                     | .. | .. | .. | .. | 1   |
| (c) Number of applications approved since inception     | .. | .. | .. | .. | 162 |
| (d) Number of grants paid since inception               | .. | .. | .. | .. | 64  |

**SUMMARY.**

**HOUSES DEMOLISHED IN 1960**

|  | Houses Demol'ed or Closed | Re-housing |          |
|--|---------------------------|------------|----------|
|  |                           | Persons    | Families |
| IN CLEARANCE AREAS.<br>Houses unfit for human habitation .. .. .                         | 106                       | 188        | 54       |
| NOT IN CLEARANCE AREAS.<br>Action under Section 17 (1) Housing Act, 1957 .. .. .         | 1                         | 21         | 5        |
| UNFIT HOUSES CLOSED.<br>Action under Sections 16 (4) and 17 (1) Housing Act 1957 .. .. . | 2                         | 26         | 10       |
| Action under Section 17 (3)  | 1                         | 6          | 2        |
| TOTAL  | 110                       | 241        | 71       |

**HOUSES WHICH WERE UNFIT BUT REMEDIED IN 1960**

|  | By Owner | By Local Authority |
|--|----------|--------------------|
| PUBLIC HEALTH ACT, 1936.                             |          |                    |
| (a) After Informal Action by Local Authority .. .. . | 118      | —                  |
| (b) After Formal Action by Local Authority .. .. .   | 52       | —                  |
| HOUSING ACT, 1957.                                   |          |                    |
| (a) After Informal Action by Local Authority .. .. . | —        | —                  |
| (b) After Formal Action by Local Authority .. .. .   | —        | —                  |
| TOTAL  | 170      | —                  |

**Inspections.**

|  |      |
|--|------|
| (a) Under Public Health, Housing and Rent Acts .. .. . | 4051 |
| (b) Under House Purchase and Housing Act .. .. .       | 185  |

TOTAL 4236

Altogether 323 families benefitted directly due to the Council's action in 1960 of replacing unfit houses or securing their repair.

### New Houses.

In 1960 a total of 114 new houses or flats were provided in the Urban District—an increase of 7 over that of 1959.

|                                    | 1957       | 1958       | 1959       | 1960       |
|------------------------------------|------------|------------|------------|------------|
| Built by Local Authority .. ..     | 76         | 124        | 58         | 84         |
| Built by Private Enterprise .. ..  | 33         | 25         | 31         | 30         |
| Built by Durham County Council ..  | 7          | 5          | 15         | —          |
| Converted into flats (1 house) ..  | 3          | 2          | 3          | —          |
| Converted from factory premises .. | —          | 1          | —          | —          |
| <b>TOTALS</b>                      | <b>119</b> | <b>157</b> | <b>107</b> | <b>114</b> |

### Housing Statistics

Year 1st January, 1960 to 31st December, 1960

#### 1. NUMBER ON WAITING LISTS AS AT 31/12/60.

| Waiting List           | Tenants    | Sub-Tenants | Total      |
|------------------------|------------|-------------|------------|
| (a) General .. ..      | 398        | 145         | 543        |
| (b) Aged Persons .. .. | 206        | 15          | 221        |
| <b>TOTALS</b>          | <b>604</b> | <b>160</b>  | <b>764</b> |

#### 2. NUMBER OF FAMILIES RE-HOUSED.

##### (a) New Dwellings.

|                          |           |
|--------------------------|-----------|
| Slum Clearance .. ..     | 56        |
| Keyworkers .. ..         | 20        |
| Aged Persons' List .. .. | 8         |
| General List .. ..       | —         |
|                          | <b>84</b> |

##### (b) Re-Lets of Existing Accommodation.

|                          |           |
|--------------------------|-----------|
| Slum Clearance .. ..     | 3         |
| Keyworkers .. ..         | 6         |
| Aged Persons' List .. .. | 10        |
| General List .. ..       | 22        |
|                          | <b>41</b> |

**TOTAL** **125**

#### 3. OVERCROWDED FAMILIES.

Of the total of 125 families re-housed during the year 1/1/60 to 31/12/60, the following were living in overcrowded conditions :

|   |    |
|---|----|
| Statutorily Overcrowded .. ..                                       | 53 |
| “Points” Scheme (i.e. lack of adequate bedroom accommodation) .. .. | 78 |

**GENERAL PUBLIC HEALTH SUMMARY**

|                                   | Number of Inspections | Number of Informal Notices served | Number of Statutory Notices served | Defects remedied after Notice | Legal Pro-ceedings |
|-----------------------------------|-----------------------|-----------------------------------|------------------------------------|-------------------------------|--------------------|
| Public Health and Housing Acts    | 4051                  | 74                                | 41                                 | 73                            | -                  |
| Overcrowding .. .. .              | 5                     | -                                 | -                                  | -                             | -                  |
| Defective Sanitary Conveniences   | 30                    | 30                                | 16                                 | 30                            | -                  |
| Drainage .. .. .                  | 526                   | 20                                | 4                                  | 20                            | -                  |
| Water Supply .. .. .              | 10                    | 8                                 | -                                  | 8                             | -                  |
| Food Premises .. .. .             | 561                   | 6                                 | -                                  | 5                             | -                  |
| Shops Act .. .. .                 | 95                    | -                                 | -                                  | -                             | -                  |
| Dairies .. .. .                   | 32                    | -                                 | -                                  | -                             | -                  |
| Slaughterhouses .. .. .           | 1454                  | 1                                 | -                                  | 1                             | -                  |
| Movable Dwellings .. .. .         | 10                    | -                                 | -                                  | -                             | -                  |
| Factories and Workplaces          | 182                   | 3                                 | -                                  | 1                             | -                  |
| Keeping of Animals .. .. .        | 2                     | 3                                 | -                                  | 3                             | -                  |
| Insanitary Ashpits, etc. .. .     | 26                    | 16                                | 4                                  | 16                            | -                  |
| Offensive Accumulations           | 2                     | -                                 | -                                  | -                             | -                  |
| Smoke Nuisances .. .. .           | 46                    | 4                                 | -                                  | 4                             | -                  |
| Prevention of Damage by Pests Act | 357                   | -                                 | -                                  | -                             | -                  |
| Miscellaneous Visits .. .. .      | 706                   | -                                 | -                                  | -                             | -                  |
| Interviews .. .. .                | 521                   | -                                 | -                                  | -                             | -                  |
| Pet Animals Act .. .. .           | 10                    | -                                 | -                                  | -                             | -                  |
| Agriculture Regulations .. .      | 49                    | -                                 | -                                  | -                             | -                  |
| Market .. .. .                    | 68                    | -                                 | -                                  | -                             | -                  |
| Standard Grants .. .. .           | 185                   | -                                 | -                                  | -                             | -                  |



## CONVERSIONS TO WATER CARRIAGE

During the year a total of 59 conservancy closets were converted to the water carriage system. At the end of the year, due to conversions and elimination of sanitary conveniences by demolition of houses ; or provision of water closets by erection of new houses, the various types of sanitary conveniences in the Urban District were as follows :

|                                  |        |
|----------------------------------|--------|
| Water Closets .. .. .            | 11,800 |
| Ashclosets .. .. .               | 1,400  |
| Ashpits and Ashpit Privies .. .. | 115    |

Over the period of seven years commencing 1954, a total of 1723 conversions has been carried out, as shown in the following comparative table :

| Year          | CONVERSIONS |                 | Total       |
|---------------|-------------|-----------------|-------------|
|               | Owners      | Local Authority |             |
| 1954          | 110         | 317             | 427         |
| 1955          | 117         | 34              | 151         |
| 1956          | 115         | 232             | 347         |
| 1957          | 57          | 188             | 245         |
| 1958          | 70          | 271             | 341         |
| 1959          | 61          | 92              | 153         |
| 1960          | 59          | —               | 59          |
| <b>TOTALS</b> | <b>589</b>  | <b>1134</b>     | <b>1723</b> |

## RODENT CONTROL

|   | TYPE OF PROPERTY       |                        |                           |                                    |                      |
|---|------------------------|------------------------|---------------------------|------------------------------------|----------------------|
|   | Local Authority<br>(1) | Dwelling Houses<br>(2) | All other premises<br>(3) | Totals of columns 1,2 and 3<br>(4) | Agri-cultural<br>(5) |
| Number of Premises in the area .. .. .                            | 61                     | 11,176                 | 1,836                     | 13,073                             | 104                  |
| Number of Premises inspected as a result of :                     |                        |                        |                           |                                    |                      |
| (a) Notification .. .. .  | 10                     | 78                     | 62                        | 150                                | 1                    |
| (b) Survey under the Act .. .. .                                  | 3                      | 108                    | 65                        | 176                                | 2                    |
| (c) Otherwise .. .. .   | -                      | 10                     | -                         | 10                                 | 1                    |
| Total inspections carried out ( <i>including re-inspections</i> ) | 81                     | 548                    | 431                       | 1,060                              | 26                   |
| Number of Premises inspected which were found to be infested by : |                        |                        |                           |                                    |                      |
| (a) Rats. Major .. .. .   | 5                      | 18                     | 27                        | 50                                 | 2                    |
| Minor .. .. .   | 4                      | 156                    | 54                        | 214                                | 2                    |
| (b) Mice. Major .. .. .   | -                      | 2                      | 4                         | 6                                  | -                    |
| Minor .. .. .   | 4                      | 20                     | 13                        | 37                                 | -                    |
| Number of Infested Premises Treated .. .. .                       | 13                     | 196                    | 98                        | 307                                | 4                    |
| Total Treatments Carried Out .. .. .                              | 64                     | 375                    | 315                       | 754                                | 21                   |
| Number of Notices served for :                                    |                        |                        |                           |                                    |                      |
| Treatment .. .. .   | -                      | -                      | -                         | -                                  | -                    |
| Proofing .. .. .  | -                      | 10                     | 4                         | -                                  | -                    |
| Number of Block Treatments .. .. .                                | 2                      | 10                     | 2                         | 14                                 | -                    |

# REPORT OF CHIEF PUBLIC HEALTH INSPECTOR

## ON PUBLIC CLEANSING

*To The Medical Officer of Health.*

Madam,

I am pleased to submit this report on the work carried out by the personnel of the Cleansing Department during 1960.

### **Collection and Disposal of Refuse.**

During the year work was carried out relatively smoothly and despite difficulties due to sickness, holidays and a shorter working week, a weekly collection was maintained.

The working week was reduced from forty-four hours to forty-two hours, which now results in the loss of 2,724 hours each year—or the equivalent working time of  $1\frac{1}{4}$  men. Work is now being carried out by three men less in the Department than were employed two years ago.

Refuse bulk continues to increase, and 9,692 loads were collected this year. This is an increase of 245 loads on 1959, and 726 on 1958.

Although the refuse is bulkier, it remains in this area heavier than the national average. On test weighings throughout the year the weight averaged at 6.3 cwts. per cu. yard—the national average is approximately 4 cwts. per cu. yard. These weighings indicate a total weight of 18,507 tons collected and disposed of during the year. The weight for 1959 was 14,041 tons.

The density of our refuse is mainly due to the weight from mining communities and the contents from ashclosets.

This is borne out by examples of weighings from four of the districts :

|                      |       |                         |
|----------------------|-------|-------------------------|
| Newfield             | .. .. | 7 cwts. per cu. yard.   |
| Leasingthorne        | .. .. | 7.9 cwts. per cu. yard. |
| Witton Park          | .. .. | 5.9 cwts. per cu. yard. |
| Bishop Auckland Town |       | 3.8 cwts. per cu. yard. |

### **Refuse Tip.**

Three refuse disposal tips were again used, viz : Witton Park, Newfield and Black Boy, (Gurney Valley.)

The tip at Witton Park has been in use since the early 1930's. It's major defect has always been the tremendous tipping face which had a height of about 25 feet. This was contrary to good cleansing practice, and during the year the bulldozer was employed in reducing this height to 12 feet. Even this is twice the height accepted, but was the lowest that could be attained and it has had the effect of reducing smoke and fire to almost complete minimum.

At Gurney Valley—the original void is rapidly filling up and its estimated life of fifty years when purchased will be more in the order of 15 years.

During the year all three tips were systematically treated against rodents.

### **Waste Paper.**

A weekly collection of waste paper from shops continues when practicable, and this has resulted in traders being used to such a service—with consequent beneficial results.

The quantity of paper sent baled to the Thames Board Mills was 169 tons—an increase on last year of just over 95 tons.

### **Trade Refuse.**

On the 1st October, 1960, the Council instituted a new scheme for the regular collection and disposal of trade refuse.

The old system of receipts from the refuse collectors for sixpence per bin collected, and occasional accounts being sent out at irregular intervals ceased.

The new scheme requires :

- (a) Service to any premises to be subject to proper application.
- (b) Applicant entering into an agreement with the Clerk of the Council.
- (c) Pre-payment of the charges, bi-annually, to the Treasurer.

All refuse accepted as salvage, (i.e. that which has a ready sale potential) is collected free provided it is free from contraries, clean and dry, and suitably bundled or sacked.

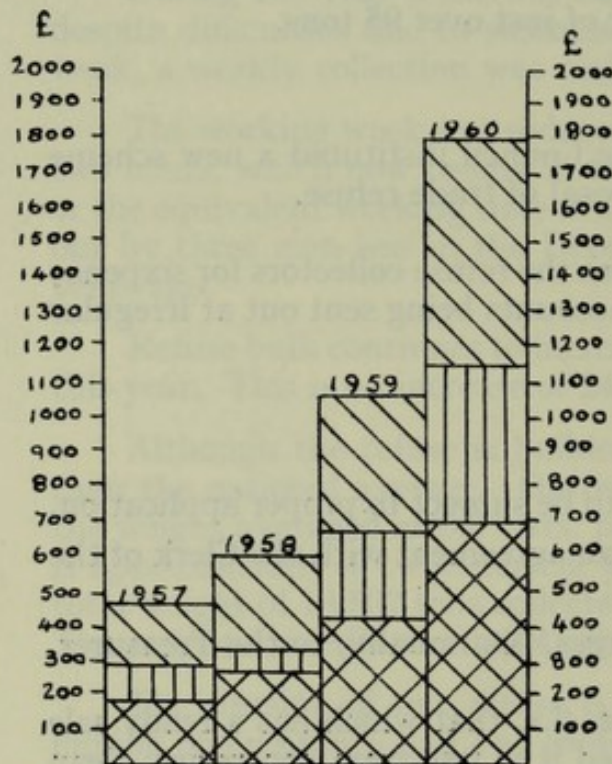
A casual service was instituted and available to persons having an occasional or intermittent supply of refuse, or salvage which is unsuitable.

The charge for the regular collection was increased from sixpence to ninepence per bin, but was charged as £1 per bin per weekly collection calculated as a half yearly sum.

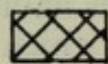
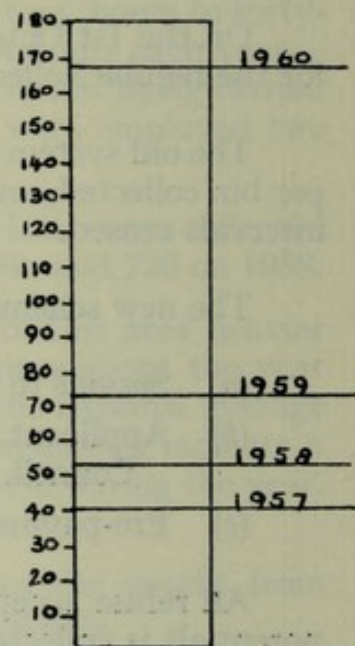
The casual service charge is a standard one of 10/- per load or part load, plus the estimated cost of vehicle and labour on a time basis (at present £1 per hour.).

This new system has eased considerably the administrative side of Trade Refuse collections and saved time on collection. It has also resulted, by virtue of a survey in more firms paying for this service. This can be easily seen on the bar diagrams on Income.

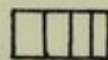
## INCOME



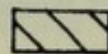
## PAPER TONNAGE



INCOME FROM TRADE REFUSE AND SCRAP



INCOME FROM WASTE PAPER



TOTAL INCOME

## Income.

The income from waste paper ; trade refuse and scrap ; and total income are shown clearly on the bar diagrams. 1960 is easily the best year for income from all sources, and shows an increase of 72.5% over 1959.

The following comparative table shows figures for this year and the three previous years.

| Income             | 1957             | 1958             | 1959              | 1960              |
|--------------------|------------------|------------------|-------------------|-------------------|
| From Paper Sales   | £290-12-6        | £318-3-9         | £633-7-6          | £1,133-8-0        |
| From Sale of Scrap | £41-15-0         | £21-14-6         | £9-0-0            | £8-1-0            |
| From Trade Refuse  | £122-7-10        | £261-1-3         | £399-16-0         | £656-13-0         |
| TOTALS             | <u>£454-15-4</u> | <u>£600-19-6</u> | <u>£1,042-3-6</u> | <u>£1,798-2-0</u> |

## Vehicles.

In the year an eighteen years old vehicle was replaced by a new one. The age of the vehicle reflects on the work carried out by the two mechanics. All vehicles are washed and greased weekly and are always kept in good appearance.

The following numbers of man hours gives some indication of work done on vehicles, and the items shown are only part of the servicing given :

|  |                         |            |
|--|-------------------------|------------|
|  | Cab and Body Repairs .. | 560 hours. |
|  | General Service .. ..   | 500 hours. |
|  | Springs .. ..           | 61 hours.  |
|  | Brakes .. ..            | 170 hours. |
|  | Engine Repairs .. ..    | 100 hours. |

## Staff.

The following table shows time lost in days due to sickness in 1960, and this is compared with the four preceding years.

| NUMBER OF DAYS LOST DUE TO SICKNESS |      |      |      |      |      |
|-------------------------------------|------|------|------|------|------|
| Month                               | 1956 | 1957 | 1958 | 1959 | 1960 |
| January ..                          | 41   | 72   | 82   | 5    | 31   |
| February ..                         | 73   | 35   | 89   | 56   | 54   |
| March ..                            | 37   | 47   | 53   | 37   | 15   |
| April .. ..                         | 20   | 44   | 35   | 54   | 13   |
| May .. ..                           | 24   | 17   | 16   | 47   | 21   |
| June .. ..                          | 35   | 2    | 29   | 7    | —    |
| July .. ..                          | 47   | 5    | 10   | 5    | —    |
| August ..                           | 57   | 14   | 41   | 21   | 11   |
| September ..                        | 28   | 82   | 85   | 46   | 53   |
| October ..                          | 43   | 32   | 45   | 14   | 40   |
| November ..                         | 15   | 17   | 2    | —    | 65   |
| December ..                         | 35   | 25   | 2    | 43   | 37   |
| TOTALS                              | 455  | 392  | 489  | 335  | 340  |

The total number of working days available during the year was 6,126.

The total time lost from all causes was 364 days.

|             | 1956 | 1957 | 1958 | 1959 | 1960 |
|-------------|------|------|------|------|------|
| Time Lost % | 6.9  | 6.05 | 7.63 | 5.78 | 5.94 |

R. SNOWDON, M.A.P.H.I., M.R.S.H.,  
M.R.I.P.H.H., A.M.INST.P.C., I.S.A.A. (Dip.).  
*Chief Public Health Inspector  
and Cleansing Officer.*

APPENDIX.

Comparisons in Vital Statistics, etc., during the years 1951-1960

| VITAL STATISTICS               | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| Crude Birth Rate               | 18.8 | 17.4 | 17.9 | 18.3 | 17.6 | 17.3 | 18.6 | 20.2 | -    | -    |
| Standard Birth Rate            | ..   | ..   | ..   | ..   | ..   | ..   | 17.8 | 19.4 | 16.8 | 17.6 |
| Crude Death Rate               | 14.5 | 11.6 | 11.2 | 11.6 | 11.0 | 11.6 | 11.4 | 12.5 | -    | -    |
| Standard Death Rate            | ..   | ..   | ..   | ..   | ..   | ..   | 13.5 | 14.7 | 12.8 | 13.7 |
| Crude Infant Mortality Rate    | 35.5 | 27.3 | 21.3 | 35.1 | 38.5 | 30.6 | 35.1 | 22.4 | -    | -    |
| Standard Infant Mortality Rate | ..   | ..   | ..   | ..   | ..   | ..   | 41.4 | 24.0 | 26.2 | 43.2 |

TUBERCULOSIS.

NEW CASES NOTIFIED.

|                     | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Pulmonary Cases ..  | 29   | 44   | 34   | 20   | 24   | 19   | 26   | 24   | 21   | 7    |
| Non-Pulmonary Cases | 2    | 4    | 4    | 3    | 1    | 4    | 2    | 5    | 6    | 4    |



**INFECTIOUS DISEASES — Notifications and Deaths**  
(excluding Tuberculosis and Food Poisoning)

|                             | 1951       |           | 1952       |           | 1953        |           | 1954       |           | 1955       |           | 1956       |           | 1957       |           | 1958       |          | 1959       |           | 1960       |           |
|-----------------------------|------------|-----------|------------|-----------|-------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|-----------|
|                             | N          | D         | N          | D         | N           | D         | N          | D         | N          | D         | N          | D         | N          | D         | N          | D        | N          | D         | N          | D         |
| Acute Poliomyelitis ...     | -          | -         | -          | -         | -           | -         | -          | -         | 2          | 1         | 8          | -         | -          | -         | 1          | -        | 1          | 1         | -          | -         |
| Meningococcal Infection ... | 2          | -         | 2          | -         | 1           | -         | -          | -         | -          | -         | -          | -         | 2          | 1         | -          | -        | -          | -         | 1          | -         |
| Diphtheria ...              | -          | -         | -          | -         | -           | -         | -          | -         | -          | -         | 1          | -         | -          | -         | -          | -        | -          | -         | -          | -         |
| Dysentery ...               | 3          | -         | 1          | -         | -           | -         | 17         | -         | 36         | -         | -          | -         | 10         | -         | 14         | -        | 17         | -         | 12         | -         |
| Encephalitis Lethargica ... | -          | -         | -          | -         | -           | -         | -          | -         | -          | -         | -          | -         | -          | -         | -          | -        | -          | -         | -          | -         |
| Enteric Fever ...           | -          | -         | 2          | -         | -           | -         | 1          | -         | -          | -         | 1          | -         | 5          | 1         | -          | -        | -          | -         | -          | -         |
| Erysipelas ...              | 1          | -         | 6          | -         | 6           | 1         | 3          | -         | 3          | -         | 2          | -         | 3          | -         | -          | -        | -          | -         | 1          | -         |
| Measles ...                 | 175        | -         | 228        | -         | 1012        | 1         | 258        | -         | 139        | -         | 581        | -         | 426        | -         | 130        | -        | 776        | -         | 309        | -         |
| Ophthalmia Neonatorum ...   | 1          | -         | 3          | -         | -           | -         | 1          | -         | 1          | -         | -          | -         | 2          | -         | -          | -        | 1          | -         | -          | -         |
| Pneumonia ...               | 31         | 24        | 33         | 11        | 55          | 11        | 34         | 18        | 59         | 20        | 46         | 19        | 92         | 12        | 46         | 8        | 35         | 26        | 19         | 13        |
| Puerperal Pyrexia ...       | 1          | -         | 7          | -         | 9           | 1         | 20         | -         | 7          | -         | 1          | -         | -          | -         | 4          | -        | -          | -         | 10         | -         |
| Scarlet Fever ...           | 61         | -         | 158        | -         | 132         | -         | 44         | -         | 16         | -         | 68         | -         | 25         | -         | 33         | -        | 35         | -         | 15         | -         |
| Smallpox ...                | -          | -         | -          | -         | -           | -         | -          | -         | -          | -         | -          | -         | -          | -         | -          | -        | -          | -         | -          | -         |
| Whooping Cough ...          | 123        | -         | 184        | -         | 255         | -         | 219        | -         | 126        | -         | 159        | 1         | 232        | -         | 158        | -        | 106        | -         | 67         | -         |
| <b>TOTALS ...</b>           | <b>398</b> | <b>24</b> | <b>644</b> | <b>11</b> | <b>1470</b> | <b>14</b> | <b>597</b> | <b>18</b> | <b>389</b> | <b>21</b> | <b>867</b> | <b>20</b> | <b>797</b> | <b>14</b> | <b>386</b> | <b>8</b> | <b>971</b> | <b>27</b> | <b>434</b> | <b>13</b> |

**SUMMARY OF DEATHS BY SEXES AND AGE GROUPS**

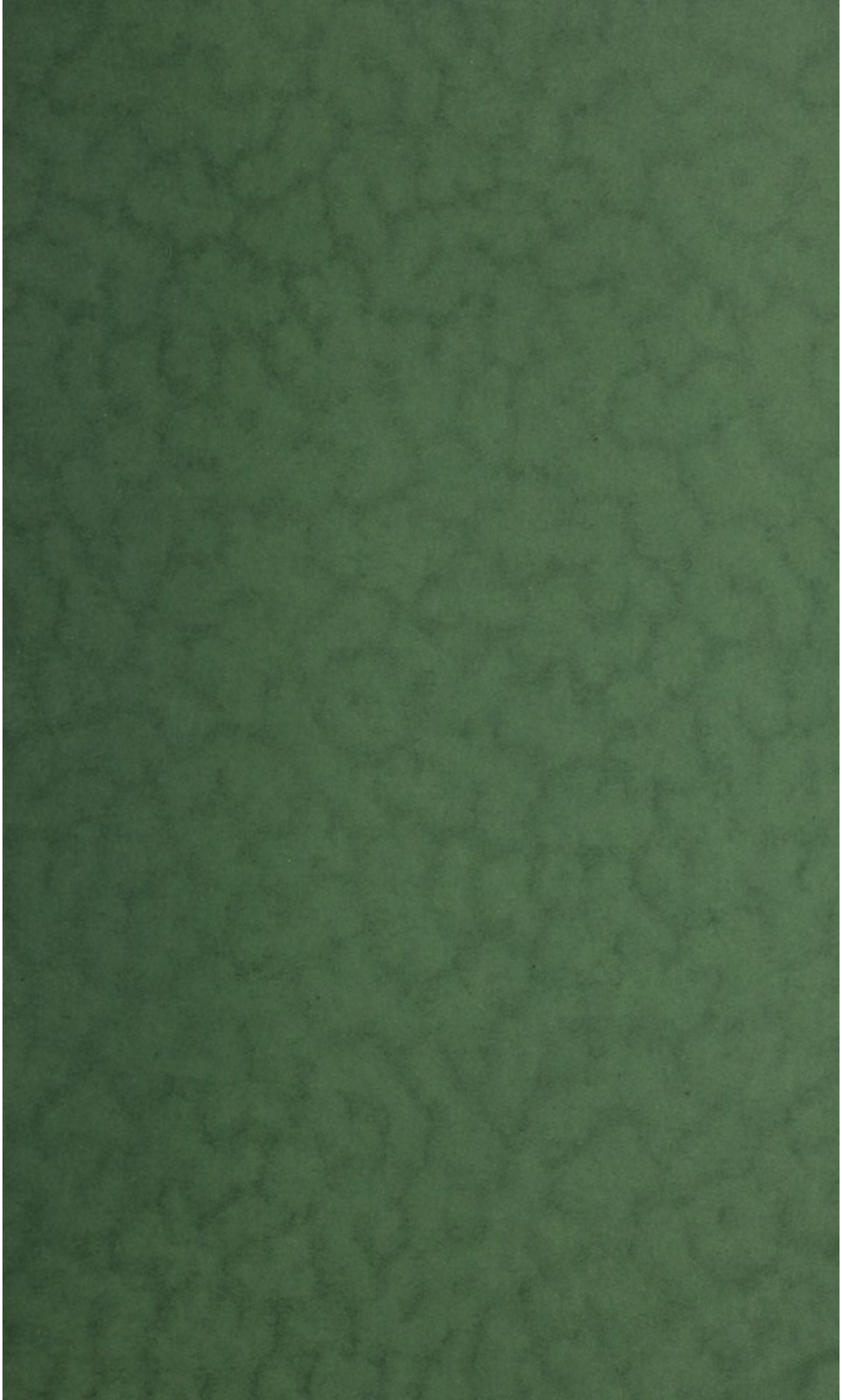
| MONTH  | Under 1 |    | 1-10 |   | 10-20 |   | 20-30 |    | 30-40 |     | 40-50 |    | 50-60 |    | 60-70 |    | 70-80 |    | 80-90 |   | Over 90 |     | TOTALS |    |      |
|--------|---------|----|------|---|-------|---|-------|----|-------|-----|-------|----|-------|----|-------|----|-------|----|-------|---|---------|-----|--------|----|------|
|        | M       | F  | M    | F | M     | F | M     | F  | M     | F   | M     | F  | M     | F  | M     | F  | M     | F  | M     | F | M       | F   | M      | F  | T'al |
| Jan.   | 3       | -  | 1    | - | -     | - | -     | -  | 1     | 1   | 6     | 2  | 6     | 1  | 6     | 2  | 6     | 2  | 7     | 2 | 1       | 24  | 19     | 43 |      |
| Feb.   | 2       | 2  | 1    | - | -     | - | -     | -  | 1     | 2   | 11    | 4  | 1     | 2  | 1     | 5  | 5     | 4  | 4     | 1 | 27      | 18  | 45     |    |      |
| March  | -       | 1  | -    | - | -     | - | -     | -  | -     | 1   | 4     | 3  | -     | -  | 8     | 3  | 4     | 3  | 3     | - | 21      | 11  | 32     |    |      |
| April  | 1       | 2  | -    | - | -     | - | -     | -  | 1     | 1   | 7     | 2  | 5     | 3  | 3     | 4  | 8     | 3  | 3     | 2 | 18      | 23  | 41     |    |      |
| May    | 2       | 1  | -    | - | -     | - | -     | -  | -     | 1   | 3     | 5  | 5     | 4  | 4     | 3  | 3     | 6  | 4     | - | 18      | 20  | 38     |    |      |
| June   | 2       | 1  | -    | - | -     | - | -     | -  | 1     | -   | 3     | 4  | 3     | 3  | 2     | 2  | 2     | 3  | 2     | - | 10      | 15  | 25     |    |      |
| July   | 1       | 2  | -    | - | -     | - | -     | -  | -     | -   | 6     | 2  | 2     | 2  | 1     | 2  | 3     | 3  | 2     | - | 12      | 12  | 24     |    |      |
| August | -       | -  | -    | - | -     | - | -     | -  | -     | -   | 2     | 2  | 1     | 3  | 6     | 2  | 3     | 4  | 2     | 1 | 12      | 14  | 26     |    |      |
| Sept.  | -       | -  | -    | - | -     | - | -     | -  | -     | 1   | 5     | 2  | 2     | 2  | 2     | 3  | 10    | 5  | 5     | - | 16      | 20  | 36     |    |      |
| Oct.   | 2       | 1  | -    | - | -     | - | -     | -  | -     | 1   | 5     | 2  | 1     | 3  | 5     | 8  | 8     | 2  | 2     | - | 16      | 20  | 36     |    |      |
| Nov.   | -       | 1  | -    | - | -     | - | -     | -  | 1     | -   | 9     | 3  | 5     | -  | 3     | 2  | 2     | 3  | 2     | 1 | 20      | 10  | 30     |    |      |
| Dec.   | -       | -  | -    | - | -     | - | -     | -  | -     | -   | 9     | 4  | 2     | 1  | 3     | 8  | 8     | 7  | 3     | 2 | 23      | 17  | 40     |    |      |
| TOTALS | 13      | 11 | 2    | 2 | -     | 1 | -     | -  | 1     | 3   | 70    | 62 | 41    | 35 | 70    | 62 | 43    | 48 | 9     | 4 | 217     | 199 | 416    |    |      |
|        |         | 24 | 4    | 4 | 1     | 4 | -     | 12 | 76    | 132 | 91    | 13 | 416   |    |       |    |       |    |       |   |         |     |        |    |      |

This Table is compiled from Information supplied by the Local Registrar.

Table 1. Summary of the results of the present study.

| Category           | No. of cases | Age group (years)         |                           |                           |                           |                           |                           |                           |                           |                           |                           | Total |
|--------------------|--------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|
|                    |              | 0-10                      | 11-20                     | 21-30                     | 31-40                     | 41-50                     | 51-60                     | 61-70                     | 71-80                     | 81-90                     | 90+                       |       |
| Male               | 10           | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 10    |
| Female             | 10           | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 1                         | 10    |
| Total              | 20           | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 20    |
| Age group          |              | 0-10                      | 11-20                     | 21-30                     | 31-40                     | 41-50                     | 51-60                     | 61-70                     | 71-80                     | 81-90                     | 90+                       |       |
| No. of cases       |              | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         | 2                         |       |
| Percentage         |              | 10                        | 10                        | 10                        | 10                        | 10                        | 10                        | 10                        | 10                        | 10                        | 10                        |       |
| Mean age           |              | 5                         | 15                        | 25                        | 35                        | 45                        | 55                        | 65                        | 75                        | 85                        | 95                        |       |
| Standard deviation |              | 5                         | 5                         | 5                         | 5                         | 5                         | 5                         | 5                         | 5                         | 5                         | 5                         |       |
| Range              |              | 0-10                      | 11-20                     | 21-30                     | 31-40                     | 41-50                     | 51-60                     | 61-70                     | 71-80                     | 81-90                     | 90+                       |       |
| Significance       |              | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      | 0.05                      |       |
| Chi-square         |              | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       | 1.0                       |       |
| P-value            |              | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      | 0.31                      |       |
| Conclusion         |              | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference | No significant difference |       |

There was no significant difference in the distribution of cases among the different age groups.



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