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**Contributors**

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1970

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BOROUGH OF NELSON

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**ANNUAL  
REPORT  
of the  
Medical Officer of Health  
1970**





BOROUGH OF NELSON

HEALTH COMMITTEE

BOROUGH OF NELSON

Councillor J. F. Spencer (Chairman)

Councillor J.                      (De-Chairman)

The Mayor (Councillor E. Myers) (De-officio)

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

1970

A. F. Evans

G. Frith

B. Hargreaves

F. Mansfield

G. Nighy

E. W. Rolfe

P. G. Holt, M.B., Ch.B., D.P.H.

Medical Officer of Health.

RECORD OF THE  
OFFICE OF THE  
SECRETARY OF THE  
NAVY  
1899

Printed by the  
Government Printing Office

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED  
BY THE COUNCIL

Nelson Water and Gas Act, 1866

Nelson Local Board Act, 1879

BOROUGH OF NELSON

Nelson Improvement Act, 1886

Nelson Local Board Act, 1898

Nelson Corporation Act, 1903

Nelson Provisional HEALTH COMMITTEE, 1897, 1899, 1904

Borough of Nelson (Extension) Orders, 1897

The Public Health Acts Amendment Act, 1897, adopted 1897

The Infectious Disease Councillor J. F. Spencer (Chairman) 1896

The Public Health Councillor J. Greenwood (Vice-Chairman) 1912

The Nelson Corp. The Mayor (Councillor E. Myers) (Ex-officio)

The Public Health Act, 1903 Alderman Mrs. E. Kay

" J. Shepherd

LIST OF BY-LAWS RELATING TO SANITARY MATTERS

Councillor D. Carter

IN FORCE IN THE BOROUGH

" Mrs. E. Cook

" P. S. Cox

Date of Adoption

" Mrs. M. Davis

1890 Common Lodging Houses

" Mrs. E. Ennis

1897 Offensive trades: Glass Beller, Glass Drainer, Bone Beller, Fellmonger, " A. F. Evans Soap Beller, Tallow  
Walter, Fat Walter, Tallow Beller, Glass Maker, Glass Maker,  
Gut Scraper. " R. Frith

1897 Nuisances " B. Hargreaves

1897 & 1907 Slaughterhouses " F. Mansfield

1911 Diseases, Contagious " D. Rigby Regulations

1914 Sanitary Conditions " B. M. Rothwell

1919 Buildings " Miss J. Smith

1921 Clean Food Bye-Laws

1923 Regulating the emission of Black Smoke

1926 Good Rule & Government and Prevention of Nuisances

July 1926 Clean Air Act, 1926 - Section 24 - Bye-Laws

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LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED  
BY THE COUNCIL

Nelson Water and Gas Act, 1866

Nelson Local Board Act, 1879

Nelson Improvement Act, 1886

Nelson Local Board Act, 1888

Nelson Corporation Act, 1903

Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897, 1899, 1904

Borough of Nelson (Extension) Orders, 1897

The Public Health Acts Amendment Act, 1890, adopted 1891

The Infectious Diseases (Prevention) Act, 1890, adopted 1896

The Public Health Acts Amendment Act, 1907, parts adopted 1912

The Nelson Corporation Act, 1921

The Public Health Act, 1925, except Sections 15, 35 and 41

LIST OF BYE-LAWS RELATING TO SANITARY MATTERS  
IN FORCE IN THE BOROUGH

Dates of Adoption

|             |                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1890        | Common Lodging Houses                                                                                                                                                                     |
| 1897        | Offensive trades: Blood Boiler, Blood Drier, Bone Boiler, Fellmonger, Tanner, Leather Dresser, Soap Boiler, Tallow Melter, Fat Melter, Tripe Boiler, Glue Maker, Size Maker, Gut Scraper. |
| 1897        | Nuisances                                                                                                                                                                                 |
| 1897 & 1907 | Slaughterhouses                                                                                                                                                                           |
| 1911        | Dairies, Cowsheds and Milkshops Regulations                                                                                                                                               |
| 1931        | Sanitary Conveniences                                                                                                                                                                     |
| 1939        | Buildings                                                                                                                                                                                 |
| 1951        | Clean Food Bye-Laws                                                                                                                                                                       |
| 1953        | Regulating the emission of Black Smoke                                                                                                                                                    |
| 1958        | Good Rule & Government and Prevention of Nuisances                                                                                                                                        |
| July 1960   | Clean Air Act, 1956 - Section 24 - Bye-Laws                                                                                                                                               |

2.

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED  
BY THE COUNCIL

Nelson Water and Gas Act, 1882  
Nelson Local Board Act, 1879  
Nelson Improvement Act, 1886  
Nelson Local Board Act, 1888  
Nelson Corporation Act, 1903  
Nelson Provisional Orders, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884  
Borough of Nelson (Provisional) Order, 1897  
The Public Health Act Amendment Act, 1900, adopted 1891  
The Infectious Diseases (Provisional) Act, 1900, adopted 1900  
The Public Health Act Amendment Act, 1907, partly adopted 1911  
The Nelson Corporation Act, 1907  
The Public Health Act, 1902, except Sections 15, 16 and 41

LIST OF BY-LAWS RELATING TO SANITARY MATTERS  
IN FORCE IN THE BOROUGH

| Date of Adoption | Subject                                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1890             | Common Lodging Houses                                                                                                                                                                    |
| 1897             | Offensive Trades: Blood Boiler, Blood Crier, Bone Boiler, Felmonger, Tanner, Leather Dresser, Soap Boiler, Tallow Melter, Fat Boiler, Tripe Boiler, Dine Maker, Sine Maker, Gut Scurper. |
| 1897             | Nuisances                                                                                                                                                                                |
| 1897 & 1907      | Stagnant Pools                                                                                                                                                                           |
| 1911             | Dairies, Cowsheds and Milkshops Regulations                                                                                                                                              |
| 1921             | Sanitary Conveniences                                                                                                                                                                    |
| 1922             | Buildings                                                                                                                                                                                |
| 1921             | Clean Food Bye-Laws                                                                                                                                                                      |
| 1922             | Regulating the emission of Black Smoke                                                                                                                                                   |
| 1928             | Good Bills & Government and Prevention of Nuisances                                                                                                                                      |
| July 1930        | Clean Air Act, 1926 - Section 24 - Bye-Laws                                                                                                                                              |

STAFF OF THE PUBLIC HEALTH DEPARTMENT

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|------------------------------------------------------|-------------------------------------------------------------------------------|
| Medical Officer of Health                            | P. G. Holt, M.B., ChB., D.P.H.                                                |
| Introductory Letter                                  |                                                                               |
| Senior Public Health Inspector                       | G. Pritchard, M.A.P.H.I.,<br>(Resigned w.e.f. 11th September, 1970)           |
| Acknowledgements                                     |                                                                               |
| Section A                                            |                                                                               |
| Statistics and Social Conditions                     | F. Grindrod, M.A.P.H.I.,<br>(Appointed w.e.f. 12th September, 1970)           |
| Section B                                            |                                                                               |
| Deputy Senior Public Health Inspector                | F. Grindrod, M.A.P.H.I.,<br>(Appointed Senior w.e.f.<br>12th September, 1970) |
| Section C                                            |                                                                               |
| Prevalence of, and Control over, Infectious Diseases | H. Farrell, M.A.P.H.I.,<br>(Appointed w.e.f. 12th October, 1970)              |
| Annual Report of the Senior Public Health Inspector  |                                                                               |
| Additional Public Health Inspector                   | J. H. Thompson, M.A.P.H.I., A.R.S.H.                                          |
| Section D                                            |                                                                               |
| Sanitary Circumstances of the Area                   |                                                                               |
| Chief Clerk                                          | N. Griffiths                                                                  |
| Section E                                            |                                                                               |
| Housing                                              |                                                                               |
| Clerks                                               | Mrs. M. P. Hardwick                                                           |
| Section F                                            |                                                                               |
| Inspection and Supervision of Food                   | Mrs. E. Peel<br>(Appointed w.e.f. 2nd February, 1970)                         |
| Index                                                |                                                                               |
| Technical Assistant - Smoke Control<br>(Temporary)   | F. Chippendale                                                                |

# STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health

F. G. Holt, M.B., ChB., D.P.H.

Senior Public Health Inspector

G. Richards, M.A.P.H.I.,  
(Appointed v.e.f. 12th September, 1970)

F. Grindrod, M.A.P.H.I.,  
(Appointed v.e.f. 12th September, 1970)

Deputy Senior Public Health Inspector

F. Grindrod, M.A.P.H.I.,  
(Appointed Senior v.e.f.  
12th September, 1970)

M. Farnell, M.A.P.H.I.,  
(Appointed v.e.f. 12th October, 1970)

Additional Public Health Inspector

J. H. Thompson, M.A.P.H.I., A.E.R.C.

Chief Clerk

M. Griffiths

Clerks

Mrs. M. P. Hardwick

Mrs. E. Peel  
(Appointed v.e.f. 2nd February, 1970)

Technical Assistant - Smoke Control  
(Temporary)

F. Chipchase

Public Health Department,  
21 Carr Road,  
WELDON

July, 1970.

To the Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen

## C O N T E N T S

I have the honour to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1970. The layout follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

The decrease in the number of people living in the Borough continued, the population being estimated at 30,000 compared with 31,730 a year before. These figures are, of course, only an estimate.

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Your obedient servant,

F. G. BAY

Medical Officer of Health.

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Public Health Department,  
21 Carr Road,  
NELSON.

July, 1971.

To the Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1970. The layout follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

The decrease in the number of people living in the Borough continued, the population being estimated at 30,800 compared to 31,230 a year before. These figures are, of course, only estimates and it will be interesting to compare them with the census figures which should be to hand when the next report is prepared. Rather in contrast to the population figures, the number of inhabited houses increased compared to 1969, as did the product of a penny rate, so it is clear that the population statistics should not be looked at in isolation.

Nineteen hundred and seventy saw some changes in the staff of the Health Department. Mr. Pritchard, who had been Senior Public Health Inspector since 1953, resigned in September to take up a teacher training course, and his deputy, Mr. F. Grindrod, was appointed to take his place. The resulting vacancy was filled by Mr. Farrell, who was appointed as Deputy Senior Public Health Inspector the following month.

I expressed concern in my last report regarding the shortage of solid smokeless fuel and its effect on the clean air programme. It was indeed fortunate that a mild winter produced the minimum of inconvenience and little noticeable increase in air pollution. Clean air is an expensive and hardwon benefit and it is to be hoped that such a situation does not arise again so that the programme may now be completed without further setback.

I am indebted to all members of the Health Department who have played a part in the production of this report, and particular to Mr. N. Griffiths, Chief Clerk, who is largely responsible for its compilation. We all hope that members will find something to interest them in its pages.

I have the honour to be, Ladies and  
Gentlemen,

Your obedient Servant,

P. G. HOLT

Medical Officer of Health.

Public Health Department,  
57 City Hall,  
BOSTON.

April, 1927.

To the Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honor to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1926. The report follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

The decrease in the number of people living in the Borough continued, the population being estimated at 30,000 compared to 31,500 a year before. These figures are, of course, only estimates and it will be interesting to compare them with the census figures which should be in hand when the next report is prepared. Indeed in contrast to the population figures, the number of inhabited houses increased compared to 1926, as did the number of a party rate, so it is clear that the population statistics should not be looked at in isolation.

Nineteen hundred and twenty-six was a year of change in the staff of the Health Department. Mr. Hutchings, who had been Deputy Public Health Inspector since 1917, retired in December to take up a further training course, and his Deputy, Mr. E. G. Smith, was appointed to take his place. The resulting vacancy was filled by Mr. F. W. Smith, who was appointed as Deputy Senior Public Health Inspector the following month.

I expressed concern in my last report regarding the shortage of solid smokeless fuel and the effect on the clean air programme. It was indeed fortunate that a mild winter prevented the situation of inconvenience and little noticeable increase in air pollution. Clean air is an expensive and hard won benefit and it is to be hoped that such a situation does not arise again so that the programme may now be completed without further setback.

I am indebted to all members of the Health Department who have played a part in the production of this report, and particularly to Mr. W. G. Smith, Chief Clerk, who is largely responsible for its completion. We all hope that members will find something to interest them in its pages.

I have the honor to be, Ladies and Gentlemen,

Your obedient servant,

F. J. BOLT

Medical Officer of Health.

ACKNOWLEDGEMENT

As in former years some information given in this report has been supplied by other corporation departments and also from external sources. This continued co-operation is greatly appreciated and I express my grateful thanks to the following officials for their kindness.

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Mr. H. Barton,     | Director of Public Cleansing, Nelson                       |
| Mr. J. Buckley,    | Housing Superintendent, Nelson                             |
| Dr. C. H. T. Wade, | County Medical Officer of Health, County Offices, Preston  |
| Mr. W. Knight,     | Borough Treasurer, Nelson                                  |
| Registrar General, | General Register Office, Somerset House, London, W.C.2.    |
| Mr. E. Robinson,   | Borough Engineer and Surveyor, Nelson                      |
| Mr. C. D. Barnes,  | Engineer, North Calder Water Board, Nelson                 |
| Mr. T. H. Slater,  | Manager, Department of Employment and Productivity, Nelson |

ACKNOWLEDGEMENT

As in former years some information given in this report has been supplied by other corporations, departments and also from external sources. This continued co-operation is greatly appreciated and I express my grateful thanks to the following officials for their kindness.

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Mr. H. Barton,     | Director of Public Cleansing, Nelson                       |
| Mr. J. Buckley,    | Boating Superintendent, Nelson                             |
| Dr. C. E. T. Wade, | County Medical Officer of Health, County Council, Preston  |
| Mr. W. Knight,     | Boating Treasurer, Nelson                                  |
| Registrar General, | General Registrar Office, Somerset House, London, W.C.2.   |
| Mr. E. Robinson,   | Boating Registrar and Surveyor, Nelson                     |
| Mr. C. D. Barnes,  | Engineer, North Collier Water Board, Nelson                |
| Mr. T. H. Blaxter, | Manager, Department of Employment and Productivity, Nelson |

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

|                                                                                   |            |
|-----------------------------------------------------------------------------------|------------|
| Area in acres                                                                     | 3,445      |
| Ordinance Level, lowest point                                                     | 350 feet   |
| Ordinance Level, Highest point                                                    | 1,100 feet |
| Ordinance Level, centre of town                                                   | 435 feet   |
| Drainage of surface water - Natural, chiefly to Walverden Stream and Pindie Water |            |
| Subsoil - Clay with understratum of sandstone and out-croppings of coal           |            |
| Population - Registrar General's estimate of home population mid-year, 1970       |            |

23,500

Census, 1961

22,292

Males

13,175

Females

17,116

SECTION A

Census, 1951

24,358

Houses - Number inhabited at:

End of 1970, according to Rate Books

12,161

Census, 1961

12,170

Census, 1951

12,170

STATISTICS AND SOCIAL CONDITIONS

- Number uninhabited at:

End of 1970 according to Rate Books

347

Census, 1961

352

Census, 1951

352

OF THE AREA

Rateable Value At 31st December, 1970

£891,054

General Rate, 1970/71 (s.d. in the £) - Dwellinghouses

13/2

Mixed Hereditaments

14/3

Other Hereditaments

15/3

Sum represented by a penny rate, 1970/71

£3,400

The estimated cost of the Local Health Service for the financial year 1970/71 was £35,700 which is equivalent to a rate of 11.5d in the £.

The Registrar General's estimate of the home population for mid-1970 was a decrease of 4.5% on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

During 1970 there was a slight deterioration in the employment situation resulting from redundancies in Textiles. Unemployment in August reached 2%, the highest figure since November 1967, and there was increased short-time working in Textiles.

SECTION I

STATISTICS AND SOCIAL CONDITIONS

OF THE AREA

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

|                                                                                      |                          |
|--------------------------------------------------------------------------------------|--------------------------|
| Area in acres                                                                        | 3,446                    |
| Ordinance Level, Lowest point                                                        | 350 feet                 |
| Ordinance Level, Highest point                                                       | 1,100 feet               |
| Ordinance Level, centre of town                                                      | 458 feet                 |
| Drainage of surface water - Natural, chiefly to Walverden Stream<br>and Pendle Water |                          |
| Subsoil - Clay with understratum of sandstone and out-croppings of coal              |                          |
| Population - Registrar General's estimate of home population mid-year, 1970          |                          |
|                                                                                      | 30,800                   |
| Census, 1961                                                                         | 32,292                   |
| Males                                                                                | 15,176                   |
| Females                                                                              | 17,116                   |
| Census, 1951                                                                         | 34,384                   |
| Houses - Number inhabited at:                                                        |                          |
| End of 1970, according to Rate Books                                                 | 12,184                   |
| Census, 1961                                                                         | 12,110                   |
| Census, 1951                                                                         | 12,162                   |
| - Number uninhabited at:                                                             |                          |
| End of 1970 according to Rate Books                                                  | 347                      |
| Census, 1961                                                                         | 364                      |
| Census, 1951                                                                         | 222                      |
| Rateable Value at 31st December, 1970                                                | £891,054                 |
| General Rate, 1970/71 (s.d. in the £) -                                              | Dwellinghouses 13/7      |
|                                                                                      | Mixed Hereditaments 14/5 |
|                                                                                      | Other Hereditaments 15/3 |
| Sum represented by a penny rate, 1970/71                                             | £3,400                   |

The estimated cost of the Local Health Service for the financial year 1970/71 was £38,700 which is equivalent to a rate of 11.38d in the £.

The Registrar General's estimate of the home population for mid-1970 was a decrease of 430 on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

During 1970 there was a slight deterioration in the employment situation resulting from redundancies in Textiles. Unemployment in August reached 3%, the highest figure since November 1967, and there was increased short-time working in Textiles.

On the other hand, expansion has taken place in some firms, and some extra jobs for men have been created. Towards the end of the year information was received of new firms intending to set up establishments in the area, with a promise of 300 extra jobs for women. Many of these will be employed on a seasonal basis, and there could be a substantial number employed on a purely part-time basis.

With the present tendency to reduce the numbers employed in Textiles, there will surely be more diversification of industry in the ensuing year. Although the movement of new firms into the area is slow, it is nevertheless taking place. The outlook can therefore be said to be favourable.

#### CLIMATOLOGICAL CONDITIONS

As the Climatological Station in the grounds of the Cemetery in Walton Lane was wrecked by vandals towards the end of 1969 and not re-equipped for operation again until the latter part of 1970, I am unable to give the usual statistical information and comments thereon.

#### SOCIAL AND INDUSTRIAL CONDITIONS

During 1970 there was a slight deterioration in the employment situation resulting from redundancies in textiles. Unemployment in August reached 25, the highest figure since November 1967, and there was increased short-time working in textiles.

VITAL STATISTICSLIVE BIRTHS:

|                                                          | <u>Males</u> | <u>Females</u> | <u>Total</u> |
|----------------------------------------------------------|--------------|----------------|--------------|
| Legitimate                                               | 264          | 233            | 497          |
| Illegitimate                                             | 22           | 22             | 44           |
| Total                                                    | <u>286</u>   | <u>255</u>     | <u>541</u>   |
| Illegitimate live births percentage of total live births |              |                | 8.1%         |
| Total illegitimate births percentage of total births     |              |                | 8.4%         |
| Live Birth Rate per 1,000 estimated population - Crude   |              |                | 17.6         |
| Adjusted                                                 |              |                | 20.1         |
| Comparability Factor                                     |              |                | 1.14         |

STILL BIRTHS:

|                                                          | <u>Males</u> | <u>Females</u> | <u>Total</u> |
|----------------------------------------------------------|--------------|----------------|--------------|
| Legitimate                                               | -            | 2              | 2            |
| Illegitimate                                             | 2            | -              | 2            |
| Total                                                    | <u>2</u>     | <u>2</u>       | <u>4</u>     |
| Still Birth Rate per 1,000 total (live and still) Births |              |                | 7.3          |
| Still Birth Rate per 1,000 estimated population          |              |                | 0.13         |
| Still Births as percentage of total births               |              |                | 0.7%         |

TOTAL LIVE AND STILL BIRTHS:

|  | <u>Males</u> | <u>Females</u> | <u>Total</u> |
|--|--------------|----------------|--------------|
|  | 288          | 257            | 545          |

DEATHS:

|                                                   | <u>Males</u> | <u>Females</u> | <u>Total</u> |
|---------------------------------------------------|--------------|----------------|--------------|
|                                                   | 232          | 253            | 485          |
| Death Rate per 1,000 estimated population - Crude |              |                | 15.7         |
| Adjusted                                          |              |                | 13.8         |
| Comparability Factor                              |              |                | 0.88         |
| Excess of live births over deaths                 |              |                | 56           |

INFANT DEATHS:

|                                   | <u>Males</u> | <u>Females</u> | <u>Total</u> |
|-----------------------------------|--------------|----------------|--------------|
| Under 1 year of age - Legitimate  | 4            | 3              | 7            |
| Illegitimate                      | 1            | 1              | 2            |
| Under 4 weeks of age - Legitimate | 3            | 3              | 6            |
| Illegitimate                      | 1            | -              | 1            |
| Under 1 week of age - Legitimate  | 3            | 2              | 5            |
| Illegitimate                      | 1            | -              | 1            |

Infant Mortality Rates

|                                                               |    |
|---------------------------------------------------------------|----|
| Total infant deaths per 1,000 total live births               | 17 |
| Legitimate infant deaths per 1,000 legitimate live births     | 14 |
| Illegitimate infant deaths per 1,000 illegitimate live births | 45 |

Neo-natal Mortality Rate

Deaths under 4 weeks of age per 1,000 live births 13

Early Neo-natal Mortality Rate

Deaths under 1 week of age per 1,000 live births 11

Peri-natal Mortality Rate

Still births and deaths under 1 week of age per  
1,000 total births 18

MATERNAL DEATHS:

Maternal deaths (excluding abortion) 1  
Maternal Mortality per 1,000 total (live and still)  
births 1.83

COMMENTS ON STATISTICSPopulation

The mid-year estimate of the population made by the Registrar-General was 30,800, a decrease of 430, or 1.38% on his estimate, the previous year. This was the largest decrease since 1964, when a decrease of 460, or 1.44% was estimated. Since 1963, every year, with the exception of 1968, which had an estimated increase of 770, there has been an estimated decrease in the population. The position to date being a net decrease of 1,200 or 3.75%.

Comparison with neighbouring authorities within Health Division No.6 for 1970 is as follows:

| <u>Estimated increases</u> |       | <u>Estimated decreases</u> |       |
|----------------------------|-------|----------------------------|-------|
| Burnley R.D.C.             | 0.37% | Nelson M.B.                | 1.38% |
| Brierfield U.D.            | 0.68% | Colne M.B.                 | 0.53% |
|                            |       | Padiham U.D.               | 0.59% |
|                            |       | Trawden U.D.               | 0.49% |
| <u>No Estimated Change</u> |       |                            |       |
| Barrowford U.D.            |       |                            |       |

The overall position in Health Division No.6 was a net decrease of 0.54%, the Nelson decrease accounting for 0.47%.

For further comparison, the estimated population of Burnley C.B. for 1970, remained the same as in the previous year.

Live Births

For the previous three years the number of live births registered each year was almost identical around the 500 mark, but last year with a total of 541 has only been exceeded once since 1948, that being in 1966 when 550 live births were registered. The period commencing 1961, when the annual number of live births regularly exceeded 500, to date the average annual figure is 519.

The Crude Live Birth Rate at 17.6 per 1,000 population was 1.6 higher than in 1969 and has only been exceeded once since 1947, that being in 1966 with a figure of 17.8.

The Adjusted Live Birth Rate, 20.1 per 1,000 population, was an increase of 1.9 per 1,000 on the 1969 rate and the highest since 1966 with 20.2 per 1,000. The mean rate for the period 1966-70 inclusive being 18.7 per 1,000.

Local comparison of these rates, that is with other authorities in Health Division No.6, is shown in the Table on Page 28.

With the Live Birth Rate for England and Wales at 16.0 per 1,000 it is less than the Nelson Adjusted Birth Rate by 1.6. This is the tenth successive year that such a difference has occurred and over this period the average yearly excess of the Nelson adjusted Live Birth Rate is 1.24 per 1,000 population.

Illegitimate Live Births registered again showed a decline to 44 in 1970, this being 10 fewer than in 1969 and in fact the smallest annual figure since 1964. Of the total live births registered, 8.1% were illegitimate compared with 10.8% in 1969 and 12.4% in 1968 which had the largest number of illegitimate births on record. The Illegitimate Live Birth Rates were 1.43 per 1,000 population and 81.3 per 1,000 live births, which were 0.3 and 26.7 respectively less than in the previous year and both rates were the smallest since 1964.

The number of live births actually occurring in the Borough was again reduced, there being only 44, all of which were domiciliary births, out of a total of 541 assignable to Nelson, leaving 497 or 91.9% inward transferable. This trend over recent years is shown in the following:

|      |   |       |                            |
|------|---|-------|----------------------------|
| 1970 | - | 91.9% | Inward transferable births |
| 1969 | - | 81.6% | "                          |
| 1968 | - | 42.0% | "                          |
| 1967 | - | 37.3% | "                          |
| 1966 | - | 37.1% | "                          |

#### Still Births

Only 4 still births were registered, the smallest number since 1966 and represented 0.7% of the total births compared with 1.38% in 1969. Over the previous five years the average per year was 8.

The Still Birth Rates were 7.3 per 1,000 total births and 0.13 per 1,000 estimated population, decreases of 6.5 and 0.07 respectively on 1969. Still Birth Rates for England and Wales as a whole were 13.2 per 1,000 total births, the same as the previous year and 0.21 per 1,000 estimated population, a reduction of 0.01.

#### Deaths

After an increase in the number of deaths each of the previous three years, there was a reduction of 40 in 1970, making a total of 485, or 14 fewer than the average for the previous five years. These gave a Crude Death Rate of 15.7 per 1,000 population, a decrease of 1.1 per 1,000 and identical to the 1968 rate.

The Comparability Factor used in conversion for external comparisons was reduced by 0.02 to 0.88, thus giving an Adjusted Death Rate of 13.8 per 1,000 population, a decrease of 1.2 on the 1969 figure.

With the Death Rate for England and Wales at 11.7 per 1,000 population the Nelson rate was in excess by 2.1 per 1,000 and 3.2 per 1,000 in 1969. Over the last ten years this excess has ranged from 1.6 to 3.8 per 1,000 population with an average of 2.65.

Local comparison of Adjusted Death Rates, that is within the Health Division No.6, is shown in the Table on page 28.

As usual, Heart and Circulatory Diseases as a group were the principal cause of death, and accounted for 50% of the total as against 57% last year, the main difference being a reduction of 22 deaths from cerebro-vascular disease.

There were 97 deaths from cancer, 8 fewer than in 1969, but again deaths from this cause were 20% of the total deaths. From the Table on page 33 it will be observed that the main differences on analysis of these deaths according to location of the disease was a reduction of 14 in the category of trachea, bronchus and lung, giving a death rate of 0.55 per 1,000 population, as compared with 0.99 the previous year. The total Cancer Death Rate was 3.15 per 1,000 population, whereas in 1969 it was 3.36, the highest on record. The mean rate for the five years 1965-69 inclusive, was 2.54 per 1,000. The National Cancer Death Rate in 1970 was 2.39 per 1,000 population, an increase of 0.04 on 1969.

Winter months have usually the largest number of deaths but in 1970 there were as many as 85 in January giving a death rate 2.76 per 1,000 population. This was the highest number in any month since February 1966, when there were 90 and death rate 2.90 per 1,000 population.

Age group analysis of the deaths showed a normal pattern, the highest in the 75 - 80 years group (92 = 18.97%) followed by the 70 - 74 years group (80 = 16.49%) and the 80 - 84 years group (79 = 16.29%). Deaths of persons 65 years of age or over formed 74.6% of the total, 1.7% more than in 1969, whereas in the 45 - 64 years group there was a decrease of 1.4%. The Table on page 35 shows, in five year periods over 50 years, the progressively higher ages at which death occurred.

The general trend down the years is that fewer residents actually die within the Borough, whereas in the immediate post-war years around 75% did so, in 1970 the percentage was as low as 50.1. A Table on page 38 shows from 1933-1970 this change has taken place almost regularly year by year over that period.

Of the 49.9% of the population who died out of the Borough in 1970, as many as 99.9% died in hospitals, nursing homes, etc., usually of the Burnley group. This was almost the same as in the previous year, but rather more than average. Furthermore, of the total deaths assigned to the Borough, 55.0% died in hospital. This is almost 6% more than in 1969. A Table on page 40 shows the percentage of deaths which occurred in hospitals, etc., annually from 1955-70 inclusive with quinquennial averages.

### Infant Mortality

There were 9 infant deaths under the age of twelve months, 7 of these were aged under 4 weeks and one under the age of 1 week. Classification of these deaths according to ages and causes are given in the Table on page 32.

The infant mortality rates were therefore as follows:

|                                          |                          |
|------------------------------------------|--------------------------|
| Infant Mortality (under 12 months)       | 17 per 1,000 live births |
| Neo-natal Mortality (under 4 weeks)      | 13 "                     |
| Early neo-natal Mortality (under 1 week) | 11 "                     |

the first being 1 per 1,000 less than the national rate and the second 1 per 1,000 more, whereas the other was identical.

With 4 still births in addition to the 6 infant deaths under 1 week the Peri-natal Mortality Rate was 18 per 1,000 total (live and still) births. The corresponding National Rate was 23 per 1,000, the same as in 1969, whereas the Nelson Rate was 8 per 1,000 less.

### Maternal Mortality

The one death of a mother in pregnancy, was due to maternal causes excluding abortion, and was the first maternal death since 1960. This gave a Maternal Mortality Rate of 1.83 per 1,000 total (live and still) births. For comparison the National figures are as follows:

|                            |   |                                              |      |   |   |
|----------------------------|---|----------------------------------------------|------|---|---|
| Maternal Mortality - Total |   | 0.18 per 1,000 total (live and still births) |      |   |   |
| "                          | " | Excluding abortion                           | 0.14 | " | " |
| "                          | " | Due to abortion                              | 0.04 | " | " |

The rates were each 0.01 higher than in 1969.

The following Tables show:-

Birth Rates, Death Rates and Analysis of Mortality for England and Wales and Nelson, 1970.

Nelson Vital Statistics, 1970 and previous ten years with averages.

Comparison of Nelson Birth and Death Rates with National Rates 1941-70 inclusive.

Vital Statistics for 1970 of authorities in Health Division No.6.

Causes of Death at different periods of life during 1970 with equivalent Death Rates.

Classification of Infant Deaths during 1970 according to Causes and Ages.

Analysis of Deaths from Cancer during 1970 according to age groups and location of growth.

Monthly Analysis of Deaths during 1970 with rates per 1,000 population.

Summary of ages at Death during 1970.

Annual Percentage Summary of Ages at Death 1960-1970 inclusive.

Percentage of Total Deaths according to ages, at five-year intervals from 1920-1970.

Deaths occurring in Nelson and Outward and Inward Transferable Deaths in percentage comparison with Nett Deaths assigned to Nelson each year over the period 1933-1970 inclusive.

Deaths occurring in Hospitals, and Institutions in relation to Total Deaths during 1970.

Deaths occurring in Hospitals and Institutions, etc., annually from 1955-1969 inclusive with averages, and during 1970.

## VITAL STATISTICS

COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES  
AND ANALYSIS OF MORTALITY FOR ENGLAND AND WALES AND  
NELSON FOR THE YEAR 1970

|                                      | (1)               |                                | (2)               |                                |
|--------------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|
|                                      | England and Wales |                                | Nelson            |                                |
|                                      | Number Registered | Rate per 1,000 home population | Number Registered | Rate per 1,000 home population |
| Births:                              |                   |                                |                   |                                |
| Live Births                          | 784,482           | 16.0                           | 541               | 17.6 *                         |
| Still Births                         | 10,341            | 13                             | 4                 | 7                              |
| Deaths:                              |                   |                                |                   |                                |
| All Causes                           | 575,208           | 11.7                           | 485               | 15.7 *                         |
| Tuberculosis (all forms)             | 1,606             | 0.033                          | 1                 | 0.03                           |
| Respiratory                          | 913               | 0.019                          | -                 | Nil                            |
| Other                                | 693               | 0.014                          | 1                 | 0.03                           |
| Cancer (all forms)                   | 117,085           | 2.39                           | 97                | 3.15                           |
| Lung and bronchus                    | 30,218            | 0.62                           | 17                | 0.55                           |
| Other cancer                         | 86,867            | 1.77                           | 80                | 2.60                           |
| Maternal Mortality (total)           | 147               | 0.18 (a)                       | 1                 | 1.83 (a)                       |
| Maternal Causes (excluding abortion) | 115               | 0.14 (a)                       | 1                 | 1.83 (a)                       |
| Due to Abortion                      | 32                | 0.04 (a)                       | -                 | - (a)                          |
|                                      | Number Registered | Rate per 1,000 Live Births     | Number Registered | Rate per 1,000 Live Births     |
| Infant Mortality                     | 14,269            | 18                             | 9                 | 17                             |
| Neo-natal Mortality                  | 9,663             | 12                             | 7                 | 13                             |
| Early Neo-natal Mortality            | 8,328             | 11                             | 6                 | 11                             |
| Peri-natal Mortality                 | 18,669            | 23 (a)                         | 10                | 18 (a)                         |

(a) Per 1,000 total (live and still) births

Estimated mid-year home population (1) 48,987,700

(2) 30,800

(1) Provisional figures based on Registrar-General's Quarterly Returns

\* Adjusted: Live Birth Rate 20.1 per 1,000 (Comp. Fact. 1.14)

Death Rate 13.8 per 1,000 (Comp. Fact. 0.88)

## VITAL STATISTICS

VITAL STATISTICS FOR 1970 AND THE PREVIOUS 10 YEARS, WITH 5 YEARS' AVERAGE

| Year            | Estimated Population | Live Births    |                     | Deaths (All causes) |                     | Stillbirths    |                            | Maternal Mortality       |                            | Total                    |                           | Infant Mortality         |                           | Neo-natal |
|-----------------|----------------------|----------------|---------------------|---------------------|---------------------|----------------|----------------------------|--------------------------|----------------------------|--------------------------|---------------------------|--------------------------|---------------------------|-----------|
|                 |                      | No. Registered | Rate per 1000 pop'n | No. Registered      | Rate per 1000 pop'n | No. Registered | Rate per 1000 total births | No. of deaths registered | Rate per 1000 total births | No. of deaths registered | Rate per 1000 live births | No. of deaths registered | Rate per 1000 live births |           |
| 1960            | 31,470               | 467            | 14.8                | 533                 | 16.9                | 16             | 33                         | 1                        | 2.1                        | 8                        | 17                        | 7                        | 15                        |           |
| 1961            | 32,140               | 530            | 16.5                | 536                 | 16.7                | 17             | 31                         | Nil                      | Nil                        | 7                        | 13                        | 6                        | 11                        |           |
| 1962            | 32,000               | 539            | 16.8                | 515                 | 16.1                | 12             | 22                         | Nil                      | Nil                        | 9                        | 17                        | 8                        | 15                        |           |
| 1963            | 32,000               | 519            | 16.2                | 493                 | 15.4                | 6              | 11                         | Nil                      | Nil                        | 12                       | 23                        | 6                        | 12                        |           |
| 1964            | 31,540               | 518            | 16.4                | 464                 | 14.7                | 4              | 8                          | Nil                      | Nil                        | 11                       | 21                        | 10                       | 19                        |           |
| Average 5 years |                      | 515            | 16.1                | 508                 | 16.0                | 11             | 21                         | 0.2                      | 0.4                        | 9                        | 18                        | 7                        | 14                        |           |
| 1965            | 31,290               | 502            | 16.0                | 521                 | 16.7                | 14             | 27                         | Nil                      | Nil                        | 14                       | 28                        | 10                       | 20                        |           |
| 1966            | 30,980               | 550            | 17.8                | 517                 | 16.7                | 4              | 7                          | Nil                      | Nil                        | 12                       | 22                        | 8                        | 14                        |           |
| 1967            | 30,630               | 496            | 16.2                | 441                 | 14.4                | 8              | 16                         | Nil                      | Nil                        | 7                        | 14                        | 4                        | 8                         |           |
| 1968            | 31,400               | 498            | 15.9                | 492                 | 15.7                | 8              | 16                         | Nil                      | Nil                        | 7                        | 14                        | 3                        | 6                         |           |
| 1969            | 31,230               | 500            | 16.0                | 525                 | 16.8                | 7              | 14                         | Nil                      | Nil                        | 14                       | 28                        | 10                       | 20                        |           |
| Average 5 years |                      | 509            | 16.4                | 499                 | 16.1                | 8              | 16                         | Nil                      | Nil                        | 11                       | 23                        | 7                        | 14                        |           |
| 1970            | 30,800               | 541            | 17.6                | 485                 | 15.7                | 4              | 7                          | 1                        | 1.8                        | 9                        | 17                        | 7                        | 13                        |           |

## VITAL STATISTICS

COMPARISON OF NELSON BIRTH AND DEATH RATES WITH THE NATIONAL RATES OVER A PERIOD OF 30 YEARS, 1941 - 1970 INCLUSIVE

| Year | Nelson               |             |       |       |             |                      |                         |             |       |       | England and Wales |                       |                       |                |                       |
|------|----------------------|-------------|-------|-------|-------------|----------------------|-------------------------|-------------|-------|-------|-------------------|-----------------------|-----------------------|----------------|-----------------------|
|      | Estimated Population | Birth Rates |       |       | Death Rates |                      |                         | Birth Rates |       |       | Death Rates       |                       |                       |                |                       |
|      |                      | Live        | Still | Total | Maternal    | Infant               |                         | Live        | Still | Total | Maternal          | Infant                |                       |                |                       |
|      |                      |             |       |       |             | Crude per 1000 pop'n | Adjusted per 1000 pop'n |             |       |       |                   | Per 1000 Total Births | Per 1000 Total Births | Per 1000 pop'n | Per 1000 Total Births |
| 1941 | 32,240               | 10.5        | -     | 55.0  | 14.3        | -                    | 5.06                    | 51          | -     | 14.2  | 34.4              | 12.9                  | 2.23                  | 59             | -                     |
| 1942 | 32,580               | 13.8        | -     | 46.8  | 15.1        | -                    | Nil                     | 56          | -     | 15.8  | 33.0              | 11.6                  | 2.01                  | 49             | 27.2                  |
| 1943 | 31,590               | 13.3        | -     | 41.1  | 16.1        | -                    | Nil                     | 48          | -     | 16.5  | 30.2              | 12.1                  | 2.29                  | 49             | 25.2                  |
| 1944 | 31,420               | 15.6        | -     | 23.8  | 15.3        | -                    | 1.98                    | 24          | -     | 17.6  | 27.7              | 11.6                  | 1.93                  | 46             | 24.3                  |
| 1945 | 31,100               | 13.4        | -     | 43.4  | 15.3        | -                    | 2.28                    | 40          | -     | 16.1  | 27.6              | 11.4                  | 1.79                  | 46             | 24.8                  |
| 1946 | 32,650               | 16.2        | -     | 50.1  | 15.1        | -                    | Nil                     | 28          | -     | 19.1  | 27.2              | 11.5                  | 1.43                  | 43             | 24.5                  |
| 1947 | 33,140               | 20.1        | -     | 16.9  | 14.9        | -                    | 1.47                    | 40          | 31.4  | 20.5  | 24.1              | 12.0                  | 1.17                  | 41             | 22.7                  |
| 1948 | 34,530               | 16.4        | -     | 25.7  | 15.0        | -                    | Nil                     | 40          | 28.2  | 17.9  | 23.2              | 10.8                  | 1.02                  | 34             | 19.7                  |
| 1949 | 34,530               | 13.8        | -     | 28.4  | 15.9        | 14.1                 | Nil                     | 36          | 16.7  | 16.7  | 22.7              | 11.7                  | 0.98                  | 32             | 19.3                  |
| 1950 | 34,670               | 14.1        | 15.1  | 10.1  | 16.3        | 14.5                 | 4.04                    | 12.2        | 10.2  | 15.8  | 22.7              | 11.6                  | 0.86                  | 29.8           | 18.5                  |
| 1951 | 34,240               | 13.6        | 14.4  | 27.2  | 16.9        | 14.9                 | 2.10                    | 28.0        | 21.6  | 15.5  | 23.0              | 12.5                  | 0.79                  | 29.6           | 18.8                  |
| 1952 | 33,900               | 13.4        | 14.2  | 21.5  | 13.7        | 12.1                 | 2.15                    | 17.5        | 13.1  | 15.3  | 22.6              | 11.3                  | 0.72                  | 27.6           | 18.3                  |
| 1953 | 33,510               | 14.5        | 15.4  | 20.1  | 15.7        | 13.8                 | 2.01                    | 32.8        | 24.6  | 15.5  | 22.4              | 11.4                  | 0.76                  | 26.8           | 17.7                  |
| 1954 | 33,390               | 11.1        | 12.1  | 28.8  | 15.1        | 13.5                 | Nil                     | 21.6        | 16.2  | 15.2  | 23.4              | 11.3                  | 0.69                  | 25.5           | 17.7                  |
| 1955 | 33,220               | 12.5        | 13.6  | 14.2  | 14.9        | 13.2                 | Nil                     | 12.0        | 7.2   | 15.0  | 23.1              | 11.7                  | 0.64                  | 24.9           | 17.3                  |
| 1956 | 32,700               | 13.6        | 14.8  | 22.0  | 15.9        | 15.3                 | Nil                     | 18.0        | 15.8  | 15.7  | 23.0              | 11.7                  | 0.56                  | 23.8           | 16.9                  |
| 1957 | 32,330               | 13.3        | 14.4  | 27.0  | 15.6        | 15.2                 | Nil                     | 23.2        | 13.9  | 16.1  | 22.4              | 11.5                  | 0.47                  | 23.0           | 16.5                  |
| 1958 | 32,060               | 13.5        | 14.5  | 20.4  | 15.3        | 14.6                 | Nil                     | 25.5        | 11.6  | 16.4  | 21.6              | 11.7                  | 0.43                  | 22.5           | 16.2                  |
| 1959 | 31,720               | 14.9        | 16.1  | 32.7  | 16.6        | 15.9                 | Nil                     | 19.0        | 14.8  | 16.5  | 20.7              | 11.6                  | 0.38                  | 22.0           | 15.8                  |
| 1960 | 31,470               | 14.8        | 16.0  | 33.1  | 16.9        | 16.1                 | 2.07                    | 17.1        | 15.0  | 17.1  | 19.7              | 11.5                  | 0.39                  | 21.7           | 15.6                  |
| 1961 | 32,140               | 16.5        | 17.8  | 31.1  | 16.7        | 15.8                 | Nil                     | 13.2        | 11.3  | 17.4  | 18.7              | 12.0                  | 0.33                  | 21.4           | 15.5                  |
| 1962 | 32,000               | 16.8        | 18.2  | 21.8  | 16.1        | 15.3                 | Nil                     | 16.7        | 14.8  | 18.0  | 18.1              | 11.9                  | 0.35                  | 21.4           | 15.1                  |
| 1963 | 32,000               | 16.2        | 18.5  | 11.4  | 15.4        | 14.0                 | Nil                     | 23.1        | 11.6  | 18.2  | 17.3              | 12.2                  | 0.28                  | 20.9           | 14.2                  |
| 1964 | 31,540               | 16.4        | 18.7  | 7.7   | 14.7        | 13.4                 | Nil                     | 21.2        | 19.3  | 18.4  | 16.3              | 11.3                  | 0.25                  | 20.0           | 13.8                  |
| 1965 | 31,290               | 16.0        | 18.3  | 27.1  | 16.7        | 14.8                 | Nil                     | 27.9        | 19.9  | 18.1  | 15.7              | 11.5                  | 0.25                  | 19.0           | 13.0                  |
| 1966 | 30,980               | 17.8        | 20.2  | 7.2   | 16.7        | 14.7                 | Nil                     | 21.8        | 14.5  | 17.7  | 15.4              | 11.7                  | 0.26                  | 19.0           | 12.9                  |
| 1967 | 30,630               | 16.2        | 18.5  | 15.9  | 14.4        | 12.8                 | Nil                     | 14.1        | 8.1   | 17.2  | 14.8              | 11.2                  | 0.20                  | 18.3           | 12.5                  |
| 1968 | 31,400               | 15.9        | 18.1  | 15.8  | 15.7        | 14.1                 | Nil                     | 14.0        | 6.0   | 16.9  | 14.3              | 11.9                  | 0.24                  | 18.3           | 12.4                  |
| 1969 | 31,230               | 16.0        | 18.2  | 13.8  | 16.8        | 15.1                 | Nil                     | 28.0        | 20.0  | 16.3  | 13.2              | 11.9                  | 0.19                  | 18.0           | 12.0                  |
| 1970 | 30,800               | 17.6        | 20.1  | 7.3   | 15.7        | 13.8                 | 1.83                    | 16.6        | 12.9  | 16.0  | 13.2              | 11.7                  | 0.18                  | 18.2           | 12.3                  |

# VITAL STATISTICS

Table showing Vital Statistics for 1970 of Authorities in Health Division No.6 for comparison

|                                                           | Nelson<br>MB | Colne<br>MB | Burnley<br>RD | Padiham<br>UD | Brierfield<br>UD | Barrowford<br>UD | Trawden<br>UD |
|-----------------------------------------------------------|--------------|-------------|---------------|---------------|------------------|------------------|---------------|
| Estimated Population Mid-Year 1970                        |              |             |               |               |                  |                  |               |
|                                                           | 30,800       | 18,790      | 16,230        | 10,100        | 7,340            | 4,700            | 2,010         |
| <u>Live Birth Rates, Etc.</u>                             |              |             |               |               |                  |                  |               |
| Live Births per 1,000 pop'n (Crude Rate)                  | 17.6         | 14.9        | 15.9          | 14.6          | 18.8             | 16.2             | 14.4          |
| Local adjusted rate                                       | 20.1         | 18.0        | 18.1          | 16.2          | 20.9             | 20.3             | 18.1          |
| Illegitimate live births as percentage of all live births | 8            | 13          | 4             | 6             | 9                | 9                | 3             |
| Stillbirth rate per 1,000 total births                    | 7            | 4           | 4             | 20            | 14               | -                | -             |
| <u>Mortality Rates, Etc.</u>                              |              |             |               |               |                  |                  |               |
| Deaths per 1,000 pop'n (Crude Rate)                       | 15.7         | 17.9        | 15.0          | 14.3          | 14.0             | 21.3             | 12.4          |
| Local adjusted rate                                       | 13.8         | 16.5        | 12.9          | 13.6          | 14.0             | 16.6             | 11.4          |
| Infant Mortality Rate per 1,000 live births               | 17           | 7           | 12            | 7             | 29               | -                | -             |
| Neo-natal Mortality Rate per 1,000 live births            | 13           | 7           | 8             | -             | 14               | -                | -             |
| Early Neo-natal Mortality Rate per 1,000 live births      | 11           | 4           | 8             | -             | 14               | -                | -             |
| Peri-natal Mortality Rate per 1,000 total births          | 18           | 7           | 12            | 20            | 29               | -                | -             |
| Malignant Neoplasms, Etc. Mortality per 1,000 pop'n       | 3.15         | 2.87        | 3.20          | 2.38          | 2.18             | 4.26             | 1.00          |
| do                                                        | -            | 0.05        | -             | -             | -                | -                | 0.50          |
| Respiratory Tuberculosis                                  |              |             |               |               |                  |                  |               |



## VITAL STATISTICS - CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1970 WITH EQUIVALENT DEATH RATES

## PART 2

| Cause of Death                       | Sex      | Under 4 weeks | 4 weeks & under 1 year | Age in years |        |        |        |        |          |          |          | Total All Ages | Rate per 1,000 pop'n |           |
|--------------------------------------|----------|---------------|------------------------|--------------|--------|--------|--------|--------|----------|----------|----------|----------------|----------------------|-----------|
|                                      |          |               |                        | 1-           | 5-     | 15-    | 25-    | 35-    | 45-      | 55-      | 65-      |                |                      | 75 & over |
|                                      |          |               |                        |              |        |        |        |        |          |          |          |                |                      |           |
| Totals (b/f from Part 1)             | M.<br>F. | -<br>-        | -<br>1                 | -<br>-       | -<br>- | 1<br>- | -<br>- | 1<br>3 | 5<br>9   | 10<br>10 | 16<br>13 | 15<br>22       | 48)<br>58)           |           |
| Other Diseases of Nervous System     | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>-   | -<br>-   | 2<br>-         | 2)<br>4)             | 0.19      |
| Chronic Rheumatic Heart Disease      | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | 1<br>1 | -<br>- | -<br>- | -<br>-   | -<br>-   | 3<br>1   | -<br>1         | 4)<br>3)             | 0.23      |
| Hypertensive Disease                 | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | 1<br>-   | -<br>-   | -<br>1         | 1)<br>1)             | 0.07      |
| Ischaemic Heart Disease              | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>2 | -<br>- | -<br>- | 4<br>3   | 17<br>4  | 21<br>15 | 25<br>36       | 69)<br>58)           | 4.12      |
| Other Forms of Heart Disease         | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>-   | 1<br>1   | 3<br>-   | 2<br>8         | 7)<br>9)             | 0.52      |
| Cerebro-vascular Disease             | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | 1<br>- | -<br>- | -<br>-   | 3<br>3   | 5<br>13  | 16<br>20       | 25)<br>36)           | 1.98      |
| Other Diseases of Circulatory System | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | 1<br>- | -<br>- | -<br>-   | 1<br>1   | 4<br>5   | 8<br>13        | 14)<br>15)           | 0.94      |
| Influenza                            | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>-   | 3<br>2   | 12<br>1        | 3)<br>7)             | 0.32      |
| Pneumonia                            | M.<br>F. | -<br>-        | 1<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | 1<br>1   | 2<br>1   | 1<br>4   | 3<br>4         | 11)<br>20)           | 1.01      |
| Bronchitis and Emphysema             | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | 1<br>- | -<br>- | -<br>- | 1<br>1   | 1<br>3   | 5<br>10  | 7<br>5         | 22)<br>6)            | 0.91      |
| Other Diseases of Respiratory System | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | 1<br>-   | 1<br>-   | -<br>2         | 2)<br>2)             | 0.13      |
| Peptic Ulcer                         | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | 1<br>-   | -<br>-   | 1<br>-         | 2)<br>-)             | 0.07      |
| Intestinal Obstruction and Hernia    | M.<br>F. | -<br>-        | -<br>-                 | -<br>-       | -<br>- | -<br>- | -<br>- | -<br>- | -<br>-   | -<br>-   | -<br>-   | -<br>2         | -)<br>2)             | 0.07      |
| Totals c/f to Part 3                 | M.<br>F. | -<br>1        | 1<br>1                 | -<br>-       | -<br>- | 1<br>- | 2<br>- | 5<br>5 | 12<br>13 | 39<br>21 | 69<br>55 | 81<br>125      | 210)<br>221)         |           |



## VITAL STATISTICS

CLASSIFICATION OF INFANT DEATHS DURING 1970 ACCORDING TO CAUSES  
AND AGES

| Cause of Death                                                                                        | Neo-natal<br>(Under<br>4 wks.) |    | Others<br>(4 wks.-<br>12 mths.) |    | Total |    |
|-------------------------------------------------------------------------------------------------------|--------------------------------|----|---------------------------------|----|-------|----|
|                                                                                                       | M.                             | F. | M.                              | F. | M.    | F. |
| <u>Infective and Parasitic Diseases</u>                                                               |                                |    |                                 |    |       |    |
| Chickenpox                                                                                            | -                              | -  | -                               | 1  | -     | 1  |
| <u>Diseases of the Respiratory System</u>                                                             |                                |    |                                 |    |       |    |
| Pneumonia, unspecified                                                                                | -                              | 1  | 1                               | -  | 1     | 1  |
| <u>Congenital Anomalies</u>                                                                           |                                |    |                                 |    |       |    |
| Congenital anomalies of heart -<br>unspecified                                                        | -                              | 1  | -                               | -  | -     | 1  |
| <u>Certain Causes of Perinatal Morbidity<br/>and Mortality - Other Complications<br/>of Pregnancy</u> |                                |    |                                 |    |       |    |
| Premature separation of placenta                                                                      | 1                              | 1  | -                               | -  | 1     | 1  |
| <u>Anoxic and Hyponoxic conditions not<br/>elsewhere classified</u>                                   |                                |    |                                 |    |       |    |
| Respiratory distress syndrome                                                                         | 2                              | -  | -                               | -  | 2     | -  |
| <u>Immaturity, unqualified</u>                                                                        | 1                              | -  | -                               | -  | 1     | -  |
| Totals                                                                                                | 4                              | 3  | 1                               | 1  | 5     | 4  |
|                                                                                                       | 7                              |    | 2                               |    | 9     |    |

## VITAL STATISTICS

## ANALYSIS OF DEATHS FROM CANCER DURING 1970 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

## PART 1

| Location of Growth                                | Age Groups  |             |             |             |             |             |                 |    |    |    | Total M. F. | Total | Rate per 1,000 pop'n 1970 | Rate per 1,000 pop'n 1969 |
|---------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|----|----|----|-------------|-------|---------------------------|---------------------------|
|                                                   | 15-24 M. F. | 25-34 M. F. | 35-44 M. F. | 45-54 M. F. | 55-64 M. F. | 65-74 M. F. | 75 & over M. F. |    |    |    |             |       |                           |                           |
| BUCCAL CAVITY AND PHARYNX                         |             |             |             |             |             |             |                 |    |    |    |             |       |                           |                           |
| Other & unspecified parts of mouth                | -           | -           | -           | -           | -           | -           | 1               | -  | 1  | -  | 1           | 1     | 0.03                      | 0.03                      |
| Nasopharynx                                       | -           | -           | -           | -           | -           | -           | -               | -  | -  | -  | 1           | 1     | 0.03                      | -                         |
| DIGESTIVE ORGANISMS AND PERITONEUM                |             |             |             |             |             |             |                 |    |    |    |             |       |                           |                           |
| Oesophagus                                        | -           | -           | -           | -           | -           | -           | -               | -  | -  | -  | -           | -     | -                         | 0.06                      |
| Stomach                                           | -           | -           | -           | 1           | -           | 2           | 4               | 3  | 7  | 5  | 12          | 12    | 0.39                      | 0.48                      |
| Small intestine including duodenum                | -           | -           | -           | -           | -           | -           | -               | -  | -  | -  | -           | -     | -                         | 0.42                      |
| Large intestine except rectum                     | -           | -           | -           | -           | 1           | 1           | 1               | 4  | 3  | 6  | 9           | 9     | 0.29                      | 0.10                      |
| Rectum and recto-sigmoid junction                 | -           | -           | 1           | -           | -           | 1           | -               | 2  | 3  | 3  | 6           | 6     | 0.19                      | 0.10                      |
| Liver & intra-hepatic ducts, specified as primary | -           | -           | -           | -           | 1           | -           | 1               | -  | 2  | 1  | 3           | 3     | 0.10                      | -                         |
| Pancreas                                          | -           | -           | -           | 1           | 2           | 1           | 1               | -  | 5  | 3  | 8           | 8     | 0.26                      | 0.10                      |
| RESPIRATORY SYSTEM                                |             |             |             |             |             |             |                 |    |    |    |             |       |                           |                           |
| Trachea, bronchus & lung                          | -           | -           | -           | 2           | 3           | 1           | 3               | -  | 15 | 2  | 17          | 17    | 0.55                      | 0.99                      |
| BONE, CONNECTIVE TISSUE, SKIN & BREAST            |             |             |             |             |             |             |                 |    |    |    |             |       |                           |                           |
| Bone                                              | -           | -           | -           | -           | -           | -           | -               | 1  | -  | 1  | 1           | 1     | 0.03                      | -                         |
| Other malignant neoplasms of skin                 | -           | -           | -           | -           | -           | -           | 1               | -  | -  | 1  | 1           | 1     | 0.03                      | -                         |
| Breast                                            | -           | -           | -           | 4           | -           | 2           | -               | 2  | -  | 14 | 14          | 14    | 0.46                      | 0.45                      |
| Totals c/f to Part 2                              | -           | -           | 1           | 4           | 8           | 12          | 11              | 11 | 36 | 37 | 73          | 73    |                           |                           |

VITAL STATISTICS

ANALYSIS OF DEATHS FROM CANCER DURING 1970 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

PART 2

| Location of Growth                                        | Age Groups     |                |                |                |                |                |                    |    |    |    | Total<br>M. F. | Total<br>1,000 pop'n<br>1970 | Rate per<br>1,000 pop'n<br>1969 |      |
|-----------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|----|----|----|----------------|------------------------------|---------------------------------|------|
|                                                           | 15-24<br>M. F. | 25-34<br>M. F. | 35-44<br>M. F. | 45-54<br>M. F. | 55-64<br>M. F. | 65-74<br>M. F. | 75 & over<br>M. F. |    |    |    |                |                              |                                 |      |
| Totals b/f from Part 1                                    | -              | -              | 1              | 2              | 4              | 4              | 8                  | 8  | 12 | 11 | 36             | 37                           | 73                              |      |
| <u>GENITO URINARY ORGANS</u>                              |                |                |                |                |                |                |                    |    |    |    |                |                              |                                 |      |
| Cervix Uteri                                              | -              | -              | -              | 1              | -              | 1              | -                  | -  | -  | -  | -              | 4                            | 4                               | 0.13 |
| Other malignant neoplasms of uterus                       | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | 2                               | 0.07 |
| Ovary, fallopian tube and broad ligament                  | -              | -              | -              | -              | -              | 2              | -                  | 1  | -  | -  | -              | 3                            | 3                               | 0.10 |
| Prostate                                                  | -              | -              | -              | -              | -              | -              | -                  | -  | 2  | -  | 4              | -                            | 4                               | 0.13 |
| Bladder                                                   | -              | -              | -              | -              | -              | -              | 1                  | -  | 1  | 1  | 2              | 2                            | 4                               | 0.13 |
| Other unspecified urinary organs                          | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | -    |
| <u>OTHER AND UNSPECIFIED SITES</u>                        |                |                |                |                |                |                |                    |    |    |    |                |                              |                                 |      |
| Other parts of nervous system                             | -              | -              | -              | -              | 1              | -              | -                  | -  | -  | -  | 1              | -                            | 1                               | 0.03 |
| Thyroid gland                                             | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | -    |
| Ill-defined sites                                         | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | -    |
| Secondary & unspecified malignant neoplasm of lymph nodes | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | -    |
| Other secondary malignant neoplasm                        | -              | -              | -              | -              | -              | -              | -                  | -  | -  | 1  | 1              | 3                            | 4                               | 0.13 |
| Malignant neoplasm without specification of site          | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | 1                            | 1                               | 0.03 |
| <u>LYMPHATIC AND HAEMATOPOIETIC TISSUE</u>                |                |                |                |                |                |                |                    |    |    |    |                |                              |                                 |      |
| Lymphosarcoma and reticulum cell sarcoma                  | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | 0.03 |
| Hodgkins Disease                                          | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | 0.03 |
| Other neoplasms of lymphoid tissue                        | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | 0.03 |
| Multiple myeloma                                          | -              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | -              | -                            | -                               | 0.03 |
| Myeloid leukaemia                                         | 1              | -              | -              | -              | -              | -              | -                  | -  | -  | -  | 1              | -                            | 1                               | 0.06 |
| Totals                                                    | 1              | -              | -              | 1              | 3              | 5              | 8                  | 9  | 10 | 15 | 45             | 52                           | 97                              | 3.15 |
|                                                           | 1              | -              | -              | 4              | 13             | 19             | 28                 | 32 | 36 | 97 | 3.36           |                              |                                 |      |

## 1970 - MONTHLY ANALYSIS OF DEATHS

WITH RATES PER 1,000 POPULATION

| Month     | Actual Deaths in Nelson |     | Outward Transfers |    | Inward Transfers |     | Nett deaths in Nelson |     |       |                      |
|-----------|-------------------------|-----|-------------------|----|------------------|-----|-----------------------|-----|-------|----------------------|
|           | M.                      | F.  | M.                | F. | M.               | F.  | Number                |     |       | Rate per 1,000 pop'n |
|           |                         |     |                   |    |                  |     | M.                    | F.  | Total |                      |
| January   | 23                      | 25  | -                 | 1  | 16               | 22  | 39                    | 46  | 85    | 2.76                 |
| February  | 15                      | 13  | 1                 | -  | 7                | 11  | 21                    | 24  | 45    | 1.46                 |
| March     | 17                      | 8   | 1                 | -  | 8                | 12  | 24                    | 20  | 44    | 1.43                 |
| April     | 12                      | 8   | 3                 | -  | 5                | 5   | 14                    | 13  | 27    | 0.88                 |
| May       | 8                       | 14  | 1                 | 5  | 11               | 12  | 18                    | 21  | 39    | 1.27                 |
| June      | 14                      | 11  | 1                 | -  | 7                | 16  | 20                    | 27  | 47    | 1.53                 |
| July      | 5                       | 6   | 1                 | -  | 14               | 9   | 18                    | 15  | 33    | 1.07                 |
| August    | 5                       | 12  | 1                 | 4  | 12               | 3   | 16                    | 11  | 27    | 0.88                 |
| September | 6                       | 10  | -                 | 2  | 3                | 10  | 9                     | 18  | 27    | 0.88                 |
| October   | 6                       | 10  | 1                 | 1  | 10               | 12  | 15                    | 21  | 36    | 1.17                 |
| November  | 8                       | 8   | -                 | 2  | 6                | 10  | 14                    | 16  | 30    | 0.97                 |
| December  | 14                      | 13  | 3                 | -  | 13               | 8   | 24                    | 21  | 45    | 1.45                 |
| Totals    | 133                     | 138 | 13                | 15 | 112              | 130 | 232                   | 253 | 485   | 15.75                |

## 1970

## SUMMARY OF AGES AT DEATH

| Age Groups   | Deaths in Nelson |     | Outward Transfers |    | Inward Transfers |     | Total Deaths Allocated to Nelson |     |       | % of each group to total deaths |
|--------------|------------------|-----|-------------------|----|------------------|-----|----------------------------------|-----|-------|---------------------------------|
|              | M.               | F.  | M.                | F. | M.               | F.  | M.                               | F.  | Total |                                 |
| Under 1 year | -                | -   | -                 | -  | 5                | 4   | 5                                | 4   | 9     | 1.86                            |
| 1 year       | -                | -   | -                 | -  | -                | -   | -                                | -   | -     | -                               |
| 2 - 4 years  | -                | -   | -                 | -  | 2                | -   | 2                                | -   | 2     | 0.41                            |
| 5 - 9 years  | -                | -   | -                 | -  | -                | -   | -                                | -   | -     | -                               |
| 10 - 14 "    | -                | -   | -                 | -  | -                | -   | -                                | -   | -     | -                               |
| 15 - 19 "    | 1                | -   | 1                 | -  | 1                | 1   | 1                                | 1   | 2     | 0.41                            |
| 20 - 24 "    | -                | -   | -                 | -  | 1                | -   | 1                                | -   | 1     | 0.21                            |
| 25 - 29 "    | -                | -   | -                 | -  | 1                | -   | 1                                | -   | 1     | 0.21                            |
| 30 - 34 "    | -                | -   | -                 | -  | 1                | -   | 1                                | -   | 1     | 0.21                            |
| 35 - 39 "    | 2                | 1   | -                 | -  | 1                | 2   | 3                                | 3   | 6     | 1.24                            |
| 40 - 44 "    | 3                | 3   | 1                 | -  | -                | 1   | 2                                | 4   | 6     | 1.24                            |
| 45 - 49 "    | 4                | 5   | -                 | 1  | 5                | 2   | 9                                | 6   | 15    | 3.09                            |
| 50 - 54 "    | 4                | 6   | -                 | -  | 1                | 4   | 5                                | 10  | 15    | 3.09                            |
| 55 - 59 "    | 7                | 3   | 3                 | -  | 8                | 5   | 12                               | 8   | 20    | 4.12                            |
| 60 - 64 "    | 12               | 6   | -                 | -  | 15               | 12  | 27                               | 18  | 45    | 9.28                            |
| 65 - 69 "    | 25               | 9   | 2                 | 2  | 15               | 6   | 38                               | 13  | 51    | 10.52                           |
| 70 - 74 "    | 17               | 28  | 1                 | 5  | 18               | 23  | 34                               | 46  | 80    | 16.49                           |
| 75 - 79 "    | 28               | 26  | 2                 | 5  | 16               | 29  | 42                               | 50  | 92    | 18.97                           |
| 80 - 84 "    | 20               | 28  | 2                 | 1  | 10               | 24  | 28                               | 51  | 79    | 16.29                           |
| 85 - 89 "    | 5                | 14  | 1                 | -  | 10               | 13  | 14                               | 27  | 41    | 8.45                            |
| 90 - 94 "    | 5                | 8   | -                 | 1  | 2                | 3   | 7                                | 10  | 17    | 3.50                            |
| 95 - 99 "    | -                | 1   | -                 | -  | -                | 1   | -                                | 2   | 2     | 0.41                            |
| Totals       | 133              | 138 | 13                | 15 | 112              | 130 | 232                              | 253 | 485   | 100.00                          |

## ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH 1960 - 1970 INCLUSIVE

| Age groups    | Each age group as percentage of total annual deaths |       |       |       |       |       |       |       |       |       |       |
|---------------|-----------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|               | 1960                                                | 1961  | 1962  | 1963  | 1964  | 1965  | 1966  | 1967  | 1968  | 1969  | 1970  |
| Under 1 year  | 1.50                                                | 1.31  | 1.75  | 2.43  | 2.38  | 2.69  | 2.32  | 1.59  | 1.42  | 2.85  | 1.86  |
| 1 year        | 0.38                                                | 0.19  | -     | -     | -     | -     | 0.19  | 0.23  | -     | -     | -     |
| 2 - 4 years   | -                                                   | 0.19  | -     | -     | 0.22  | 0.20  | 0.19  | 0.23  | -     | 0.38  | 0.41  |
| 5 - 9 years   | 0.38                                                | 0.74  | 0.39  | -     | 0.22  | 0.20  | 0.19  | -     | 0.41  | -     | -     |
| 10 - 14 years | -                                                   | 0.19  | -     | -     | -     | -     | -     | 0.45  | 0.20  | -     | -     |
| 15 - 19 years | 0.19                                                | 0.19  | 0.19  | 0.20  | 0.22  | -     | 0.19  | 0.45  | -     | 0.38  | 0.41  |
| 20 - 24 years | -                                                   | 0.37  | 0.19  | 0.20  | -     | 0.38  | 0.19  | 0.23  | 0.20  | 0.38  | 0.21  |
| 25 - 29 years | -                                                   | -     | -     | -     | -     | 0.57  | 0.39  | -     | 0.20  | -     | 0.21  |
| 30 - 34 years | 0.38                                                | 0.37  | 0.39  | 0.61  | 0.43  | 0.20  | 0.39  | 0.68  | -     | 0.38  | 0.21  |
| 35 - 39 years | 0.94                                                | 0.19  | 0.78  | 0.61  | 0.43  | 1.53  | 0.97  | 0.68  | 0.20  | 0.19  | 1.24  |
| 40 - 44 years | 1.31                                                | 0.93  | 1.17  | 0.82  | 1.28  | 1.92  | 0.77  | 1.36  | 1.02  | 1.52  | 1.24  |
| 45 - 49 years | 2.44                                                | 1.88  | 1.75  | 1.82  | 2.16  | 0.77  | 2.13  | 1.13  | 2.44  | 2.86  | 3.09  |
| 50 - 54 years | 4.13                                                | 3.54  | 5.05  | 3.04  | 3.23  | 3.45  | 1.93  | 4.76  | 2.03  | 2.67  | 3.09  |
| 55 - 59 years | 5.81                                                | 5.41  | 5.63  | 6.69  | 4.53  | 4.80  | 5.03  | 6.12  | 5.69  | 5.34  | 4.12  |
| 60 - 64 years | 9.94                                                | 9.51  | 9.32  | 12.58 | 11.64 | 9.02  | 8.90  | 7.48  | 8.54  | 10.10 | 9.28  |
| 65 - 69 years | 14.26                                               | 13.80 | 13.98 | 12.58 | 14.44 | 12.48 | 12.96 | 14.97 | 14.43 | 15.43 | 10.52 |
| 70 - 74 years | 16.51                                               | 16.60 | 16.88 | 15.21 | 18.10 | 21.11 | 17.22 | 16.56 | 14.43 | 17.52 | 16.49 |
| 75 - 79 years | 19.32                                               | 19.40 | 19.42 | 17.44 | 18.75 | 15.93 | 18.38 | 18.14 | 19.92 | 14.86 | 18.97 |
| 80 - 84 years | 11.25                                               | 14.74 | 13.79 | 15.42 | 12.28 | 14.20 | 18.38 | 13.60 | 16.46 | 15.80 | 16.29 |
| 85 - 89 years | 9.57                                                | 8.77  | 7.96  | 8.32  | 7.76  | 7.29  | 7.35  | 7.94  | 8.94  | 6.29  | 8.45  |
| 90 - 94 years | 1.31                                                | 1.49  | 0.97  | 1.62  | 1.93  | 2.88  | 1.74  | 2.95  | 3.05  | 2.67  | 3.50  |
| 95 - 99 years | 0.38                                                | 0.19  | 0.39  | 0.41  | -     | 0.38  | 0.19  | 0.45  | 0.41  | 0.38  | 0.41  |
| Total Deaths  | 533                                                 | 536   | 515   | 493   | 464   | 521   | 517   | 441   | 492   | 525   | 485   |

## VITAL STATISTICS

PERCENTAGE OF TOTAL DEATHS, ACCORDING TO AGES, (AT FIVE-YEAR INTERVALS) FROM 1920 - 1970

| Ages            | 1920   | 1925   | 1930   | 1935   | 1940   | 1945          | 1950   | 1955   | 1960   | 1965   | 1970   |
|-----------------|--------|--------|--------|--------|--------|---------------|--------|--------|--------|--------|--------|
| Under 1 year    | 13.2   | 7.7    | 7.7    | 5.9    | 3.6    | 3.6           | 1.1    | 1.0    | 1.5    | 2.7    | 1.86   |
| 1 - 4 years     | 2.2    | 5.3    | 2.3    | 1.1    | 0.8    |               | 0.4    | 0.6    | 0.4    | 0.2    | 0.41   |
| 5 - 14 "        | 3.2    | 2.1    | 1.6    | 1.7    | 0.4    | Not available | 0.4    | 0.6    | 0.4    | 0.2    | -      |
| 15 - 44 "       | 20.2   | 15.5   | 12.0   | 12.6   | 10.0   |               | 2.1    | 2.6    | 2.8    | 4.6    | 3.50   |
| 45 - 64 "       | 26.1   | 32.8   | 29.8   | 28.5   | 28.1   |               | 26.9   | 25.5   | 22.3   | 18.0   | 19.59  |
| 65 years & over | 35.1   | 36.6   | 46.6   | 50.2   | 57.1   |               | 69.1   | 69.7   | 72.6   | 74.3   | 74.64  |
| Total Deaths    | 410    | 478    | 483    | 460    | 530    | 478           | 564    | 494    | 533    | 521    | 485    |
| Population      | 43,095 | 39,990 | 39,760 | 37,096 | 33,520 | 31,100        | 34,670 | 33,220 | 31,470 | 31,290 | 30,800 |
| Death Rate      | 9.5    | 11.9   | 12.1   | 12.4   | 15.8   | 15.3          | 16.3   | 14.9   | 16.9   | 16.7   | 15.7   |

## VITAL STATISTICS

DEATHS OCCURRING IN NELSON AND OUTWARD AND INWARD TRANSFERABLE DEATHS  
 IN PERCENTAGE COMPARISON WITH THE NETT DEATHS ASSIGNED TO NELSON  
 EACH YEAR OVER THE PERIOD 1933 - 1970 INCLUSIVE

| Year  | Deaths in Nelson |               |            |               |                  | Deaths out of Borough Inward Transfers to Nelson |                  | Nett deaths assigned to Nelson |
|-------|------------------|---------------|------------|---------------|------------------|--------------------------------------------------|------------------|--------------------------------|
|       | Actual Number    | Actual Number | % of above | Actual Number | % of nett deaths | Actual Number                                    | % of nett deaths |                                |
| 1970  | 271              | 28            | 10.3       | 243           | 50.1             | 242                                              | 49.9             | 485                            |
| 1969  | 342              | 48            | 14.0       | 294           | 56.0             | 231                                              | 44.0             | 525                            |
| 1968  | 313              | 42            | 13.4       | 271           | 55.1             | 221                                              | 44.9             | 492                            |
| 1967  | 276              | 31            | 11.1       | 245           | 55.6             | 196                                              | 44.4             | 441                            |
| 1966  | 331              | 42            | 12.7       | 289           | 55.9             | 228                                              | 44.1             | 517                            |
| 1965  | 321              | 49            | 15.3       | 272           | 52.2             | 249                                              | 47.8             | 521                            |
| 1964  | 325              | 42            | 14.8       | 283           | 61.0             | 181                                              | 39.0             | 464                            |
| 1963  | 369              | 52            | 14.1       | 317           | 64.3             | 176                                              | 35.7             | 493                            |
| 1962  | 356              | 47            | 13.2       | 309           | 60.0             | 206                                              | 40.0             | 515                            |
| 1961  | 375              | 40            | 11.9       | 335           | 62.5             | 201                                              | 37.5             | 536                            |
| 1960  | 362              | 43            | 13.5       | 319           | 59.9             | 214                                              | 40.1             | 533                            |
| 1959  | 366              | 34            | 10.2       | 332           | 63.1             | 194                                              | 36.9             | 526                            |
| 1958  | 381              | 50            | 15.1       | 331           | 67.7             | 158                                              | 32.3             | 489                            |
| 1957  | 408              | 49            | 13.6       | 359           | 71.1             | 146                                              | 28.9             | 505                            |
| 1956  | 414              | 54            | 15.0       | 360           | 69.1             | 161                                              | 30.9             | 521                            |
| 1955  | 406              | 58            | 16.6       | 348           | 70.4             | 146                                              | 29.6             | 494                            |
| 1954  | 411              | 59            | 16.8       | 352           | 69.7             | 153                                              | 30.3             | 505                            |
| 1953  | 439              | 47            | 12.0       | 392           | 74.5             | 134                                              | 25.5             | 526                            |
| 1952  | 382              | 52            | 13.6       | 330           | 71.0             | 135                                              | 29.0             | 465                            |
| 1951  | 440              | 26            | 5.9        | 414           | 71.4             | 166                                              | 28.6             | 580                            |
| 1950  | 451              | 30            | 6.6        | 421           | 74.6             | 143                                              | 25.4             | 564                            |
| 1949  | 433              | 25            | 5.8        | 408           | 74.5             | 140                                              | 25.5             | 548                            |
| 1948  | 386              | 15            | 3.9        | 371           | 71.3             | 149                                              | 28.7             | 520                            |
| 1947  | 419              | 26            | 6.2        | 393           | 79.1             | 104                                              | 20.7             | 497                            |
| 1946  | 412              | 26            | 6.3        | 386           | 78.1             | 108                                              | 21.9             | 494                            |
| 1945  | 389              | 18            | 4.6        | 371           | 77.6             | 107                                              | 22.4             | 478                            |
| 1944  | 367              | 18            | 5.1        | 349           | 72.6             | 132                                              | 27.4             | 481                            |
| 1943) |                  |               |            |               |                  |                                                  |                  | (509)                          |
| 1942) |                  |               |            |               |                  |                                                  |                  | (491)                          |
| 1941) |                  |               |            |               |                  |                                                  |                  | (491)                          |
| 1940  | 406              | 10            | 2.5        | 396           | 74.7             | 134                                              | 25.3             | 530                            |
| 1939  | 415              | 19            | 4.6        | 396           | 75.4             | 129                                              | 24.6             | 525                            |
| 1938  | 426              | 12            | 2.8        | 414           | 75.3             | 136                                              | 24.7             | 550                            |
| 1937  | 395              | 12            | 3.0        | 383           | 78.0             | 108                                              | 22.0             | 491                            |
| 1936  | 401              | 21            | 5.2        | 380           | 79.2             | 100                                              | 20.8             | 480                            |
| 1935  | 368              | 13            | 3.5        | 355           | 77.2             | 105                                              | 22.8             | 460                            |
| 1934  | 401              | 17            | 4.2        | 384           | 80.7             | 92                                               | 19.3             | 476                            |
| 1933  | 462              | 23            | 5.0        | 439           | 81.9             | 97                                               | 18.1             | 536                            |

VITAL STATISTICS

DEATHS OCCURRING IN HOSPITALS OR INSTITUTIONS IN RELATION TO TOTAL DEATHS DURING 1970

| Quarter Ended         | Deaths in Nelson |                               | Outward Transfers |                               | Inward Transfers |                               | Nett Deaths    |                               |
|-----------------------|------------------|-------------------------------|-------------------|-------------------------------|------------------|-------------------------------|----------------|-------------------------------|
|                       | Total<br>M. F.   | In Hosp.<br>or Inst.<br>M. F. | Total<br>M. F.    | In Hosp.<br>or Inst.<br>M. F. | Total<br>M. F.   | In Hosp.<br>or Inst.<br>M. F. | Total<br>M. F. | In Hosp.<br>or Inst.<br>M. F. |
| 31st March            | 55 46<br>101     | 6 4<br>10 9.9%                | 2 1<br>3          | 2 1<br>3 100%                 | 31 45<br>76      | 30 43<br>73 96.0%             | 84 90<br>174   | 34 46<br>80 46.0%             |
| 30th June             | 34 33<br>67      | 7 10<br>17 25.4%              | 5 5<br>10         | 4 5<br>9 90.0%                | 23 33<br>56      | 23 32<br>55 98.2%             | 52 61<br>113   | 26 37<br>63 55.7%             |
| 30th September        | 16 28<br>44      | 3 11<br>14 31.8%              | 2 6<br>8          | 1 7<br>8 100%                 | 29 22<br>51      | 29 22<br>51 100%              | 43 44<br>87    | 31 26<br>57 65.5%             |
| 31st December         | 28 31<br>59      | 6 10<br>16 27.1%              | 4 3<br>7          | 4 2<br>6 85.7%                | 29 30<br>59      | 28 29<br>57 96.6%             | 53 58<br>111   | 30 37<br>67 60.4%             |
| Total for<br>the year | 133 138<br>271   | 22 35<br>57 21.0%             | 13 15<br>28       | 11 15<br>26 92.8%             | 112 130<br>242   | 110 126<br>237 97.9%          | 232 253<br>485 | 121 146<br>267 55.0%          |

# VITAL STATISTICS

## PERCENTAGE OF DEATHS WHICH OCCURRED IN HOSPITALS, INSTITUTIONS, ETC., ANNUALLY

FROM 1955 - 1969 INCLUSIVE, WITH QUINQUENNIAL AVERAGES AND 1970

| Year    | Deaths in Nelson       |                                     |                                  |                                     | Inward Transfer Deaths From Other Areas |                                     | Nett Deaths Assigned to Nelson |                                     |
|---------|------------------------|-------------------------------------|----------------------------------|-------------------------------------|-----------------------------------------|-------------------------------------|--------------------------------|-------------------------------------|
|         | Total Number in Nelson | % occurring in hospital, inst. etc. | Outward Transfers to Other Areas | % occurring in hospital, inst. etc. | Total Number                            | % occurring in hospital, inst. etc. | Total Number                   | % occurring in hospital, inst. etc. |
| 1955    | 406                    | 21.9                                | 58                               | 81.0                                | 146                                     | 73.9                                | 494                            | 30.3                                |
| 1956    | 414                    | 20.8                                | 54                               | 87.0                                | 161                                     | 96.9                                | 521                            | 37.4                                |
| 1957    | 408                    | 19.8                                | 49                               | 93.8                                | 146                                     | 94.5                                | 505                            | 34.2                                |
| 1958    | 381                    | 17.6                                | 50                               | 84.0                                | 158                                     | 90.5                                | 489                            | 34.3                                |
| 1959    | 366                    | 15.3                                | 34                               | 82.3                                | 194                                     | 95.9                                | 526                            | 40.7                                |
| Average | 395                    | 19.1                                | 49                               | 85.6                                | 161                                     | 90.3                                | 507                            | 35.4                                |
| 1960    | 362                    | 20.4                                | 43                               | 81.4                                | 214                                     | 95.3                                | 533                            | 45.8                                |
| 1961    | 375                    | 18.4                                | 40                               | 77.5                                | 201                                     | 93.5                                | 536                            | 42.2                                |
| 1962    | 356                    | 19.9                                | 47                               | 78.7                                | 206                                     | 96.6                                | 515                            | 45.2                                |
| 1963    | 369                    | 23.0                                | 52                               | 86.5                                | 176                                     | 96.6                                | 493                            | 42.6                                |
| 1964    | 325                    | 20.3                                | 42                               | 88.1                                | 181                                     | 95.0                                | 464                            | 43.3                                |
| Average | 357                    | 20.4                                | 45                               | 82.4                                | 196                                     | 95.4                                | 508                            | 43.8                                |
| 1965    | 321                    | 20.6                                | 49                               | 77.5                                | 249                                     | 95.6                                | 521                            | 51.0                                |
| 1966    | 331                    | 20.8                                | 42                               | 83.3                                | 228                                     | 94.3                                | 517                            | 48.2                                |
| 1967    | 276                    | 18.5                                | 31                               | 87.1                                | 196                                     | 93.9                                | 441                            | 47.2                                |
| 1968    | 313                    | 22.0                                | 42                               | 85.7                                | 221                                     | 93.2                                | 492                            | 48.6                                |
| 1969    | 342                    | 21.9                                | 48                               | 91.7                                | 231                                     | 98.3                                | 525                            | 49.1                                |
| Average | 317                    | 20.8                                | 42                               | 85.1                                | 225                                     | 95.1                                | 499                            | 48.8                                |
| 1970    | 271                    | 21.0                                | 28                               | 92.8                                | 242                                     | 97.9                                | 485                            | 55.0                                |

Particulars of the staff of the Health Department are given on page 7 of this report.

In subsequent sections, full details will be found relating to infectious diseases and environmental health services within the Borough, for which the Council is directly responsible.

The present section relates to those health services which concern more the personal health and welfare of the individual rather than public health and the community.

Liaison between County Council Services and Borough Council Services is facilitated by the fact that your Medical Officer of Health is also Schools Medical Officer and Divisional Medical Officer.

### HOSPITALS

The Hospital Services for the Borough are provided by the Burnley and District Hospital Management Committee of the Manchester Regional Hospital Board and action is taken by them to secure adequate hospital treatment for the varying needs of the people.

Hospitals in the Burnley district available to Nelson residents are as follows:-

Beddyford Road, SECTION B

Grave House Recovery Home, Burnley

Burnley Hospital, Colne

Bank Hall Hospital, Burnley

Edith Watson Maternity Unit, General Hospital, Burnley

General GENERAL PROVISION OF

Naraden Hospital, HEALTH SERVICES

Victoria Hospital, Burnley FOR THE AREA

Patients suffering from infectious diseases are, when necessary, admitted to Naraden Hospital, Burnley.

### VENERAL DISEASE CLINIC

This service is also provided by the Burnley and District Hospital Management Committee and separate clinics are held twice a week, for both male and female patients, at the Victoria Hospital, Burnley.

### LABORATORY FACILITIES

The facilities of the Public Health Laboratory, Royal Infirmary, Meadow Street, Preston, are available for the use of your Authority.

Samples of water, milk, ice-cream, etc., were submitted for examination and the results are given in the appropriate sections of this report.

### WELFARE OF THE AGED

The responsibility for the care of the aged in their own homes belongs to the Lancashire County Council as the Health Authority for the Borough. Under the Divisional scheme the specially appointed Welfare Organiser co-operates with representatives and officers of all statutory and voluntary bodies and organisations concerned with this aspect of public health.



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Hospitals in the Burnley district available to Nelson residents are as follows:-

Reedyford Memorial Hospital, Nelson  
 Grove House Recovery Home, Barrowford  
 Hartley Hospital, Colne  
 Bank Hall Hospital, Burnley  
 Edith Watson Maternity Unit, General Hospital, Burnley  
 General Hospital, Burnley  
 Marsden Hospital, Burnley  
 Victoria Hospital, Burnley

Patients suffering from infectious diseases are, when necessary, admitted to Marsden Hospital, Burnley.

### VENEREAL DISEASES CLINICS

This service is also provided by the Burnley and District Hospital Management Committee and separate clinics are held twice a week, for both male and female patients, at the Victoria Hospital, Burnley.

### LABORATORY FACILITIES

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As a supplement to the County Council services your Council also provides a Welfare Service for the aged. This is financed by the Mayor's Welfare Fund and subscriptions from employers and voluntary organizations.

At the end of the year eleven full-time welfare workers were employed. By arrangement with the Barrowford Urban District Council one of these works in their area. During the year more than 47,000 visits were made in the performance of their duties, approximately 5,000 of which were in Barrowford. These include the visiting of the aged in their own homes and giving assistance by helping with such things as shopping, collecting pensions, lighting fires and making drinks, etc.

The Meals on Wheels Service was inaugurated in 1966. The meals are prepared by a firm of caterers, who also operate a local factory canteen, and are transported to the homes of recipients in the special vehicle for this purpose which was donated jointly by the Nelson Round Table and the Nelson Ladies' Circle.

Thirty-one meals are distributed each day on Tuesdays, Wednesdays and Fridays by the Mayor's Welfare Section in co-operation with the local branch of the Women's Royal Voluntary Services, assisted on occasions by senior pupils from two of the local Secondary Modern Schools. There is quite a demand for this much appreciated service.

Furthermore, the Luncheon Club for the aged continues to be held in the Civic Theatre, Stanley Street, Nelson, on Thursdays, an average of 85 persons being catered for. These meals are supplied by another firm of caterers who also operate a local factory canteen.

There are six Social Clubs for Aged Persons in the Borough, five of which are provided by your Council, and these have a total membership of over 2,500.

#### NATIONAL ASSISTANCE ACTS, 1948 AND 1951 (SECTION 47)

No applications for orders for the removal to suitable premises of persons in need of care and attention were made during the year.

#### TUBERCULOSIS SERVICE

The Chest Clinic for the area is situate at the Marsden Hospital, Burnley, to which known, and suspected, cases of tuberculosis are referred by medical practitioners. Patients are also visited in their own homes by Health Visitors employed by the Lancashire County Council Health Division No.6. These Health Visitors work in co-operation with the Chest Clinic and advise on the care and after-care of patients.

#### NATIONAL ASSISTANCE ACT, 1948 (SECTION 50)

It is the duty of the Local Authority to arrange for the burial of the body of a person who has died or been found dead in their area where it appears that no suitable arrangements for the disposal of the body are being made.

One such case was dealt with during the year.

OTHER SERVICES

The Borough of Nelson forms part of the Lancashire County Council Health Division No.6 and the following is a summary of the services provided by the County Council and administered from the Divisional Health Office, Cakleigh, Reedley, Nr. Burnley.

- Ambulance Service
- Care of Mothers and Young Children
  - Ante-natal Clinics
  - Child Health Clinics
  - Day Nurseries
  - Nurseries and Child Minders Regulations
  - Problem Families
  - Relaxation Classes
  - Unmarried Mothers
- Health Visiting
- Home Nursing
- Immunisation and Vaccination
  - Measles, Diphtheria, Whooping Cough, Tetanus, Poliomylitis, Smallpox and Tuberculosis
- Medical Examinations
- Mental Health
  - Mental Illness and Subnormality
  - Training Centres
  - Hostels
- Midwifery Service
- Prevention of Illness - Care and After-Care
  - Cervical Cytology
  - Chiropody
  - Convalescence
  - Health Education
  - Laundry Service
  - Loan of Nursing Equipment
  - Home Help Service
  - Night and Evening Help Service
  - Tuberculosis
- Welfare Services for the Aged
  - Homes for the Aged
  - Registration of Private Homes
  - Residential Accommodation
  - Short-stay Accommodation
- Welfare Service for Handicapped Persons
  - Blind and Partially Sighted
  - Deaf and Dumb
  - Physically Handicapped (General Classes)
  - Social Centres

Information regarding these services are given in my report as Divisional Medical Officer.



The total of 224 notifications received was a marked increase, being almost four times the number received during the previous year and the most in any year since 1935, which had a total of 487. The increase was in the number of cases of scarlet fever which gave a local incidence rate of 3.55 per 1,000 population compared with a national incidence rate of 0.273 per 1,000 population. Most of these occurred during the months of May, June and July.

There was also an increase of 3 in the number of notifications of tuberculosis, giving a total of 29 cases (respiratory 16 males and 3 females, non-respiratory 4 males and 3 females), the most in any year since 1935 when there were 15 notifications. Most of these were, 22 (respiratory 16 and non-respiratory 6), were Commonwealth immigrants. The incidence rate for this disease was 0.94 per 1,000 population (respiratory 0.62 and non-respiratory 0.32) compared with a national rate, that is for England and Wales as a whole, of 0.244 per 1,000 population (respiratory 0.194 and non-respiratory 0.050). One death occurred from ordinary tuberculosis and this was an un-notified case, also a Commonwealth immigrant.

Altogether 31 new patients were added to the register of tuberculous persons during 1950, the 29 new notifications and 2 transferred from other areas. There were 7 names deleted, 4 of patients who had recovered, another 2 who had left the District and 1 who died from a cause other than tuberculosis.

### SECTION C

Food Poisoning was notified once. An outbreak of 3 cases caused by a grandmother with food poisoning symptoms going to live temporarily with her married daughter and family. The grandmother was later admitted to hospital and the diagnosis confirmed (Salmonella typhimurium) but a grandchild and the child of a neighbour had also become infected. The diagnosis was confirmed in both cases. The grandmother was later admitted to hospital and the diagnosis confirmed (Salmonella typhimurium) but a grandchild and the child of a neighbour had also become infected. The diagnosis was confirmed in both cases.

## PREVALENCE OF, AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

### HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley, when required, for all infectious diseases with the exception of smallpox. If on occasions, accommodation there is not available, arrangements are then made through the Red Cross for admission of the patient to an isolation hospital under the control of a neighbouring Hospital Management Committee.

### MEDICAL OPINION ACT, 1935 - SECTION 22

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

### DISINFECTION AFTER INFECTIOUS DISEASE

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of smallpox and some cases of tuberculosis. Experience has shown that cleaning with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out if specially requested. There were no such requests during the year.

SECTION C

PREVALENCE OF AND CONTROL OVER  
INFECTIOUS AND OTHER DISEASES

## INFECTIOUS AND OTHER NOTIFIABLE DISEASES

The total of 224 notifications received was a marked increase, being almost four times the number received during the previous year and the most in any year since 1966, which had a total of 487. The increase was in the number of cases of measles notified which gave a case incidence rate of 5.68 per 1,000 population compared with a national incidence rate of 6.273 per 1,000 population. Most of these occurred during the months of May, June and July.

There was also an increase of 5 in the number of notifications of tuberculosis, giving a total of 29 cases (respiratory: 16 males and 3 females, non-respiratory: 4 males and 6 females), the most in any year since 1958 when there were 34 notifications. Most of these cases, 22 (respiratory 16 and non-respiratory 6), were Commonwealth Immigrants. The incidence rate for this disease was 0.94 per 1,000 population (respiratory 0.62 and non-respiratory 0.32) compared with a national rate, that is for England and Wales as a whole, of 0.244 per 1,000 population (respiratory 0.194 and non-respiratory 0.050). One death occurred from military tuberculosis and this was an un-notified case, also a Commonwealth Immigrant.

Altogether 31 new patients were added to the register of tuberculosis persons during 1970, the 29 new notifications and 2 transfers from other areas. There were 7 names deleted, 4 of patients who had recovered, another 2 who had left the district and 1 who died from a cause other than tuberculosis.

Food Poisoning was notified on five occasions. An outbreak of 3 cases caused by a grandparent with food poisoning symptoms going to live temporarily with her married daughter and family. The grandparent was later admitted to hospital and the diagnosis confirmed (*Salmonella typhi-murium*) but a grandchild and the child of a neighbour had also become infected. The diagnosis was also confirmed in each of these cases. Two other isolated cases did occur, one a *salmonella typhi-murium* infection and the other a *salmonella-enteritidis*, the latter became infected whilst on holiday and was admitted to hospital on return. In none of these cases was the vehicle of infection ascertainable.

## HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley, when required, for all infectious diseases with the exception of smallpox. If on occasions, accommodation thereat is not available, arrangements are then made through the Bed Bureau for admission of the patient to an isolation hospital under the control of a neighbouring Hospital Management Committee.

## PUBLIC HEALTH ACT, 1936 - SECTION 172

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

## DISINFECTION AFTER INFECTIOUS DISEASES

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of smallpox and some cases of tuberculosis. Experience has shown that cleansing with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out if specially requested. There were no such requests during the year.

Scabies is not a notifiable disease, but occasionally cases are discovered through the school medical service and referred to this Department for treatment. This is carried out on our behalf by the County Borough of Burnley on a payment basis, as and when required. The steam disinfection of personal clothing and bedding, etc., forms part of the treatment.

The following Tables give detailed information relative to:-

#### INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Cases notified during 1970.

Comparison of 1970 figures with previous five years and average.

Monthly Incidence of Notified Cases during 1970.

Comparison of Case Rates for Nelson and National Rates during 1970.

Tuberculosis - Analysis of New Cases and Deaths during 1970 according to Age Group and Sex.

Tuberculosis - Particulars of New Cases and Deaths annually over period of 30 years.

Tuberculosis - Number of Cases on Register during 1970.

#### HOSPITAL ADMISSIONS FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Burnley Hospital, Burnley, when requested, for all infectious diseases with the exception of measles. In an occasional, non-notifiable disease, arrangements are made through the local health authority for admission of the patient to an infectious hospital under the control of a neighbouring Hospital Management Committee.

#### PUBLIC HEALTH ACT, 1968 - SECTION 171

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

#### DISTINCTION AFTER INFECTIOUS DISEASE

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of measles and whooping cough. Experience has shown that disinfecting with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out at specially requested. There were no such requests during the year.

| Notifiable Diseases           | Total Cases | Age Period - Years |           |           |           |           |           |          |          |             |          |          |          |
|-------------------------------|-------------|--------------------|-----------|-----------|-----------|-----------|-----------|----------|----------|-------------|----------|----------|----------|
|                               |             | 0-                 | 1-        | 2-        | 3-        | 4-        | 5-        | 10-      | 15-      | 25 and over |          |          |          |
| Measles (excluding rubella)   | 175         | 9                  | 15        | 22        | 24        | 18        | 84        | 2        | 1        | -           |          |          |          |
| Dysentery .. .. .             | 1           | -                  | -         | -         | -         | -         | -         | -        | -        | 1           |          |          |          |
| Scarlet Fever .. .. .         | 3           | -                  | -         | -         | -         | -         | 3         | -        | -        | -           |          |          |          |
| Diphtheria .. .. .            | -           | -                  | -         | -         | -         | -         | -         | -        | -        | -           |          |          |          |
| Acute meningitis .. .. .      | 2           | 1                  | 1         | -         | -         | -         | -         | -        | -        | -           |          |          |          |
| Acute poliomyelitis -         |             |                    |           |           |           |           |           |          |          |             |          |          |          |
| Paralytic .. .. .             | -           | -                  | -         | -         | -         | -         | -         | -        | -        | -           |          |          |          |
| Non-paralytic .. .. .         | -           | -                  | -         | -         | -         | -         | -         | -        | -        | -           |          |          |          |
| <b>Totals</b>                 | <b>181</b>  | <b>10</b>          | <b>16</b> | <b>22</b> | <b>24</b> | <b>18</b> | <b>87</b> | <b>2</b> | <b>1</b> | <b>1</b>    |          |          |          |
|                               |             | 0-                 |           | 5-        |           | 15-       |           | 45-      |          | 65 and over |          |          |          |
| Acute encephalitis -          |             |                    |           |           |           |           |           |          |          |             |          |          |          |
| Infective .. .. .             | -           | -                  |           | -         |           | -         |           | -        |          | -           |          |          |          |
| Post-infectious .. .. .       | -           | -                  |           | -         |           | -         |           | -        |          | -           |          |          |          |
| Leptospirosis .. .. .         | -           | -                  |           | -         |           | -         |           | -        |          | -           |          |          |          |
| Paratyphoid Fever .. .. .     | -           | -                  |           | -         |           | -         |           | -        |          | -           |          |          |          |
| Typhoid Fever .. .. .         | -           | -                  |           | -         |           | -         |           | -        |          | -           |          |          |          |
| Food Poisoning .. .. .        | 5           | -                  |           | 2         |           | 2         |           | 1        |          | -           |          |          |          |
| <b>Totals</b>                 | <b>5</b>    | <b>-</b>           |           | <b>2</b>  |           | <b>2</b>  |           | <b>1</b> |          | <b>-</b>    |          |          |          |
|                               |             | 0-                 | 1-        | 2-        | 5-        | 10-       | 15-       | 20-      | 25-      | 35-         | 45-      | 55-      | 65-      |
| Tetanus .. .. .               | -           | -                  | -         | -         | -         | -         | -         | -        | -        | -           | -        | -        | -        |
| Infective jaundice .. .. .    | 1           | -                  | -         | -         | -         | 1         | -         | -        | -        | -           | -        | -        | -        |
| Tuberculosis -                |             |                    |           |           |           |           |           |          |          |             |          |          |          |
| Respiratory .. .. .           | 19          | -                  | -         | -         | -         | 5         | 5         | -        | 2        | 2           | 2        | -        | 3        |
| Meninges and C.N.S. .. .. .   | -           | -                  | -         | -         | -         | -         | -         | -        | -        | -           | -        | -        | -        |
| Other .. .. .                 | 10          | -                  | -         | -         | -         | 1         | 1         | -        | 2        | 3           | 1        | -        | 2        |
| Whooping Cough .. .. .        | 8           | -                  | -         | 5         | 2         | 1         | -         | -        | -        | -           | -        | -        | -        |
| <b>Totals</b>                 | <b>38</b>   | <b>-</b>           | <b>-</b>  | <b>5</b>  | <b>2</b>  | <b>8</b>  | <b>6</b>  | <b>-</b> | <b>4</b> | <b>5</b>    | <b>3</b> | <b>-</b> | <b>5</b> |
| Smallpox .. .. .              | -           |                    |           |           |           |           |           |          |          |             |          |          |          |
| Ophthalmia neonatorum .. .. . | -           |                    |           |           |           |           |           |          |          |             |          |          |          |
| Anthrax .. .. .               | -           |                    |           |           |           |           |           |          |          |             |          |          |          |
| Yellow Fever .. .. .          | -           |                    |           |           |           |           |           |          |          |             |          |          |          |
| Malaria .. .. .               | -           |                    |           |           |           |           |           |          |          |             |          |          |          |
| <b>Grand Total</b>            | <b>224</b>  |                    |           |           |           |           |           |          |          |             |          |          |          |

## INFECTIOUS AND OTHER NOTIFIABLE DISEASES - NOTIFICATIONS

Comparison of 1970 figures with those of the previous 5 years and average

| Notifiable Diseases         | Notifications received during |      |      |      |      | Total for 5 yrs | Average number per year | Notifications 1970 |
|-----------------------------|-------------------------------|------|------|------|------|-----------------|-------------------------|--------------------|
|                             | 1965                          | 1966 | 1967 | 1968 | 1969 |                 |                         |                    |
| Measles (excluding Rubella) | 94                            | 462  | 12   | 119  | 33   | 720             | 144.0                   | 175                |
| Dysentery                   | 5                             | 1    | 10   | -    | 1    | 17              | 3.4                     | 1                  |
| Scarlet Fever               | 1                             | 9    | -    | 5    | 1    | 16              | 3.2                     | 3                  |
| Diphtheria                  | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Meningococcal Infection (a) | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Acute Meningitis            | -                             | -    | -    | -    | -    | -               | -                       | 2                  |
| Acute Poliomyelitis -       |                               |      |      |      |      |                 |                         |                    |
| Paralytic                   | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Non-paralytic               | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Acute Encephalitis -        |                               |      |      |      |      |                 |                         |                    |
| Infective                   | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Post Infectious             | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Acute Pneumonia (a)         | 3                             | 1    | -    | 1    | -    | 5               | 1.0                     | -                  |
| Leptospirosis               | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Paratyphoid Fever           | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Typhoid Fever               | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Food Poisoning              | -                             | 4    | 1    | 3    | 2    | 10              | 2.0                     | 5                  |
| Erysipelas (a)              | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Puerperal Pyrexia (a)       | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Tetanus                     | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Infective Jaundice          | -                             | -    | -    | -    | -    | -               | -                       | 1                  |
| Tuberculosis -              |                               |      |      |      |      |                 |                         |                    |
| Respiratory                 | 5                             | 6    | 7    | 8    | 14   | 40              | 8.0                     | 19                 |
| Meninges & C.N.S.           | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Other                       | 6                             | 3    | 6    | 4    | 10   | 29              | 5.8                     | 10                 |
| Whooping Cough              | 8                             | -    | 21   | 3    | -    | 32              | 6.4                     | 8                  |
| Ophthalmia Neonatorum       | -                             | 1    | -    | -    | -    | 1               | 0.2                     | -                  |
| Smallpox                    | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Anthrax                     | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Yellow Fever                | -                             | -    | -    | -    | -    | -               | -                       | -                  |
| Malaria                     | -                             | -    | -    | -    | 1    | 1               | 0.2                     | -                  |
| Totals                      | 122                           | 487  | 57   | 143  | 62   | 871             | 174.2                   | 224                |

(a) Not notifiable from 1st October, 1968

## INFECTIOUS AND OTHER NOTIFIABLE DISEASES

## MONTHLY INCIDENCE OF NOTIFIED CASES DURING 1970

| Notifiable Diseases         | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec | Total |
|-----------------------------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| Measles (excluding Rubella) | -   | -   | 4   | 5   | 46  | 76   | 36   | 4   | 1   | -   | 2   | 1   | 175   |
| Dysentery                   | -   | -   | -   | -   | -   | 1    | -    | -   | -   | -   | -   | -   | 1     |
| Scarlet Fever               | 1   | 1   | -   | -   | 1   | -    | -    | -   | -   | -   | -   | -   | 3     |
| Diphtheria                  | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Acute Meningitis            | 2   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | 2     |
| Acute Poliomyelitis -       |     |     |     |     |     |      |      |     |     |     |     |     |       |
| Paralytic                   | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Non-paralytic               | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Acute Encephalitis -        |     |     |     |     |     |      |      |     |     |     |     |     |       |
| Infective                   | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Post-Infectious             | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Leptospirosis               | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Paratyphoid Fever           | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Typhoid Fever               | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Food Poisoning              | -   | -   | -   | -   | -   | -    | 2    | 3   | -   | -   | -   | -   | 5     |
| Tetanus                     | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Infective Jaundice          | -   | -   | -   | 1   | -   | -    | -    | -   | -   | -   | -   | -   | 1     |
| Tuberculosis -              |     |     |     |     |     |      |      |     |     |     |     |     |       |
| Respiratory                 | -   | 1   | 3   | 2   | 1   | 4    | 3    | 1   | -   | -   | 1   | 3   | 19    |
| Meninges & C.N.S.           | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Other                       | -   | 1   | -   | 2   | -   | -    | 1    | 1   | 1   | 2   | 1   | 1   | 10    |
| Whooping Cough              | -   | -   | -   | -   | -   | -    | -    | -   | 1   | -   | -   | 7   | 8     |
| Ophthalmia Neonatorum       | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Smallpox                    | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Anthrax                     | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Yellow Fever                | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Malaria                     | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -     |
| Totals                      | 3   | 3   | 7   | 10  | 48  | 81   | 42   | 9   | 3   | 2   | 4   | 12  | 224   |

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

COMPARISON OF CASE RATES FOR CERTAIN DISEASES NOTIFIED DURING

THE YEAR 1970

| Notifications<br>(Corrected) | (1)<br>England and Wales |                                      | (2)<br>Nelson           |                                      |
|------------------------------|--------------------------|--------------------------------------|-------------------------|--------------------------------------|
|                              | Number<br>of<br>notifs.  | Rate per<br>1,000 home<br>population | Number<br>of<br>notifs. | Rate per<br>1,000 home<br>population |
| Measles                      | 307,279                  | 6,273                                | 175                     | 5.68                                 |
| Dysentery                    | 10,767                   | 0.220                                | 1                       | 0.03                                 |
| Scarlet Fever                | 13,138                   | 0.268                                | 3                       | 0.10                                 |
| Whooping Cough               | 16,597                   | 0.339                                | 8                       | 0.26                                 |
| Infective Jaundice           | 21,563                   | 0.440                                | 1                       | 0.10                                 |
| Tuberculosis -               |                          |                                      |                         |                                      |
| Respiratory                  | 9,484                    | 0.194                                | 19                      | 0.62                                 |
| Meninges and C.N.S.          | 92                       | 0.002                                | -                       | -                                    |
| Other forms                  | 2,331                    | 0.048                                | 10                      | 0.32                                 |
| Diphtheria                   | 22                       | 0.000                                | -                       | -                                    |
| Tetanus                      | 22                       | 0.000                                | -                       | -                                    |
| Acute Meningitis             | 1,322                    | 0.027                                | 2                       | 0.06                                 |
| Acute Encephalitis -         |                          |                                      |                         |                                      |
| Infective                    | 114                      | 0.002                                | -                       | -                                    |
| Post Infectious              | 124                      | 0.003                                | -                       | -                                    |
| Ophthalmia Neonatorum        | 464                      | 0.009                                | -                       | -                                    |
| Acute Poliomyelitis -        |                          |                                      |                         |                                      |
| Paralytic                    | 6                        | 0.000                                | -                       | -                                    |
| Non-paralytic                | 1                        | 0.000                                | -                       | -                                    |
| Leptospirosis                | 14                       | 0.000                                | -                       | -                                    |
| Paratyphoid Fever            | 207                      | 0.004                                | -                       | -                                    |
| Typhoid Fever                | 156                      | 0.003                                | -                       | -                                    |
| Food Poisoning               | 7,566                    | 0.154                                | 5                       | 0.16                                 |
| Anthrax                      | 5                        | 0.000                                | -                       | -                                    |
| Smallpox                     | -                        | -                                    | -                       | -                                    |
| Plague                       | -                        | -                                    | -                       | -                                    |
| Cholera                      | -                        | -                                    | -                       | -                                    |
| Typhus Fever                 | -                        | -                                    | -                       | -                                    |
| Relapsing Fever              | -                        | -                                    | -                       | -                                    |
| Yellow Fever                 | -                        | -                                    | -                       | -                                    |

(1) Provisional figures based on Registrar General's Quarterly Returns

Estimated Home Population Mid-1970 (1) 48,987,700

(2) 30,800

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

ANALYSIS OF NEW CASES OF TUBERCULOSIS AND DEATHS FROM THE

DISEASE ACCORDING TO AGE GROUP AND SEX DURING 1970

| Age Periods    | New Cases   |    |                 |    | Deaths      |    |                 |    |
|----------------|-------------|----|-----------------|----|-------------|----|-----------------|----|
|                | Respiratory |    | Non-Respiratory |    | Respiratory |    | Non-Respiratory |    |
|                | M.          | F. | M.              | F. | M.          | F. | M.              | F. |
| Under 1 year   | -           | -  | -               | -  | -           | -  | -               | -  |
| 1 year         | -           | -  | -               | -  | -           | -  | -               | -  |
| 2 to 4 years   | -           | -  | -               | -  | -           | -  | -               | -  |
| 5 to 9 years   | -           | -  | -               | -  | -           | -  | -               | -  |
| 10 to 14 years | 5           | -  | 1               | -  | -           | -  | -               | -  |
| 15 to 19 years | 4           | 1  | 1               | -  | -           | -  | -               | -  |
| 20 to 24 years | -           | -  | -               | -  | -           | -  | -               | -  |
| 25 to 34 years | 2           | -  | -               | 2  | -           | -  | -               | -  |
| 35 to 44 years | 1           | 1  | -               | 3  | -           | -  | -               | -  |
| 45 to 54 years | 2           | -  | 1               | -  | -           | -  | -               | 1  |
| 55 to 64 years | -           | -  | -               | -  | -           | -  | -               | -  |
| 65 to 74 years | -           | 1  | 1               | -  | -           | -  | -               | -  |
| 75 and upwards | 2           | -  | -               | 1  | -           | -  | -               | -  |
| Totals         | 16          | 3  | 4               | 6  | -           | -  | -               | 1  |
|                | 19          |    | 10              |    | -           |    | 1               |    |

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

TUBERCULOSIS

PARTICULARS OF NEW CASES AND DEATHS OVER PERIOD OF 30 YEARS

1. NEW CASES

| Year | <u>Respiratory</u> |               | <u>Non-respiratory</u> |               | Total | <u>Rate per<br/>1,000<br/>Population</u> |
|------|--------------------|---------------|------------------------|---------------|-------|------------------------------------------|
|      | <u>Male</u>        | <u>Female</u> | <u>Male</u>            | <u>Female</u> |       |                                          |
| 1970 | 16                 | 3             | 4                      | 6             | 29    | 0.94                                     |
| 1969 | 7                  | 7             | 3                      | 7             | 24    | 0.77                                     |
| 1968 | 2                  | 6             | 1                      | 3             | 12    | 0.39                                     |
| 1967 | 5                  | 2             | 5                      | 1             | 13    | 0.42                                     |
| 1966 | 5                  | 1             | 1                      | 2             | 9     | 0.29                                     |
| 1965 | 5                  | -             | 5                      | 1             | 11    | 0.35                                     |
| 1964 | 11                 | -             | 2                      | 2             | 15    | 0.47                                     |
| 1963 | 2                  | 1             | 2                      | -             | 5     | 0.16                                     |
| 1962 | 12                 | 9             | 3                      | -             | 24    | 0.75                                     |
| 1961 | 3                  | 3             | 2                      | 1             | 9     | 0.28                                     |
| 1960 | 7                  | 7             | 3                      | -             | 17    | 0.54                                     |
| 1959 | 10                 | 5             | 3                      | 1             | 19    | 0.59                                     |
| 1958 | 17                 | 15            | -                      | 2             | 34    | 1.06                                     |
| 1957 | 9                  | 5             | 1                      | 1             | 16    | 0.49                                     |
| 1956 | 10                 | 10            | -                      | 2             | 22    | 0.67                                     |
| 1955 | 14                 | 10            | 1                      | 1             | 26    | 0.78                                     |
| 1954 | 12                 | 13            | 1                      | 3             | 29    | 0.86                                     |
| 1953 | 7                  | 16            | 3                      | 1             | 27    | 0.80                                     |
| 1952 | 12                 | 12            | 5                      | 2             | 31    | 0.91                                     |
| 1951 | 14                 | 8             | 6                      | 7             | 35    | 1.02                                     |
| 1950 | 13                 | 4             | 6                      | 7             | 30    | 0.86                                     |
| 1949 | 24                 | 15            | 4                      | 9             | 52    | 1.50                                     |
| 1948 | 22                 | 10            | 4                      | 7             | 43    | 1.24                                     |
| 1947 | 12                 | 9             | 2                      | 4             | 27    | 0.79                                     |
| 1946 | 25                 | 6             | 3                      | 9             | 43    | 1.31                                     |
| 1945 | 16                 | 9             | 4                      | 10            | 39    | 1.25                                     |
| 1944 | 18                 | 9             | 3                      | 11            | 41    | 1.30                                     |
| 1943 | 19                 | 5             | 11                     | 7             | 42    | 1.32                                     |
| 1942 | 20                 | 8             | 6                      | 9             | 43    | 1.31                                     |
| 1941 | 15                 | 11            | 10                     | 2             | 38    | 1.10                                     |

2. DEATHS

|      |    |   |   |   |    |      |
|------|----|---|---|---|----|------|
| 1970 | -  | - | - | 1 | 1  | 0.03 |
| 1969 | 1  | - | - | - | 1  | 0.03 |
| 1968 | -  | - | - | - | -  | -    |
| 1967 | -  | - | - | - | -  | -    |
| 1966 | 2  | - | - | - | 2  | 0.06 |
| 1965 | 1  | - | - | - | 1  | 0.03 |
| 1964 | 1  | - | - | - | 1  | 0.03 |
| 1963 | 1  | - | - | - | 1  | 0.03 |
| 1962 | -  | - | - | - | -  | -    |
| 1961 | 1  | - | - | - | 1  | 0.03 |
| 1960 | 1  | 1 | - | - | 2  | 0.06 |
| 1959 | 1  | - | 1 | - | 2  | 0.06 |
| 1958 | 1  | - | - | - | 1  | 0.03 |
| 1957 | 3  | 1 | 1 | - | 5  | 0.15 |
| 1956 | 4  | 3 | - | - | 7  | 0.21 |
| 1955 | 2  | 1 | - | - | 3  | 0.09 |
| 1954 | -  | 2 | 1 | - | 3  | 0.09 |
| 1953 | 5  | 1 | 1 | - | 7  | 0.21 |
| 1952 | 9  | 2 | - | - | 11 | 0.32 |
| 1951 | 4  | 2 | 1 | 1 | 8  | 0.23 |
| 1950 | 5  | 8 | - | - | 13 | 0.37 |
| 1949 | 12 | 5 | 2 | 2 | 21 | 0.60 |
| 1948 | 11 | 8 | 2 | 2 | 23 | 0.66 |
| 1947 | 3  | 4 | - | - | 7  | 0.21 |
| 1946 | 9  | 3 | 2 | 1 | 15 | 0.45 |
| 1945 | 10 | 3 | - | 3 | 16 | 0.50 |
| 1944 | 14 | 3 | 1 | 1 | 19 | 0.60 |
| 1943 | 7  | 5 | 5 | 1 | 18 | 0.57 |
| 1942 | 6  | 4 | 1 | 3 | 14 | 0.43 |
| 1941 | 9  | 9 | 3 | - | 21 | 0.62 |

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

TUBERCULOSIS

NUMBER OF CASES ON TUBERCULOSIS REGISTER DURING 1970

|                                                            | Pulmonary |    |       | Non-Pulmonary |    |       | Total |    |       |
|------------------------------------------------------------|-----------|----|-------|---------------|----|-------|-------|----|-------|
|                                                            | M.        | F. | Total | M.            | F. | Total | M.    | F. | Total |
| <u>Number of cases on register at commencement of year</u> | 49        | 37 | 86    | 23            | 17 | 40    | 72    | 54 | 126   |
| <u>Number of cases added to register during the year:-</u> |           |    |       |               |    |       |       |    |       |
| (a) New Cases                                              | 16        | 3  | 19    | 4             | 6  | 10    | 20    | 9  | 29    |
| (b) Inward transfers from other districts                  | 2         | -  | 2     | -             | -  | -     | 2     | -  | 2     |
| (c) Other                                                  | -         | -  | -     | -             | -  | -     | -     | -  | -     |
| <u>Total Cases</u>                                         | 67        | 40 | 107   | 27            | 23 | 50    | 94    | 63 | 157   |
| <u>Number of cases removed from register during year:-</u> |           |    |       |               |    |       |       |    |       |
| (a) Died                                                   | 1         | -  | 1     | -             | -  | -     | 1     | -  | 1     |
| (b) Recovered                                              | 1         | 1  | 2     | 2             | -  | 2     | 3     | 1  | 4     |
| (c) Left District                                          | -         | 1  | 1     | 1             | -  | 1     | 1     | 1  | 2     |
| <u>Total deletions</u>                                     | 2         | 2  | 4     | 3             | -  | 3     | 5     | 2  | 7     |
| <u>Number of cases on register at end of year</u>          | 65        | 38 | 103   | 24            | 23 | 47    | 89    | 61 | 150   |



Mr. Chairman, Ladies and Gentlemen,

59.

I have pleasure in submitting my annual report on the environmental services provided by this Department.

#### HOUSING

The acceptance by the Health Committee of a program of a Clearance Area was implemented by the Official Sanitation Code for properties on the Grove Street and Southfield Street Clearance Area. It is intended that these areas of low standard dwellings be cleared and redeveloped for housing purposes. A programed scheme work as this gives the public confidence to buy properties, knowing that they will not be affected by clearance programmes in the near future.

#### POISON CONTROL

Warfarin resistance amongst mice continues to be a problem. The use of alternative poisons is limited, but some active research was achieved by using Alphachloralose in a variety of baits. The closure of bait boxes refuse tips will result that regular baiting for vermin against rats will be required. These were carried out until all vermin were removed and one gained satisfaction from the success of the treatments when collecting the remaining bodies. There is as yet, no evidence to suggest that the resistance to anticoagulant poisons has built up in the rat population. However, more poisons were used throughout the year both in the sewers and on the refuse tips.

#### ACCUMULATIONS OF RUBBISH

#### ANNUAL REPORT

As in previous years there was a marked increase in the number of complaints relating to accumulations of rubbish in the form of surplus furniture or household refuse given to the street.

It was found that a few cases, when the refuse was given to the street, had been widely advertised.

A disturbing pattern which has developed over the year is the number of cases where the Public Health Inspector has been asked to visit dirty houses. Piles of household refuse have been seen inside these houses when the dustbin in the rear garden was seen empty. In the majority of these cases, the occupants of the houses are young active people and one can only assume that gross idleness is the root cause of the trouble. It is appalling that in this modern, affluent and civilized society, there should be any such cases at all.

#### UNSAFE PROPERTIES

Vacant houses which are rapidly subjected to vandalism to the point of becoming derelict were again a problem. In some cases the owners of the properties have left the neighbourhood and tracing the new address is often difficult. It would appear that, in order to preserve the adjacent houses, action should be taken under Section 27 of the Public Health Act, 1961, to secure the closure of the door and stable openings. At this point I will conclude my comments.

I am grateful for the backing given by the Chairman and Members of the Health Committee and the goodwill of other Chief Officers, to whom I offer my thanks.

I have the honour to be, Ladies and Gentlemen,

Your obedient servant,

P. HENNING

Senior Public Health Inspector.

ANNUAL REPORT  
OF THE  
SENATOR PUBLIC RELATIONS INSPECTOR  
FOR THE YEAR ENDED  
31st DECEMBER, 1970

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the environmental services provided by this Department.

#### HOUSING

The acceptance by the Health Committee of a programme of 4 Clearance Areas was implemented by the Official Representation for 70 properties in the Grove Street and Southfield Street Clearance Area. It is intended that these areas of low standard dwellings be cleared and redeveloped for housing purposes. A programmed scheme such as this gives the public confidence to buy properties, knowing that they will not be affected by clearance programmes in the near future.

#### RODENT CONTROL

Warfarin resistance amongst mice continues to be a problem. The use of alternative poisons is limited, but reasonable success was achieved by using Alphachloralose in a variety of bases. The closure of two former refuse tips still meant that regular visits for treatment against rats were required. These were carried out until all activity ceased and one gained satisfaction from the success of the treatments when collecting the resultant bodies. There is as yet, no evidence to suggest that the resistance to anticoagulant poisons has built up in the rat population. However, acute poisons were used throughout the year both in the sewers and on the refuse tips.

#### ACCUMULATIONS OF RUBBISH

As in previous years there was an increase in the number of complaints relating to accumulations of rubbish, whether surplus furniture or household refuse. The most common sites for these deposits to appear are vacant sites and the rear yards of vacant houses. This is completely beyond comprehension that people should carry unwanted articles, in some cases a few miles, when the Council operate a free collection service which has been widely advertised.

A disturbing pattern which has developed over the year is the number of cases where the Public Health Inspector has been asked to visit dirty houses. Piles of household refuse have been seen inside these houses when the dustbin in the rear yards has been empty. In the majority of these cases, the occupants of the houses are young active people and one can only assume that gross idleness is the root cause of the trouble. It is appalling that in this modern, affluent and civilised society, there should be any such cases at all.

#### DERELICT PROPERTIES

Vacant houses which are rapidly subjected to vandalism to the point of becoming derelict were again a problem. In some cases the owners of the properties have left the neighbourhood and tracing the new address is often difficult. It would appear that, in order to preserve the adjacent houses, action should be taken under Section 27 of the Public Health Act, 1961, to secure the closure of the door and window openings. At this point I will conclude my comments.

I am grateful for the backing given by the Chairman and Members of the Health Committee and the goodwill of other Chief Officials, to whom I offer my thanks.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

F. GRINDROD

Senior Public Health Inspector.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the environmental services provided by this Department.

### HOUSING

The acceptance by the Health Committee of a programme of clearance was implemented by the Official Registration for 70 properties in the Grove Street and Southfield Street Clearance Area. It is intended that these areas of low standard dwellings be cleared and redeveloped for housing purposes. A programmed scheme such as this gives the public confidence in any programme, knowing that they will not be affected by clearance programmes in the near future.

### HOUSEHOLD WASTE

Wasteful resistance amongst waste collectors to be a problem. The use of alternative systems is limited, but reasonable success was achieved by using Alphachlorine in a variety of cases. The closure of the former refuse tips will mean that regular visits for treatment against rats were reduced. These were carried out until all activity ceased and was gained satisfaction from the success of the treatment when collecting the remaining refuse. There is as yet, no evidence to suggest that the resistance to anticoagulant poisons has built up in the rat population. However, since poisons were used throughout the year both in the streets and on the refuse tips.

### ACCUMULATIONS OF RUBBISH

As in previous years there was an increase in the number of complaints relating to accumulations of rubbish, whether surplus furniture or household refuse. The most common sites for these deposits in houses are yards, alleys and the rear yards of vacant houses. This is especially before completion that people should carry out their refuse, in some cases a few miles, when the Council operate a free collection service which has been widely advertised.

A disturbing pattern which has developed over the year is the number of cases where the Public Health Inspector has been asked to visit dirty houses. Piles of household refuse have been found inside houses where the rubbish in the rear yards has been empty. In the majority of these cases, the occupants of the houses are young active people and one can only assume that gross ignorance is the root cause of the trouble. It is appalling that in this modern, affluent and civilized society, there should be any such cases at all.

### DERELICT PROPERTIES

Vacant houses which are rapidly subjected to vandalism to the point of becoming derelict were again a problem. In some cases the owners of the properties have left the neighbourhood and tracing the new address is often difficult. It would appear that, in order to preserve the adjacent houses, action should be taken under Section 57 of the Public Health Act, 1961, to secure the closure of the door and window openings. At this point I will conclude my comments.

I am grateful for the backing given by the Chairman and Members of the Health Committee and the goodwill of other City Councillors, to whom I offer my thanks.

I have the honour to be, Ladies and Gentlemen,

Yours obedient servant,

F. BRIDGES

Senior Public Health Inspector.

The Barrow Coldwater Board, constituted in 1945, is the water undertaking for the Borough. Under normal conditions the area supplied is comprised of the Boroughs of Helms and Helms, the Urban Districts of Barrowford, Brierfield and Thwaites, and the eastern part of Burnley Rural District.

The gathering grounds extend to 3,350 acres and are situated on the moorland hills of Pendle and Bowland to the north and west of the area supplied. There are five storage reservoirs having a total capacity of 450.5 m. gallons, three compensation reservoirs with a capacity of 100 m. gallons, and two service reservoirs with a capacity of 10 m. gallons. Other sources of supply include springs and two boreholes, having a potential yield of 1,500,000 gallons per day.

All raw water is filtered and chlorinated before going into supply. The area of supply is divided into suitable zones according to locality and altitude to utilize available head from service reservoirs. Pressures are increased in these areas outside the Borough by the installation of pumping stations.

During the year water was supplied to an estimated population of 67,000 and was very satisfactory in both quality and quantity. Twenty-six samples of raw water were submitted for bacteriological examination and reported satisfactory. Two samples of raw water were submitted for chemical analysis and reported satisfactory. One hundred and twenty-two samples of treated water were submitted for bacteriological examination when four samples gave an unsatisfactory result. All the 12 samples of treated water submitted for chemical analysis were satisfactory. There is no tendency to phosphorus and the chloride content of the supply varies from 0.05 to 0.10 p.p.m. according to source.

#### SECTION D

Rain water is supplied to all but 75 houses within the Borough. These houses are situated in the rural parts of the district remote from a main supply.

#### SANITARY CIRCUMSTANCES OF THE AREA

Yards of new houses were built. Extension of water mains to existing dwellings totalled a further 150 yards and water extensions to industrial development totalled 60 yards. The replacement of joint service pipes continued, when 75 houses were re-serviced. This necessary feature of providing an adequate supply of water to dwellings will continue for many years as joint service pipes become incapable of carrying an adequate volume of water.

#### SEWERAGE AND SEWAGE

The whole of the urban part of the Borough is drained and sewered, the exception being isolated properties in the rural areas remote from the sewerage system. The Sewage Works at Lindred, just outside the Borough boundary, is under the control of the Borough Engineer and Surveyor. The estimated average per head of population per day is 3-4 gallons, with a daily dry weather flow of 1.75 m. gallons.

The treatment of sewage consists of screening, settlement in detritus tanks, sedimentation tanks, percolating filters, and sewage sludge. In dry weather, re-circulation of part of the final effluent is provided. Storm water is discharged into Pendle Water after passing through settlement tanks. The final effluent from the process passes either into Pendle Water or, by agreement with the Central Electricity Authority, may be pumped up to the Leeds and Liverpool Canal to serve as compensation water to replace that withdrawn from the Canal at Farnworth Electricity Generating Station. The bulk of the liquid sludge is pumped up to surrounding agricultural land. During the summer months, sludge is stored in digester tanks, and later made available for horticultural and agricultural purposes.

SECTION 2

SANITARY DISSEMINATION OF THE AREA

### WATER SUPPLY

The North Calder Water Board, constituted in 1960, is the water undertaking for the Borough. Under normal conditions the area supplied is comprised of the Boroughs of Nelson and Colne, the Urban Districts of Barrowford, Brierfield and Trawden, and the eastern part of Burnley Rural District.

The gathering grounds extend to 5,000 acres and are situated on the moorland hills of Pendle and Boulsworth on either side of the area supplied. There are five storage reservoirs having a total capacity of 410.3 m. gallons, three compensation reservoirs with a capacity of 131 m. gallons, and six service reservoirs with a capacity of 13 m. gallons. Other sources of supply include springs and two boreholes, having a potential yield of 1,650,000 gallons per day.

All raw water is filtered and chlorinated before going into supply. The area of supply is divided into suitable zones according to locality and altitude to utilise available head from service reservoirs. Pressures are increased in three areas outside the Borough by the installation of pumping stations.

During the year water was supplied to an estimated population of 67,000 and has been satisfactory in both quality and quantity. Seventy-six samples of raw water were submitted for bacteriological examination and reported satisfactory. Two samples of raw water were submitted for chemical analyses and reported satisfactory. One hundred and twenty-two samples of treated water were submitted for bacteriological examination when four samples gave an unsatisfactory result. All the 13 samples of treated water submitted for chemical analyses were satisfactory. There is no tendency to plumbo-solvency. The natural fluoride content of the supply varies from 0.08 to 0.16 p.p.m. according to source.

Mains water is supplied to all but 23 houses within the Borough. These houses are situated in the rural parts of the district remote from a mains supply and make use of private supplies. Twenty-four new dwellings were connected to the mains supply during the year, when 294 yards of new mains were laid. Extensions of water mains to existing dwellings totalled a further 132 yards and mains extensions to industrial development totalled 60 yards. The replacement of joint service pipes continued, when 79 houses were re-serviced. This necessary feature of providing an adequate supply of water to dwellings will continue for many years as joint service pipes become incapable of carrying an adequate volume of water.

### DRAINAGE AND SEWERAGE

The whole of the urban part of the Borough is drained and sewered, the exception being isolated properties in the rural areas remote from the sewerage system. The Sewage Works at Lindred, just outside the Borough boundary, is under the control of the Borough Engineer and Surveyor. The estimated sewage per head of population per day is 54.6 gallons, with a daily dry weather flow of 1.75 m. gallons.

The treatment of sewage consists of screening, settlement in detritus tanks, sedimentation tanks, percolating filters, and humus tanks. In dry weather, re-circulation of part of the final effluent is practised. Storm water is discharged into Pendle Water after passing through settlement tanks. The final effluent from the process passes either into Pendle Water or, by agreement with the Central Electricity Authority, may be pumped up to the Leeds and Liverpool Canal to serve as compensation water to replace that withdrawn from the Canal at Huncoat Electricity Generating Station. The bulk of the liquid sludge is pumped on to surrounding agricultural land. During the summer months, sludge is stored in digestion tanks, and later made available for horticultural and agricultural purposes.

Nineteen new dwellings were connected to the sewerage system during the year, and one existing dwelling, in a rural part of the district, was newly connected to a septic tank installation.

#### RIVERS AND STREAMS

The Lancashire Rivers Board is the authority responsible for watercourses.

#### SANITARY ACCOMMODATION

|                                                |        |
|------------------------------------------------|--------|
| No. of privy middens .....                     | 3      |
| No. of closets attached to these middens ..... | 3      |
| No. of pail closets .....                      | 9      |
| No. of movable dustbins, etc .....             | 14,120 |
| No. of waste water closets .....               | 2,337  |
| No. of fresh water closets .....               | 10,933 |

Conversions during 1970:-

|                                                                                                 |     |
|-------------------------------------------------------------------------------------------------|-----|
| No. of privy closets to fresh water closets .....                                               | Nil |
| No. of privy closets to pails .....                                                             | Nil |
| No. of pail closets to fresh water closets .....                                                | 1   |
| No. of waste water closets to fresh water closets ..                                            | 141 |
| No. of premises at which movable dustbins, etc.<br>were substituted for fixed receptacles ..... | Nil |

The above figures relate to sanitary accommodation at all premises at the end of the year.

There were 12 dwellings not on the water carriage system.

#### PUBLIC CLEANSING

The Cleansing Department is a separate Department under the control of the Director of Cleansing and is responsible for the collection and disposal of trade and household refuse, the cleansing of streets, the cleansing of and repairs to drainage, and the maintenance of public conveniences. In addition, the cleansing department provide and maintain most of the Council's transport fleet, and have provided a Vehicle Testing Station approved by the Ministry of Transport. The Cleansing Department provide a drainage section to repair and cleanse defective drainage, and at the request of owners or occupiers, will relay and renew existing drainage in the conversion of waste water closets.

As far as circumstances permit the collection of household refuse is maintained at weekly intervals. It is well known that the nature of household refuse is changing and Nelson is no exception. The advent of the Smoke Control Programme with the increased tendency towards gas and electric appliances, together with the widespread packaging of consumer goods and food, have meant that greatly increased bulk of refuse is being collected although the tonnage is fairly stable. The time is approaching when the conventional standard of one dustbin per household will be obsolete.

Trade refuse is collected weekly and putrescible refuse is collected twice weekly, both collections being charged for. Traders may also deliver refuse direct to the tip, being charged 2/- per ton for this facility.

Although the Cleansing Department continue to remove unwanted household furniture and effects free of charge, the present-day disease of indiscriminate tipping on vacant land and in the rear yards of vacant houses remains as great a problem as ever. The remedy for this disease still eludes us in spite of increased publicity regarding the free services offered by the Cleansing Department. All requests for unwanted articles to be removed were complied with within three days.

All refuse was disposed of by controlled tipping at Waidshouse Quarry, together with the refuse from Burnley County Borough, Brierfield and Padiham Urban Districts and part of Burnley Rural District.

#### PUBLIC HEALTH INSPECTIONS

During the year 8,553 premises were visited for various reasons, the total number of visits made being 11,405. These figures show a 25% increase over those of the previous year, reflecting the increased mobility of staff following the use of private cars and the introduction of travelling allowances.

The number of defects discovered was, at 495, slightly less than the number found in 1969, as was the number remedied at 220. Informal Notices were served on 183 occasions and Statutory Notices were issued in respect of 177 cases. Of the Statutory Notices issued, 57 were issued in respect of blocked or leaking drainage, a condition which is increasing each year. No legal proceedings were instituted during the year.

The following table classifies the visits made to the various types of premises during the year.

|                                      | <u>INSPECTIONS</u> | <u>RE-INSPECTIONS</u> |
|--------------------------------------|--------------------|-----------------------|
| Animal boarding establishments ..... | 3                  | 2                     |
| Bakehouses .....                     | 14                 | -                     |
| Boiler plants inspected .....        | 5                  | -                     |
| Butchers' shops .....                | 19                 | 1                     |
| Closet conversion W.W.C./F.W.C. .... | 107                | 111                   |
| Closets, pail .....                  | 8                  | -                     |
| Closets, water .....                 | 17                 | 8                     |
| Closets, waste water .....           | 45                 | 40                    |
| Complaints received .....            | 607                | 742                   |
| Complaints confirmed .....           | 419                | 140                   |
| Drains inspected .....               | 2                  | 9                     |
| Drains smoke test .....              | 1                  | -                     |
| Drains olfactory test .....          | 2                  | 2                     |
| Drains colour test .....             | 236                | 248                   |
| Drains defective .....               | 193                | 298                   |
| Educational talks given .....        | -                  | 2                     |
| Fish frying establishments .....     | 4                  | 1                     |
| Food (preserved) manufacturers ..... | 11                 | 1                     |
| Food catering establishments .....   | 18                 | 4                     |
| Food shops and warehouses .....      | 41                 | 3                     |
| Factories - power .....              | 75                 | 14                    |
| Factories - non-power .....          | -                  | 2                     |
| Fishmongers' shops .....             | 1                  | 1                     |
| Hawkers' vans .....                  | 4                  | 2                     |
| Houses defective .....               | 86                 | 571                   |
| Houses detailed inspection .....     | 39                 | 76                    |
| Houses overcrowding .....            | 2                  | -                     |
| Ice-cream manufacturers .....        | -                  | 1                     |
| Ice-cream retailers .....            | 6                  | -                     |
| Infectious/notifiable diseases ..... | 8                  | 7                     |
| Insect infestations .....            | 68                 | 26                    |
| Interviews .....                     | 113                | 1                     |
| Markets .....                        | 18                 | -                     |
| Meat and food inspections .....      | 161                | -                     |
| Meat and food condemnations .....    | 157                | -                     |
| Meetings with owners .....           | 183                | 13                    |
| Meetings with contractors .....      | 69                 | 1                     |
| Miscellaneous .....                  | 306                | 72                    |
| Notices Served:                      |                    |                       |
| Verbal .....                         | 24                 | -                     |
| Informal .....                       | 159                | -                     |
| Statutory P.H.A. ....                | 122                | -                     |

|                                          | <u>INSPECTIONS</u> | <u>RE-INSPECTIONS</u> |
|------------------------------------------|--------------------|-----------------------|
| Offensive accumulations .....            | 42                 | 133                   |
| Offices, Shops and Railway Premises Act: |                    |                       |
| Offices                                  |                    |                       |
| Inspections .....                        | 1                  | 1                     |
| Visits .....                             | 8                  | 1                     |
| Retail Shops                             |                    |                       |
| Inspections .....                        | 2                  | -                     |
| Visits .....                             | 19                 | 3                     |
| Wholesale Shops and Warehouses           |                    |                       |
| Visits .....                             | 2                  | -                     |
| Catering Establishments and Canteens     |                    |                       |
| Inspections .....                        | 3                  | 1                     |
| Visits .....                             | 3                  | -                     |
| Outworkers .....                         | 2                  | -                     |
| Pet Stores .....                         | 1                  | 2                     |
| Public Houses .....                      | 2                  | 1                     |
| Rats and mice .....                      | 322                | 306                   |
| Refuse tip .....                         | 36                 | -                     |
| Samples submitted:                       |                    |                       |
| Ice-cream .....                          | 1                  | -                     |
| Milk .....                               | 84                 | -                     |
| Other foods .....                        | 1                  | -                     |
| Water, etc .....                         | 70                 | -                     |
| Slaughterhouses .....                    | 179                | -                     |
| Smoke Control Areas:                     |                    |                       |
| Inspections .....                        | 3,339              | 1                     |
| Visits .....                             | 822                | -                     |
| Interviews .....                         | 235                | 2                     |
| Smoke observations .....                 | 7                  | -                     |
| Watercourses .....                       | 1                  | -                     |
| Water supply .....                       | 18                 | 2                     |

#### OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Eight new registrations of premises under the above Act were received during the year, but 30 premises ceased, for various reasons, to be registrable. There was thus a net decrease of 22 premises subject to the provisions of the Act, making a total of 266 premises on the register at year end. The number of visits and inspections made during the year was 44.

#### REGISTRATIONS AND GENERAL INSPECTIONS

| Glass of premises                    | Number of premises registered during the year | Total number of registered premises at year end | Number of registered premises receiving a general inspection during the year |
|--------------------------------------|-----------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|
| Offices                              | 2                                             | 65                                              | 2                                                                            |
| Retail shops                         | 6                                             | 170                                             | 2                                                                            |
| Wholesale shops and warehouses       | -                                             | 16                                              | -                                                                            |
| Catering establishments and canteens | -                                             | 15                                              | 4                                                                            |
| Fuel storage depots                  | -                                             | -                                               | -                                                                            |
| Totals                               | 8                                             | 266                                             | 8                                                                            |

ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISESBY WORKPLACE

| Class of Workplace                   | Number of persons employed |
|--------------------------------------|----------------------------|
| Offices                              | 373                        |
| Retail shops                         | 812                        |
| Wholesale departments and warehouses | 182                        |
| Catering establishments              | 169                        |
| Fuel storage depots                  | -                          |
| Total                                | 1,536                      |
| Total Males                          | 628                        |
| Total Females                        | 908                        |

No applications for exemption from certain of the provisions of the Act were received during the year.

The following table shows the nature of the 89 defects found and the 52 defects remedied during 1970.

| Section | Contraventions              |       |          |
|---------|-----------------------------|-------|----------|
|         |                             | Found | Remedied |
| 4       | Cleanliness                 | 17    | 14       |
| 5       | Overcrowding                | 1     | 1        |
| 6       | Temperature                 | 6     | 2        |
| 7       | Ventilation                 | -     | -        |
| 8       | Lighting                    | 1     | 1        |
| 9       | Sanitary Conveniences       | 21    | 13       |
| 10      | Washing Facilities          | 6     | 3        |
| 16      | Floors, Passages and Stairs | 24    | 15       |
| 24      | First Aid                   | 6     | 1        |
| 50      | Information for employees   | 7     | 2        |

No prosecutions under the Act were found necessary during the year.

Five accidents, all non-fatal, were reported during the year. Three of the accidents were caused by falling whilst alighting from vehicles or steps and resulted in bruising, skin abrasion and a sprained ankle. In one case an employee lacerated his hand whilst boning meat, and the remaining case was of an employee trapping his hand whilst moving a compressor.

#### ATMOSPHERIC POLLUTION

Confirmation of the No.6 Smoke Control Order was received in October, 1970, to become operable on 1st July, 1972. This in effect meant that the date of operation had been postponed for three months. The area covers 411 acres and includes 3,170 premises.

During the autumn supplies of solid smokeless fuel became insufficient and the Solid Smokeless Fuels Federation indicated that the position would deteriorate as the winter progressed. The Council, after considering the evidence available, applied for and received a temporary suspension of the smoke control orders in operation from 1st October, 1970, until 30th April, 1971.

The present fuel shortage has done untold harm to the cause of clean air which has been shown by the lack of confidence by the public in solid smokeless fuels. In Nelson, public opinion was, prior to the suspension of the orders, wildly enthusiastic to the Clean Air programme. What reaction will be apparent when the suspensions are lifted next spring remains to be seen.

#### SWIMMING BATHS AND POOLS

There are three public swimming baths and pools in the district, all owned by the Corporation. The open air pool, situate in Marsden Park, proves popular during the summer season. The Public Baths in Bradley Road contain two plunge baths, one 75 feet by 30 feet, and one 50 feet by 20 feet. Additional facilities at the Public Baths include 18 slipper baths, sauna baths, and a cafe.

At both premises, the treated town mains water supply is used, with filtration plant in continuous use, giving a six-hourly cycle at the Open Air Pool, and a three-hour cycle at the Public Baths for the large pool, with a one-hour cycle for the small pool.

Bacteriological examination of samples of swimming bath water was carried out on 62 occasions, when all but 3 samples returned satisfactory results.

#### DISINFESTATION

Infestations of bed-bugs are almost non-existent these days, although fleas continue to be found occasionally. The main insect pests against which requests for treatment are received are cockroaches, silver fish, crickets, and wasps' nests. Eighteen houses, five of them Council houses, were treated for bugs or fleas, and 91 houses and 8 schools were disinfested of pests such as cockroaches.

The disinfestation service is undertaken by the Department, and is free of charge to householders. Insecticidal powders are also available to persons wishing to carry out their own treatment.

RODENT CONTROL

One full-time rodent operative is employed by the Public Health Department, and the following table shows the work undertaken in this connection during the year.

|                                                                                                     | Type of Property |              |
|-----------------------------------------------------------------------------------------------------|------------------|--------------|
|                                                                                                     | Non-agricultural | Agricultural |
| No. of properties in district .....                                                                 | 16,047           | 69           |
| No. of properties inspected .....                                                                   | 507              | 7            |
| No. of properties inspected which were found to be infested by:                                     |                  |              |
| Rats .....                                                                                          | 157              | 6            |
| Mice .....                                                                                          | 350              | 1            |
| Total number of properties inspected for rats and/or mice for reasons other than notification ..... | 13               | -            |
| No. of properties infested by:                                                                      |                  |              |
| Rats .....                                                                                          | 4                | -            |
| Mice .....                                                                                          | 9                | -            |

SCHOOLS

Conditions at the 25 schools remained satisfactory.

OFFENSIVE TRADES

There are no offensive trades established within the district.

FACTORIES ACT, 1961

1. Inspections for the purposes of provisions as to health.

| Premises                                                                                                           | Number of Premises | Number of   |                 |                      |
|--------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-----------------|----------------------|
|                                                                                                                    |                    | Inspections | Written Notices | Occupiers Prosecuted |
| (i) Factories in which Sections 1,2,3,4, and 6 are to be enforced by Local Authorities...                          | 11                 | 2           | -               | -                    |
| (ii) Factories not included in (i) in which section 7 is enforced by the Local Authority .....                     | 97                 | 89          | 3               | -                    |
| (iii) Other premises in which section 7 is enforced by the Local Authority (excluding out-workers' premises) ..... | 1                  | -           | -               | -                    |
| Totals                                                                                                             | 109                | 91          | 3               | -                    |

## 2. Cases in which defects were found.

| Particulars                                                                        | Number of cases in which defects were found |          |                    |                    | Number of cases in which prosecutions were instituted |
|------------------------------------------------------------------------------------|---------------------------------------------|----------|--------------------|--------------------|-------------------------------------------------------|
|                                                                                    | Found                                       | Remedied | To H. M. Inspector | By H. M. Inspector |                                                       |
| 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 ..                                                     | 13                                          | 5        | -                  | 3                  | -                                                     |
| (c) Not separate for sexes ...                                                     | -                                           | -        | -                  | -                  | -                                                     |
| Other offences against the Act (not including offences relating to out-work) ..... | 1                                           | -        | -                  | -                  | -                                                     |
| Totals                                                                             | 14                                          | 5        | -                  | 3                  | -                                                     |

No notifications of outworkers were received during the year.

COMMON LODGING HOUSES AND HOUSES LET IN LODGINGS

There are no such premises within the district.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises are registered under the Act.

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

The improvement of ablution facilities in the poorer type of properties, together with the abolition of the obsolete waste water closets, still remain the chief sanitary requirements of the district.

The increased publicity and financial aid which is being given for the provision of hot water supplies and bathrooms is having the desired effect, reflected in the number of applications for grant. However, this is not the case in respect of applications for grant towards the cost of waste water closet conversions. The number of closets converted, 141, was the lowest since grants began.

HOUSING

During the year 139 dwellings were inspected for housing defects, when 133 were found to be not reasonably fit for human habitation by reason of the 27% defects found.

In connection with housing matters a total of 396 notices were served, 177 of these being Statutory Notices, 37 of which related to defects in drainage. The total number of visits made during the year for housing purposes was 77%.

The demolition of the remaining 44 houses in the St. George and Garfield Street Conspiracy Purchase Order was completed early in the year. Fifteen of the houses in the Salford and Harvey Street Conspiracy Purchase Order were demolished, as were 10 houses in Branch Street which had been purchased privately for this purpose. After being purchased by the Council, 2 derelict houses at the end of a terrace of otherwise good houses, were demolished and a new gable wall built in order to improve the appearance of the neighbourhood.

In the latter part of the year, the Council received and accepted an Official Representation in respect of 70 properties in the Grove Street and Southfield Street Clearance Area.

During the year the Council acquired 44 houses for repair and improvement prior to letting. Private individuals submitted schemes of improvement for grant purposes in respect of 44 houses, 47 of which were approved. Allocated grant and scheme numbered 271 and 283 some work was completed. In addition, 35 local authority houses were improved with the aid of grant.

SECTION E

Nineteen new houses were built during the year by private individuals, and a local authority scheme for the erection of 51 cottages during the year.

The following table shows the defects found and remedied in dwellings during the period under review.

HOUSING

|                                  | <u>Found &amp; Remedied</u><br><u>During 1965</u> |    | <u>Found in 1965</u><br><u>Remedied in 1966</u> |
|----------------------------------|---------------------------------------------------|----|-------------------------------------------------|
| <u>Roofs, etc.</u>               |                                                   |    |                                                 |
| Defective roof .....             | 43                                                | 7  | 10                                              |
| Defective chimney .....          | 20                                                | 15 | 5                                               |
| Defective eaves gutters .....    | 50                                                | 29 | 10                                              |
| Defective rainwater downspout .. | 31                                                | 22 | 8                                               |
| <u>Walls, External</u>           |                                                   |    |                                                 |
| Defective pointing .....         | 15                                                | 6  | 1                                               |
| Defective damp-proofing .....    | 10                                                | 4  | 7                                               |
| <u>Doors</u>                     |                                                   |    |                                                 |
| Defective door/door frame .....  | 4                                                 | -  | 14                                              |
| Defective weather-bar .....      | 3                                                 | -  | 12                                              |
| <u>Windows</u>                   |                                                   |    |                                                 |
| Defective window frame/ashes ..  | 26                                                | 3  | 35                                              |
| Defective puttying .....         | 9                                                 | 2  | 17                                              |
| Broken glazing .....             | -                                                 | -  | 3                                               |
| <u>Ceilings</u>                  |                                                   |    |                                                 |
| Defective ceiling plaster .....  | 10                                                | 5  | 15                                              |

2. Cases in which appeals were made.

| Particulars                   | Number of cases in which appeals were made |                 |                 |                 | Number of cases in which appeals were instituted |
|-------------------------------|--------------------------------------------|-----------------|-----------------|-----------------|--------------------------------------------------|
|                               | By the District                            | By the District | By the District | By the District |                                                  |
| (1) Appeals to the District   | 10                                         | -               | -               | -               | -                                                |
| (2) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (3) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (4) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (5) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (6) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (7) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (8) Appeals to the District   | -                                          | -               | -               | -               | -                                                |
| (9) Appeals to the District   | 10                                         | 5               | -               | 3               | -                                                |
| (10) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (11) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (12) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (13) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (14) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (15) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (16) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (17) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (18) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (19) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (20) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (21) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (22) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (23) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (24) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (25) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (26) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (27) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (28) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (29) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (30) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (31) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (32) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (33) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (34) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (35) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (36) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (37) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (38) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (39) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (40) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (41) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (42) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (43) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (44) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (45) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (46) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (47) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (48) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (49) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (50) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (51) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (52) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (53) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (54) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (55) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (56) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (57) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (58) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (59) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (60) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (61) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (62) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (63) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (64) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (65) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (66) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (67) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (68) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (69) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (70) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (71) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (72) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (73) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (74) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (75) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (76) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (77) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (78) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (79) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (80) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (81) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (82) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (83) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (84) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (85) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (86) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (87) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (88) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (89) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (90) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (91) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (92) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (93) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (94) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (95) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (96) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (97) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (98) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (99) Appeals to the District  | -                                          | -               | -               | -               | -                                                |
| (100) Appeals to the District | -                                          | -               | -               | -               | -                                                |

### SECTION 2

No notification of appeals received during the year.

### SECTION 3

No appeals received during the year.

### SECTION 4

### SECTION 5

No appeals received during the year.

### SECTION 6

The improvement of the facilities in the poorer type of properties together with the abolition of the obsolete waste water closets, still remain the chief sanitary requirements of the district.

The increased public health and financial aid which is being given for the provision of hot water supplies and bathrooms in having the effect of reflected in the number of applications for grants towards the cost of waste water closets in the district. The number of applications for grants towards the cost of waste water closets in the district is 10, and the lowest cost of a new closet is £10.

HOUSING

During the year 139 dwellings were inspected for housing defects, when 133 were found to be not reasonably fit for human habitation by reason of the 294 defects found.

In connection with housing matters a total of 316 notices were served, 177 of these being Statutory Notices, 57 of which related to defects in drainage. The total number of visits made during the year for housing purposes was 774.

The demolition of the remaining 44 houses in the Scarlett and Garfield Street Compulsory Purchase Order was completed early in the year. Fifteen of the houses in the Seldon and Harvey Street Compulsory Purchase Order were demolished, as were 10 houses in Branch Street which had been purchased privately for this purpose. After being purchased by the Council, 2 derelict houses at the end of a terrace, of otherwise good houses, were demolished and a new gable wall built in order to improve the amenities of the neighbourhood.

In the latter part of the year, the Council received and accepted an Official Representation in respect of 70 properties in the Grove Street and Southfield Street Clearance Area.

During the year the Council acquired 24 houses for repair and improvement prior to letting. Private individuals submitted schemes of improvement for grant purposes in respect of 64 houses, 47 of which were approved. Standard grant applications numbered 292 and in 280 cases work was completed. In addition, 45 local authority houses were improved with the aid of grant.

Nineteen new houses were built during the year by private individuals, and a local authority scheme for the erection of 65 commenced during the year.

The following table shows defects found and remedied in dwellings during the period under review.

|                                  | <u>Found : Remedied</u> |    | <u>Found in 1969</u>    |
|----------------------------------|-------------------------|----|-------------------------|
|                                  | <u>During 1970</u>      |    | <u>Remedied in 1970</u> |
| <u>Roofs, etc.</u>               |                         |    |                         |
| Defective roof .....             | 23                      | 7  | 15                      |
| Defective chimney .....          | 26                      | 15 | 5                       |
| Defective eaves gutters .....    | 32                      | 20 | 18                      |
| Defective rainwater downspout .. | 31                      | 22 | 8                       |
| <u>Walls, External</u>           |                         |    |                         |
| Defective pointing .....         | 15                      | 6  | 4                       |
| Defective damp-proofing .....    | 10                      | 4  | 14                      |
| <u>Doors</u>                     |                         |    |                         |
| Defective door/Door frame .....  | 4                       | -  | 14                      |
| Defective weather-bar .....      | 5                       | -  | 12                      |
| <u>Windows</u>                   |                         |    |                         |
| Defective window frame/sashes .. | 26                      | 3  | 35                      |
| Defective pointing .....         | 9                       | 2  | 17                      |
| Broken glazing .....             | -                       | -  | 5                       |
| <u>Ceilings</u>                  |                         |    |                         |
| Defective ceiling plaster .....  | 10                      | 5  | 15                      |

|                                      | <u>Found : Remedied</u> |    | <u>Found in 1969</u>    |
|--------------------------------------|-------------------------|----|-------------------------|
|                                      | <u>During 1970</u>      |    | <u>Remedied in 1970</u> |
| <u>Walls, Internal</u>               |                         |    |                         |
| Defective wall plaster .....         | 14                      | 4  | 20                      |
| <u>Floors</u>                        |                         |    |                         |
| Defective flag floor .....           | -                       | -  | 6                       |
| Defective wood floor .....           | 5                       | -  | 6                       |
| Defective skirting board .....       | 6                       | 6  | 1                       |
| <u>Staircases</u>                    |                         |    |                         |
| Defective handrail .....             | 2                       | 1  | 4                       |
| Defective staircase .....            | -                       | -  | 3                       |
| <u>Firegrates, Flues, Etc.</u>       |                         |    |                         |
| Defective fireback .....             | 2                       | 2  | 4                       |
| Defective flue .....                 | 2                       | -  | 1                       |
| <u>Sinks, Baths, Etc.</u>            |                         |    |                         |
| Defective sink .....                 | 9                       | 2  | 2                       |
| Defective waste pipes .....          | 9                       | 2  | 3                       |
| <u>Drainage</u>                      |                         |    |                         |
| Defective drainage .....             | 8                       | 4  | -                       |
| Obstructed drainage .....            | 47                      | 35 | -                       |
| <u>Sanitary Accommodation</u>        |                         |    |                         |
| Defective roof .....                 | 1                       | -  | 2                       |
| Defective wall .....                 | 2                       | -  | 5                       |
| Defective door .....                 | 7                       | 3  | 9                       |
| Defective/absent closet seat .....   | 2                       | 1  | 3                       |
| Defective water closet flush .....   | -                       | -  | 1                       |
| Defective floor .....                | -                       | -  | 2                       |
| Burst water service pipe .....       | 1                       | 1  | -                       |
| <u>Yards</u>                         |                         |    |                         |
| Defective yard surface .....         | 3                       | 1  | 2                       |
| Defective yard walls .....           | -                       | -  | 1                       |
| Defective yard gate .....            | 5                       | 1  | 2                       |
| Accumulation of refuse in yard ..... | 13                      | 12 | 1                       |
| <u>Miscellaneous</u>                 |                         |    |                         |
| Defective fuel store roof .....      | 1                       | -  | 1                       |
| Accumulation of refuse in house .... | 2                       | 2  | -                       |
| Inadequate water supply .....        | 2                       | 2  | -                       |

Windows

Defective window frames/panes ..  
Defective pointing .....

Ceilings

Defective ceiling plaster .....

HOUSING STATISTICS

|                                                   | <u>Houses</u> | <u>Flats</u> |
|---------------------------------------------------|---------------|--------------|
| Number of new dwellings erected during the year:- |               |              |
| (i) By the Local Authority .....                  | -             | -            |
| (ii) By other Local Authorities .....             | -             | -            |
| (iii) By other bodies or persons .....            | 19            | -            |

Total number of dwellings owned by any local authority existing in district at end of year.. 1,700

Inspections of dwellings during the year:-

|                                                                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| (i) (a) Total number of dwellings inspected formally or informally for housing defects (under Public Health or Housing Acts) .....                                                 | 139 |
| (b) Number of inspections, formal or informal, made for the purpose .....                                                                                                          | 772 |
| (c) Number of dwellings in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit .....                                   | 133 |
| (ii) Total number of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which:- |     |
| (a) Demolition, Clearance or Closing Orders have been made (at any time) .....                                                                                                     | -   |
| (b) Demolition, Clearance or Closing Orders have not yet been made .....                                                                                                           | 70  |

Houses Demolished:

| <u>In or adjoining Clearance Areas:-</u>                          | <u>Houses Demolished</u> | <u>Displaced during year</u> |                 |
|-------------------------------------------------------------------|--------------------------|------------------------------|-----------------|
|                                                                   |                          | <u>Persons</u>               | <u>Families</u> |
| (1) Houses unfit for human habitation .....                       | 31 )                     |                              |                 |
| (2) Houses included by reason of bad arrangements, etc. ....      | - )                      | 17                           | 16              |
| (3) Houses on land acquired under S.43(2) Housing Act, 1957 ..... | 28 )                     |                              |                 |

Not in or adjoining Clearance Areas:-

|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| (4) As a result of formal or informal procedure under S.16 or S.17(1) Housing Act, 1957 ..... | 12 ) |
| (5) Local Authority owned houses certified unfit by the M.O.H. ....                           | - )  |
| (6) Houses unfit for human habitation where action has been taken under local Acts .....      | - )  |
| (7) Unfit houses included in Unfitness Orders .....                                           | - )  |

Unfit Houses Closed:-

|                                                                                             | <u>Number</u> | <u>Displaced during year</u> |                 |
|---------------------------------------------------------------------------------------------|---------------|------------------------------|-----------------|
|                                                                                             |               | <u>Persons</u>               | <u>Families</u> |
| (1) Under S.16(4), S.17(1) and S.35(1), Housing Act, 1957, and S.26 Housing Act, 1961 ..... | - )           |                              |                 |
| (2) Under S.17(3) and S.26, Housing Act, 1957 .....                                         | - )           | -                            | -               |
| (3) Parts of buildings closed under S.18, Housing Act, 1957 .....                           | - )           |                              |                 |

Unfit Houses made fit:-

|                                                                                               | <u>Number</u> |
|-----------------------------------------------------------------------------------------------|---------------|
| (1) By owner after informal action by local authority                                         | -             |
| (2) After formal notice under S.9 and S.16, Housing Act, 1957:                                |               |
| (a) By owner .....                                                                            | -             |
| (b) By local authority .....                                                                  | -             |
| (3) After formal notice under Public Health Acts ....                                         | -             |
| (4) After modification or revocation of a clearance order under S.24, Housing Act, 1961 ..... | -             |
| (5) After determination of a demolition order under S.24, Housing Act, 1957 .....             | -             |

| <u>Unfit houses in Temporary Use</u><br><u>(Housing Act, 1957):-</u> | <u>No. of</u><br><u>Houses</u> | <u>No. of separate</u><br><u>dwellings contained</u><br><u>in column (1)</u> |
|----------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------|
|                                                                      | <u>(1)</u>                     | <u>(2)</u>                                                                   |
| Position at end of year:-                                            |                                |                                                                              |
| (1) Retained for temporary accommodation                             |                                |                                                                              |
| (a) Under Section 48 .....                                           | -                              | -                                                                            |
| (b) Under Section 17(2) .....                                        | -                              | -                                                                            |
| (c) Under Section 46 .....                                           | -                              | -                                                                            |
| (2) Licensed for temporary occupation under Ss.34 or 53 .....        | -                              | -                                                                            |

| <u>Purchase of Houses by Agreement:-</u>                                                                                                         | <u>No. of</u><br><u>Houses</u> | <u>No. of occupants</u><br><u>of houses in</u><br><u>column (1)</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------|
|                                                                                                                                                  | <u>(1)</u>                     | <u>(2)</u>                                                          |
| Houses in clearance areas other than those included in confirmed clearance orders or compulsory purchase orders, purchased during the year ..... | -                              | -                                                                   |

Housing (Financial Provisions) Act, 1958, and Housing Act, 1969 - Improvement grants, etc:-

|                                                                   | <u>No. of dwellinghouses or other<br/>Buildings affected in schemes of -</u> |                                         |                            |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------|----------------------------|
| <u>Action during year:-</u>                                       | <u>Owner<br/>Occupied</u>                                                    | <u>Others</u>                           | <u>Local<br/>Authority</u> |
| (i) Submitted by private individuals<br>to local authority .....  | 62                                                                           | 2                                       | -                          |
| (ii) Approved by local authority .....                            | 47                                                                           | -                                       | -                          |
| (iii) Submitted by local authority to Ministry                    | -                                                                            | -                                       | 41                         |
| (iv) Finally approved by Ministry .....                           | -                                                                            | -                                       | 41                         |
| (v) Work completed .....                                          | -                                                                            | -                                       | 45                         |
| (vi) Additional separate dwellings<br>included in (v) above ..... | -                                                                            | -                                       | -                          |
| (vii) Any other action taken under the Acts                       | -                                                                            | An improvement area being<br>considered |                            |

House Purchase and Housing Act, 1959 and Housing Acts, 1961, 1964 and 1969 - Standard Grants

|                                                                         | <u>No. of dwellings or other buildings</u><br><u>affected</u> |               |
|-------------------------------------------------------------------------|---------------------------------------------------------------|---------------|
| <u>Action during year:-</u>                                             | <u>Owner</u><br><u>Occupied</u>                               | <u>Others</u> |
| (a) Applications submitted to local authority for improvement to:-      |                                                               |               |
| (i) Full standard .....                                                 | 280                                                           | 12            |
| (ii) Reduced standard .....                                             | -                                                             | -             |
| (b) Total applications approved by local authority for improvement to:- |                                                               |               |
| (i) Full standard .....                                                 | 280                                                           | 12            |
| (ii) Reduced standard .....                                             | -                                                             | -             |

|                                                                                          | <u>Owner<br/>Occupied</u> | <u>Others</u> |
|------------------------------------------------------------------------------------------|---------------------------|---------------|
| (c) Work completed .....                                                                 | 280                       | -             |
| (d) Particulars of any action taken relating<br>to compulsory improvements of dwellings. |                           | None          |

Housing Act, 1969 - Special Grants:-

|                                                                                         | <u>No. of dwellings or other buildings<br/>affected</u> |               |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|
| Action during year:-                                                                    | <u>Owner<br/>Occupied</u>                               | <u>Others</u> |
| (i) Applications submitted to local<br>authority for special grant .....                | -                                                       | -             |
| (ii) Applications approved by local authority<br>for improvement by special grant ..... | -                                                       | -             |
| (iii) Work completed .....                                                              | -                                                       | -             |

Lancashire County Council (General Powers) Act, 1968, S.17

Particulars of any action during year ..... None

Housing Act, 1957, S.92

Particulars of any action during year:-

24 houses acquired by purchase during the year for repairs, improvement and letting.

SUFFICIENCY OF SUPPLY OF HOUSES

As has been the case for a number of years, there is no shortage of actual housing units, the Rate Book at the end of the year showing 347 houses to be unoccupied. These were mainly of the older stone-built terrace type property, the more modern properties being fully occupied.

The number of Council owned dwellings at year end showed a net increase of 30 over the previous year's figure, bringing the figure to 1,700. At the commencement of the year there were 443 applications for tenancies of various types of dwelling, and at year end the number of viable applications was 472.

The following table shows the requirements of applicants for Council dwellings:-

|                                | <u>At commencement of<br/>1970</u> | <u>At end of<br/>1970</u> |
|--------------------------------|------------------------------------|---------------------------|
| Number of applications .....   | 443                                | 472                       |
| <u>Type of house required</u>  |                                    |                           |
| (a) Two bedroomed type .....   | 121 (27%)                          | 114 (24%)                 |
| (b) Three bedroomed type ..... | 155 (35%)                          | 141 (30%)                 |
| (c) Four bedroomed type .....  | -                                  | -                         |
| (d) Old Folks' bungalows ..... | 125 (28%)                          | 154 (33%)                 |
| (e) Flats .....                | 12 (3%)                            | 38 (8%)                   |
| (f) Other .....                | 30 (7%)                            | 25 (5%)                   |

OVERCROWDING

No cases of statutory overcrowding were encountered during the year.



MILK SUPPLY

The sampling of milk for biological examination and the bacteriological tests continued during the year, when 137 samples were taken by the Department. In addition, 54 milk samples were taken by officers of the Lancashire County Council for chemical analysis. One of the latter samples indicated extraneous water when subjected to the Fatsol test. There was no evidence of anti-biotic contamination in any of the milk samples. The reports on milk samples taken by the Department are shown below.

| Total no. of samples submitted for Biological examination | Results  |          |           |
|-----------------------------------------------------------|----------|----------|-----------|
|                                                           | Positive | Negative | No result |
| (i) Bacteriology .....                                    | -        | 2        | -         |
| (ii) Bacteriology - Ring Test .....                       | 15       | 42       | -         |
| (iii) Bacteriology - Culture Test ....                    | 2        | 17       | -         |
| (iv) Bacteriology - Biological Test ..                    | 2        | 17       | 1         |

| Samples submitted for Bacteriological Tests | No. of | Results      |                 |       |
|---------------------------------------------|--------|--------------|-----------------|-------|
|                                             |        | Satisfactory | Dissatisfactory | Total |
| Raw Milk:-                                  |        |              |                 |       |
| (i) Methylene Blue Test                     | 14     | 14           | -               | -     |
| Heat Treated Milk:-                         |        |              |                 |       |
| (i) Methylene Blue Test                     | -      | -            | -               | -     |
| (ii) Ph                                     | -      | -            | -               | -     |
| (iii) Turbidity Test                        | -      | -            | -               | -     |
| (iv) Colony Count Test                      | -      | -            | -               | -     |

SECTION FINSPECTION AND SUPERVISIONOF FOODFOOD INSPECTION

Twenty three complaints in respect of food were made during the year. In spite of increased education to shopkeepers as to the systematic rotation of stocks of perishable foods, foods which had past expiration and in some cases became mouldy, accounted for the majority of the complaints, with foods containing foreign matter completing the picture. Two prosecutions were successfully instituted during the year. In all other cases the vendor was interviewed and the producer contacted.

Routine inspection of foodstuffs showed the following quantities to be unfit for human consumption. All were surrendered voluntarily.

| Type of Food  | Quantity | Total | Unfit | Unfit | Unfit |
|---------------|----------|-------|-------|-------|-------|
| Meat          | 756      | 14    | 2     | 12    | 2     |
| Fruit         | 32       | 2     | 1     | 1     | 1     |
| Vegetables    | 104      | 4     | 3     | 1     | 1     |
| Fish          | 1184     | 5     | 0     | 5     | 100   |
| Milk          | 2        | -     | -     | 2     | 2     |
| Miscellaneous | 4790     | 1     | 0     | 1     | 1     |
| Totals        | 7068     | 2     | 12    | 1     | 11    |

SECTION 7INSPECTION AND SUPERVISION  
OF YOGG

MILK SUPPLY

The sampling of milk for biological examination and the statutory tests continued during the year, when 137 samples were taken by the Department. In addition, 64 milk samples were taken by officers of the Lancashire County Council for chemical analysis. One of the latter samples indicated extraneous water when subjected to the Hortvet Test. There was no evidence of anti-biotic contamination in any of the milk samples. The reports on milk samples taken by the Department are shown below.

| Total no. of samples submitted<br>for Biological examination | Results  |          |           |
|--------------------------------------------------------------|----------|----------|-----------|
|                                                              | Positive | Negative | No result |
| (i) Tuberculosis .....                                       | -        | 9        | -         |
| (ii) Brucellosis - Ring Test .....                           | 15       | 122      | -         |
| (iii) Brucellosis - Culture Test .....                       | 8        | 6        | -         |
| (iv) Brucellosis - Biological Test .                         | 2        | 11       | 1         |

| Samples submitted for<br>Statutory Tests | No. of<br>samples | Results      |                |      |
|------------------------------------------|-------------------|--------------|----------------|------|
|                                          |                   | Satisfactory | Unsatisfactory | Void |
| Raw Milk:-                               |                   |              |                |      |
| (i) Methylene Blue Test                  | 14                | 14           | -              | -    |
| Heat Treated Milk:-                      |                   |              |                |      |
| (i) Methylene Blue Test                  | -                 | -            | -              | -    |
| (ii) Phosphatase Test                    | 3                 | 3            | -              | -    |
| (iii) Turbidity Test                     | 2                 | 2            | -              | -    |
| (iv) Colony Count Test                   | -                 | -            | -              | -    |

FOOD INSPECTION

Twenty three complaints in respect of food were made during the year. In spite of increased education to shopkeepers on the systematic rotation of stocks of perishable foods, foods which had lost condition and in some cases become mouldy, accounted for the majority of the complaints, with foods containing foreign bodies completing the picture. Two prosecutions were successfully instituted during the year. In all other cases the vendor was interviewed and the producer contacted.

Routine inspection of foodstuffs showed the following commodities to be unfit for human consumption. All were surrendered voluntarily.

| Type of Food  | Containers | Tons. | Cwts. | Qtrs. | Lbs.             | Ozs.             |
|---------------|------------|-------|-------|-------|------------------|------------------|
| Meat          | 796        | 14    | 1     | 17    | 2                |                  |
| Fruit         | 32         |       |       | 2     | 13               | 14 $\frac{1}{2}$ |
| Vegetables    | 864        | 4     | 3     | 26    | 2 $\frac{1}{2}$  |                  |
| Fish          | 1184       | 5     | 0     | 5     | 12 $\frac{1}{4}$ |                  |
| Milk          | 2          |       |       |       | 2                | 0                |
| Miscellaneous | 4790       | 1     | 7     | 1     | 13               | 1                |
| Totals        | 7668       | 2     | 12    | 1     | 22               | 0 $\frac{1}{4}$  |

MEAT INSPECTION

The private slaughterhouse continued in operation during 1970, when all the 3,859 animals slaughtered were subjected to inspection. Throughput showed a decrease of 39%, with a small corresponding decrease in income for meat inspection services to £119.17.6d.

|                                                                                                          | Cattle<br>excl.<br>Cows | Cows  | Calves | Sheep<br>and<br>Lambs | Pigs |
|----------------------------------------------------------------------------------------------------------|-------------------------|-------|--------|-----------------------|------|
| Number killed .....                                                                                      | 180                     | 29    | -      | 3450                  | 200  |
| Number inspected .....                                                                                   | 180                     | 29    | -      | 3450                  | 200  |
| ALL DISEASES EXCEPT TUBERCULOSIS<br>AND CYSTICERCI:                                                      |                         |       |        |                       |      |
| Whole carcasses condemned .....                                                                          | -                       | -     | -      | 6                     | -    |
| Carcasses of which some part or organ<br>was condemned .....                                             | 74                      | 24    | -      | 1206                  | 12   |
| Percentage of number inspected affected<br>with diseases other than Tuberculosis<br>and Cysticerci ..... | 41.1%                   | 82.7% | -      | 35.1%                 | 6.0% |
| TUBERCULOSIS ONLY:                                                                                       |                         |       |        |                       |      |
| Whole carcasses condemned .....                                                                          | -                       | -     | -      | -                     | -    |
| Carcasses of which some part or organ<br>was condemned .....                                             | -                       | -     | -      | -                     | -    |
| Percentage of number inspected affected<br>with Tuberculosis .....                                       | -                       | -     | -      | -                     | -    |
| CYSTICERCI:                                                                                              |                         |       |        |                       |      |
| Carcasses of which some part or organ<br>was condemned .....                                             | -                       | -     | -      | -                     | -    |
| Carcasses submitted to treatment by<br>refrigeration .....                                               | -                       | -     | -      | -                     | -    |
| Generalised and totally condemned .....                                                                  | -                       | -     | -      | -                     | -    |

Meat and offal found to be diseased or parasitic weighed 1 ton 11 cwt. 0 qtrs. 3½ lbs., a 39% reduction of the previous year's figure.

FOOD PREMISES

During the year 487 visits were made to various classes of premises where food is handled, when the following contraventions were noted.

|                                     | <u>Found : Remedied</u> |   | <u>Found in 1969</u>    |
|-------------------------------------|-------------------------|---|-------------------------|
|                                     | <u>During 1970</u>      |   | <u>Remedied in 1970</u> |
| <u>Structural defects</u>           |                         |   |                         |
| Defective wall surface .....        | 3                       | 1 | -                       |
| Defective floor .....               | 3                       | 1 | 1                       |
| Defective water closet compartment. | 3                       | - | -                       |
| Defective water closet .....        | 6                       | 1 | -                       |
| Defective staircase .....           | 1                       | - | -                       |

|                                     | <u>Found : Remedied</u> |    | <u>Found in 1969</u>    |
|-------------------------------------|-------------------------|----|-------------------------|
|                                     | <u>During 1970</u>      |    | <u>Remedied in 1970</u> |
| <u>Hygiene defects</u>              |                         |    |                         |
| Defective sink waste pipe .....     | 2                       | 1  | 1                       |
| Absence of wash-hand basin .....    | 1                       | -  | 2                       |
| Insufficient hot water supply ..... | 5                       | 3  | 3                       |
| Absence of soap, nailbrush, towel . | 4                       | 1  | -                       |
| Dirty floor .....                   | 3                       | 1  | -                       |
| Dirty walls and ceiling .....       | 36                      | 6  | 20                      |
| Dirty equipment .....               | 9                       | 5  | 6                       |
| Dirty water closet compartment .... | 4                       | 2  | -                       |
| Defective equipment .....           | 6                       | 4  | -                       |
| Inadequate clothing locker .....    | 3                       | 2  | -                       |
| Unhygienic practices .....          | 3                       | -  | -                       |
| Accumulation of refuse .....        | 12                      | 10 | 2                       |

No. of food premises, by type of business, in district at year end:-

| <u>Type of Business</u>                                                                                      | <u>Number</u> |
|--------------------------------------------------------------------------------------------------------------|---------------|
| General grocers and provision dealers .....                                                                  | 142           |
| Greengrocers and fruiterers (including those selling wet fish, game, etc.) .....                             | 29            |
| Fishmongers (including those selling poultry, game, etc.) .....                                              | 3             |
| Meat Shops (butchers, purveyors of cooked and preserved meats, tripe, etc.) .....                            | 54            |
| Bakers and/or confectioners .....                                                                            | 60            |
| Fried Fish Shops .....                                                                                       | 24            |
| Shops selling mainly sugar confectionery, minerals, ice-cream, etc                                           | 62            |
| Licensed premises, clubs, canteens, restaurants, cafes, snack bars and similar catering establishments ..... | 51            |
| Others .....                                                                                                 | 7             |

No. of food premises registered

| <u>Type of business</u>        | <u>Legislation under which Registration affected</u> | <u>No. registered at end of year</u> | <u>No. of inspections of registered premises during year</u> |
|--------------------------------|------------------------------------------------------|--------------------------------------|--------------------------------------------------------------|
| Butchers                       | Lancs. Cty. Cl.                                      | 34                                   | 20                                                           |
| Bakers and Confectioners/Mixed | (Rivers Bd. and                                      | 43                                   | 51                                                           |
| Baking and Catering/Cafe       | General Powers)                                      | 1                                    | 3                                                            |
| Mixed and Grocery              | Act, 1938 - s.                                       | 9                                    | 12                                                           |
| Cooked Meats, etc.             | 116 or Food and                                      | 5                                    | 14                                                           |
| Ice-Cream Manufacturers        | Drugs Act, 1955, s.16                                | 1                                    | 2                                                            |
|                                |                                                      | —                                    | —                                                            |
|                                | Totals                                               | 93                                   | 102                                                          |
|                                |                                                      | —                                    | —                                                            |

FOOD AND DRUGS ACT, 1955

I am indebted to Dr. C. H. T. Wade, County Medical Officer of Health, for the following particulars of samples obtained under the provisions of the Act by officers of the Lancashire County Council.

A total of 111 samples was obtained comprising 64 milks (6 of which were Channel Islands milk) and 47 others as follows:-

|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| 1 Brown Bread                                   | 1 Sauce Mix                              |
| 1 Apricot Jam                                   | 1 Popping Corn                           |
| 1 Garlic Powder                                 | 1 Meat Pie                               |
| 1 Shrimps in Brine, canned                      | 1 Stewed Apples, canned                  |
| 1 Full Fat Soft Cheese<br>with Garlic and Herbs | 1 Christmas Pudding                      |
| 1 Swiss Pâté with Trifle                        | 1 Sweets                                 |
| 3 Bread                                         | 1 Edible Cake Decorations                |
| 1 Dairy Ice Cream                               | 1 Christmas Tree Decorations             |
| 1 Beans with Baconburgers, canned               | 1 Sulphacetamide Eye Drops               |
| 1 Backache Pills                                | 1 Penicillin Eye Ointment                |
| 1 Wine Vinegar                                  | 1 Napkin Rash Cream                      |
| 1 Baby Food (Junior Lamb Dinner)                | 1 Eye Ointment                           |
| 1 Junior Dessert (Banana Rice<br>and Rose Hip)  | 1 Bilberry Pie Filling, dry              |
| 1 Redcurrant Juice                              | 1 Mushroom Soup Pack                     |
| 1 Oxtail Soup, canned                           | 1 Table Jelly                            |
| 1 Malted Milk                                   | 1 Gravy Mix                              |
| 1 Cake Mix                                      | 1 Aurum Ambrosium (Rheumatism<br>Remedy) |
| 1 Chicken Curry Seasoning                       | 1 Pork Sausages with Liver, canned       |
| 1 Soft Drink (Carton)                           | 1 Apricot Pudding, canned                |
| 1 Soluble Aspirin Tablets                       | 1 Tomatoes Stuffed with Rice, canned     |
| 1 Aspirin Tablets                               | 1 Dried Skimmed Milk                     |
| 1 Hot Lemon Powder                              | 1 Stewed Steak & Kidney, canned          |
|                                                 | 1 Caramel Sauce                          |

I give below details of those samples on which the County Analyst gave adverse reports:-

| <u>Sample</u>      | <u>Result of Analysis</u>                                                                                                                                                                                                                                                                                                                   | <u>Action Taken</u>                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Dried Skimmed Milk | Labelled "Instant Non-Fat Milk" yet contained 0.7% fat. The alternative name for skimmed milk granules in the Dried Milk Regulations 1969 is dried low-fat milk and not non-fat milk. In view of the presence of a small amount of milk fat "Low Fat Milk" could be a more filling designation.                                             | Producer communicated with                |
| Brown Bread        | Contained 7 dead moths. <i>Anagarta kuhniella</i> (Mediterranean Flour Moth) weighing in all 5 milligrams and six particles of dark brown overheated wheat flour containing altogether an estimated maximum of 112 dead flour mites ( <i>Acarus Siro</i> ), these mite infested overheated wheat particles together weighing 16 milligrams. | Fined £10<br>Costs £18.15.0d.             |
| Informal Milk      | Freezing Point indicates 0.1% Extraneous Water.                                                                                                                                                                                                                                                                                             |                                           |
| Bread              | Contained parts of a flour bag label weighing in all 0.13 gramme.                                                                                                                                                                                                                                                                           | Bakery cautioned and complainant informed |
| Redcurrant Juice   | (i) Faulty Cap liner had allowed entry of wild yeasts which had grown to produce a dark unpleasant deposit weighing one third of a gramme.<br>(ii) Minor Mineral constituents indicate that the contents of the bottle consisted of no more than half "Fruit Juice" yet bottle labelled "Red Currant Juice".                                | Importer Communicated with                |

|                         |                                                                                                                                                                                                                                |                                                                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Bread                   | Contained 56 grammes of visibly discoloured crumb distributed throughout the loaf                                                                                                                                              | Bakery cautioned and complainant informed.                      |
| Caramel Sauce           | Contained no list of ingredients.                                                                                                                                                                                              | Importer communicated with.                                     |
| Meat Pie                | Contained a straight splinter of hardwood, having jagged ends, measuring 49 millimetres in length by 3.8 millimetres wide and 2 millimetres thick weighing 0.249 grammes as removed from the pie, of which 31.3% was moisture. | Manufacturer cautioned and complainant informed.                |
| Bread                   | Contained a nymph of common cockroach ( <i>Blatta Orientalis</i> ) of length 13.5 millimetres and weight 60 milligrams.                                                                                                        | Prosecution Fined £15 Costs £18.18.0d.                          |
| Penicillin Eye Ointment | Penicillin Eye Ointment was deleted from the B.P.C. in the deletions of the 1963 edition, probably old stock.                                                                                                                  | Divisional Medical Officers advised to destroy stocks.          |
| Napkin Rash Cream       | Vitamin A content negligible yet carton carried a specific claim about Vitamin 'A' content.                                                                                                                                    | Manufacturer communicated with re relevance of Vitamin A claim. |

#### ICE CREAM

One sample of locally manufactured ice-cream was taken which returned a grade 2 result.

#### EGG PASTEURISATION PLANTS

There are no such premises in the district, and no samples of liquid egg were obtained during the year.



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