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Contributors

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BOROUGH OF NELSON

**ANNUAL
REPORT
of the
Medical Officer of Health
1967**



The Mayor (Councilor J. Bertley, 4-24) (ex-officio)

Medical Officer of Health.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

RESEARCH REPORT

NO. 100

THE UNIVERSITY OF CHICAGO

1955

PHYSICS DEPARTMENT

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

BOROUGH OF NELSON

HEALTH COMMITTEE

Councillor P. S. Cox (Chairman)

Councillor J. F. Spencer (Vice-Chairman)

The Mayor (Councillor F. Hartley, J.P.) (ex.-officio)

Alderman Mrs. E. Kay

" J. Shepherd

Councillor Mrs. E. M. Bannister

" J. Burrell

" J. Cuthbert

" Mrs. E. Ennis

" J. Greenwood

" J. C. L. Hilliard

" F. Mansfield

" P. Sagar

" Miss J. Smith

" W. Sparks

" H. Trueman

" A. Whitworth

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.

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED
BY THE COUNCIL

Salmon Water and Gas Act, 1880.
Salmon Local Board Act, 1884.
Salmon Improvement Act, 1885.
Salmon Local Board Act, 1888.
Salmon Corporation Act, 1903.
Salmon Provisional Orders, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899.
Borough of Salmon (Borough) Order, 1887.
The Public Health Act Amendment Act, 1890, adopted 1891.
The Infectious Diseases (Prevention) Act, 1890, adopted 1891.
The Public Health Act Amendment Act, 1907, partly adopted 1911.
The Salmon Corporation Act, 1911.
The Public Health Act, 1925, except Sections 17, 20 and 21.

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

Year of Adoption	
1880	Common Lodging Houses.
1887	Offensive Trades: Blood Boilers, Blood Drills, Bone Boilers, Felling, Tanning, Leather Dressing, Soap Boilers, Tallow Boilers, Fat Boilers, Tallow Boilers, Bone Boilers, Bone Boilers, Gut Boilers.
1887	Miscellaneous.
1887 & 1907	Sanitary Conveniences.
1887	Latrines, Conveniences and Water-closets Regulations.
1887	Sanitary Conveniences.
1889	Buildings.
1891	Clean Food By-Laws.
1892	Regulating the collection of Black Smoke.
1898	Good Rule & Government and Prevention of Nuisances.
July 1900	Clean Air Act, 1900 - Section 14 - By-Laws.

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health	J. V. Dyer, M.B., B.S., L.R.C.P., M.R.C.S., D.P.H.
Senior Public Health Inspector	G. Pritchard, M.A.P.H.I.
Deputy Senior Public Health Inspector	W. T. Beckwith, Cert. S.I.B., M.R.S.H.
Additional Public Health Inspectors	J. H. Thompson, M.A.P.H.I., A.R.S.H.
	F. Grindrod, M.A.P.H.I.
Chief Clerk	N. Griffiths
Clerks	Mrs. M. P. Hardwick
	Miss S. A. Fisk (resigned: 15th January, 1967)
	Mrs. M. Mutter (Commenced: 23rd January, 1967) (Resigned: 14th July, 1967)
	Miss C. Riley (Commenced: 11th September, 1967)
Temporary Clerk	Mrs. J. Rothwell (Commenced: 17th July, 1967) (Resigned: 24th September, 1967)
Technical Assistant - Smoke Control (Temporary)	F. Chippendale

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Public Health Department,
21, Ferry Road,
SHEFFIELD.

August, 1942.

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 Sanitary and Sanitary Conditions of the Borough, for the year ending 31st December, 1941. The volume includes all the items requested by the Ministry of Health, and the lay-out follows the usual pattern.

C O N T E N T S

	<u>Page</u>
Introductory Letter	11
Acknowledgements	13
Section A	
Statistics and Social Conditions of the Area ..	15
Section B	
General Provision of Health Services in the Area	53
Section C	
Prevalence of, and Control over, Infectious Diseases	59
Section D	
Sanitary Circumstances of the Area	71
Section E	
Housing	81
Section F	
Inspection and Supervision of Food	87
Index	93

CONTENTS

PAGE

Introductory Letter	17
Acknowledgments	17
Section A Statistics and Social Conditions of the Area ..	25
Section B General Features of Health Services in the Area ..	33
Section C Prevalence of, and Control over, Infectious Diseases ..	38
Section D Sanitary Conditions of the Area	74
Section E Housing	81
Section F Inspection and Supervision of Food	85
Index	93

Public Health Department,
21 Carr Road,
NELSON.

August, 1968.

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, 1967. The contents include all the items requested by the Ministry of Health, and the lay-out follows the usual pattern.

Yet again, the estimated population has fallen, as, apart from only the odd occasional increase, it has since the last war. The causes are well known, the remedies, too, are known. We would be rather more impressed by the procession of economic and political leaders who have visited East Lancashire in the last year or so, if positive actions were to result from brave words.

The population would be even lower were it not for the influx of dependants of the earlier wave of male adult Commonwealth immigrants, mainly Asiatics. This will continue for a few more years, but the anticipated arrival of many East Africans of Asiatic origin did not result in large numbers, due to Government action.

The number of births was the lowest for many years, 10% less than the previous year. This is a reflection of the national trend, and is due to a combination of factors, including the widening use of oral contraceptives, the end to "borrowing from the future" by the early age of marriages, and the usual limitation in family size that comes when times are bad.

Of all the tables, one of the most encouraging and worthy of a little reflection is that on page 51 giving the percentage of deaths at different ages at intervals since 1920. Ignore odd variations and just look at the general trends - reflect on how many babies died in the 1920s, and the tragic deaths of young adults in the prime of life, perhaps parents leaving young families, and many, no doubt, maternal deaths. Apart from the overall effects of improved living standards, are the introduction of the sulphonamide group of drugs in the late 1930s, penicillin and other antibiotics in the 1940s, and the immunisation programmes offered nowadays for babies. No longer do we have diphtheria, tuberculosis, rickets or malnutrition undermining the nation's health; now, we face epidemics of road accidents, heart attacks, cigarette smoking, overeating and alcoholism.

Much justifiable apprehension has stemmed from the proposal to build a new town in the Chorley area. If this does materialize, and I personally hope that it does, then we must adapt ourselves to "exploit" it to our own benefit. Many of those employed in the new town will have no desire to live in a soul-less conurbation - this has been seen already in existing new towns. They will be prepared to travel to work, in return for the pleasure of living in an established community in pleasant surroundings. This we can offer. Our only natural resource, apart perhaps from water power, is our delightful countryside. An imaginative joint committee with our neighbouring local authorities could develop scenic drives, picnic areas, camping sites, toilet facilities, viewpoints, recommended moorland walks and refreshment centres.

The town itself is already benefiting from the central redevelopment, and the accelerated clean air programme. Nearly 20% of houses have been included in smoke control areas in the first two years. Similarly, the generous grants offered for conversion of waste water closets to fresh water carriage, are being taken up at quite an encouraging rate. The Council was obliged to pay quite heavy sums for well maintained property in the last slum clearance area, an indication that we have no great problem with unfit houses. Nevertheless, there is a worrying amount of aging, or "twilight", property that will need attention in 15-20 years' time. This should be the subject of thorough discussion now, having in mind the available facilities afforded for Improvement Areas.

With so many empty houses in the town, the Council housing waiting list for family houses is composed either of people in slum-clearance areas, or, those desiring larger houses with gardens and more modern amenities. The turnover is rapid, and in Nelson, the waiting time is not of heart-breaking length, as in many other parts of the country. Knowing this, the time has come to adopt our own standards for overcrowding. It is only on very rare occasions that we find legal overcrowding. These standards were accepted at a time of housing shortage, when anything less strict would have been an embarrassment to housing authorities. All rooms normally used, are taken into account, when determining the "permitted number", so that a typical house, locally, with two downstairs living rooms, and two bedrooms would need to be occupied by the equivalent of eight adults before it is legally overcrowded. Nowadays, and with our own housing situation, surely only bedroom numbers and sizes should be taken into account, so that people of opposite sexes over 10 or so years of age, not living together as man and wife should not have to share a bedroom.

A determined effort to implement the Offices and Shops Act resulted in the remedying of many unsatisfactory provisions for the workers. For too long, the conditions under which non-manual wage-earners work, have been neglected, but now they have their own Act. Some items are perhaps trivial, but taken as a whole, it presents a disappointing picture of the attitudes of some employers towards their staff, who so often work in isolation, and are the least vocal and least able to speak up for themselves. Do look at the list on page 76.

Do also look at the sad list of problems encountered at Food Premises, despite 700 visits by Health Department officials. Constant supervision and health education will remain one of our most important duties, until all employers of food handlers accept the need for staff training, and appreciate just how vital a link they are in the chain of public health.

Too much of the raw farm-bottled milk retailed locally, is infected by Brucellosis - the germs causing Undulant Fever, and several known cases of the disease occurred during the year. The Government at last has begun a long term scheme to meet the problem; we are the last country in the Western World to do so. This official scheme is so long term, and our efforts by persuasion and encouragement not having any obvious significant effect, we now serve an immediate heat treatment notice as soon as a sample of milk is reported as positive.

Every year, following publication of the Annual Report, I have received an anonymous letter, usually abusive and adjectival, disagreeing with some of my comments. I have come to look forward to it, as I know then that someone has taken the trouble to read the Report. Last year, my correspondent suggested that I find something better to do with my time, following his advice, I now take this opportunity to say goodbye not only to him, but to Nelson. I shall always recall with pleasure, six very happy years of interest and professional satisfaction.

I thank my colleagues in the Health Department for their continued good work, throughout the year, and acknowledge with sincerity, the advice and interest of the Committee.

I have the honour to be, Ladies and Gentles

Your obedient Servant,

J. V. DYER,

Medical Officer of Health.

ACKNOWLEDGEMENT

Once again I wish to place on record my acknowledgement and appreciation of information supplied from external sources which has been of much assistance to me in writing this report, and I would take this opportunity of expressing my sincere thanks to the following officials who so willingly co-operated in this respect.

Mr. T. J. Atherton	Manager, Ministry of Social Security, Nelson
Mr. H. Barton	Director of Public Cleansing, Nelson
Mr. T. Beardsworth	Chief Superintendent, Lancashire County Constabulary, Divisional Headquarters, Reedley, Nr. Burnley
Mr. F. Cook	Housing Superintendent, Nelson
Dr. S. C. Gawne	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. R. Cornfield	Manager, Ministry of Labour Office, Nelson

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

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STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in acres	3,446
Ordnance Level, Lowest point	350 feet
Ordnance Level, Highest point	1,100 feet
Ordnance Level, centre of town	458 feet
Drainage of surface water - Natural, chiefly to Walverden Stream and Pendle Water.	
Subsoil - Clay with understratum of sandstone and out-croppings of coal.	
Population - Registrar General's estimate of home population mid-year, 1967.	30,630
Census, 1961.	32,292
Males	15,176
Females	17,116
Census, 1951.	34,384
Houses - Number inhabited at:	
End of 1967, according to Rate Books	12,116
Census, 1961.	12,110
Census, 1951.	12,162
- Number uninhabited at:	
End of 1967, according to Rate Books	405
Census, 1961.	364
Census, 1951.	222
Rateable Value at 31st December, 1967	£861,779
General Rate, 1967/68 (s.d. in the £) - Dwellinghouse	12/9
Mixed Hereditaments	13/-
Other Hereditaments	13/2
Sum represented by a penny rate, 1967/68	£3,250

The estimated cost of the Local Health Service for the financial year 1967/68 was £36,375 which is equivalent to a rate of 11.19d. in the £.

The Registrar General's estimate of the home population for mid 1967 was a reduction of 350 on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

The increasing employment which became evident towards the end of 1966 continued into 1967 and the number of totally unemployed persons increased to four or five times greater than in the early part of 1966. Short-time working in the textile industry persisted for a greater part of the year. There was however, a marked reduction in short-time working towards the end of the year, and while it was not possible to say if this happier position would be maintained it was nevertheless more encouraging.

Five firms announced their closure during the year, and in addition, several other firms announced minor redundancies. The general picture was, therefore, quite gloomy, but by the end of the year there were signs of brightness on the horizon although it was too early to have confidence in a general upsurge in the area.

At year end there was hope of at least one new industry coming to the town, which if it matured to the extent of which it could ultimately be capable, could make a very marked impact and a significant contribution towards the much needed diversification of local industry.

CLIMATOLOGICAL CONDITIONS

January

The first ten days were cold, but fairly sunny and mainly dry. Ground and air frost were recorded every night except the first, and the nights of the 8th and 9th were very cold; on the 8th the minimum air temperature dropped to 19.8°F. and the grass minimum to 14.6°F.

From the 11th for the remainder of the month it became milder and some days were very mild, although much cooler on the 16th and around the 23rd.

Up to the 16th there were only three days with measurable rainfall, but from the 17th onwards was very unsettled and there was some rain every day.

On the whole it was a sunny, dry and mild month. There were almost eleven hours more than average bright sunshine, and 1.65" less than average rainfall. It was the sunniest January since 1963. The mean and maximum air temperatures were 2°F. and 3°F. above average respectively.

February

The mild conditions at the end of the previous month continued into the first week of February when day and night temperatures were above average, particularly the first three days, but it was rather dull and cloudy.

A change occurred on the 8th with a drop in temperatures and this marked the commencement of a cold dry spell until the end of the second week. During this period ground frost was recorded every night from the 8th-15th inclusive, and air frost also except on the 10th, 11th and 12th.

From the 15th onwards was quite mild, with only two exceptions day and night temperatures were average or above, by several degrees on a few occasions, but it was also unsettled and windy with rain. On the 22nd and 27th the total precipitation measured was 0.78" and 1.35" respectively. The last few days were very windy with strong gusts.

The total rainfall, most of which fell during the second half of the month, was above average, 0.36" or 10.5%, but the total bright sunshine was average.

Excluding last year, when it was extremely wet, it was the wettest February since 1961, but the sunniest since 1964.

Some days the maximum was up to 10°F. above normal and the mean maximum (day) temperature was 2.4°F. above average. Similarly the mean minimum temperature exceeded the average by 3.9°F.

March

Two cold spells one from 9-11th and the other from the 26th to month-end were offset by two or three fairly warm days during the month, so that the mean maximum (day) temperature was within normal limits. Minimum (night) temperatures were above average, quite appreciably so many nights, and although the final night was very cold, air and ground frost being recorded, the mean minimum for the month was $3\frac{1}{2}^{\circ}\text{F.}$ above the March normal.

Ground frost was recorded six nights, the 11th, 13th, 26th, 27th, 30th and 31st and there were snow showers on the 26th, 29th and 31st.

Total precipitation was normal, but the amount of bright sunshine recorded exceeded average by 11.1 hours.

April

Not until the 14th did the maximum daily temperature reach the average for April, and during that period ground frost was recorded on four occasions and air frost once. From the 6th-11th the days were particularly cold with strong easterly winds.

On the 14th there was an increase of over 8°F. in the maximum temperature and it remained relatively warm until the 19th, but there was only one really sunny day, the 18th, with over 11 hours of bright sunshine.

Another cold spell commenced on the 20th which lasted until the 25th. During this period there was some rain on three days, sleet showers on the 21st and ground frost occurred three nights with air frost also one night, the 22nd.

From the 27th to 29th inclusive was very warm and also very sunny on the 29th, but there was a sharp drop in the maximum temperature again on the 30th.

In spite of the two cold spells the mean maximum and mean minimum temperatures for the month were near average. Although it was slightly sunnier than in the previous April the total bright sunshine recorded was only almost 63% of the average for April.

The total rainfall was less than half of that of the previous April and only 52% of average which made it the driest April since 1958.

May

This was a dull, rather cold month with bright periods and heavy showers, many of which were accompanied by thunder.

On the 1st and 2nd there were hail and sleet showers and it was quite cold, particularly on the 1st when the maximum temperature was only 43.6°F. , or approximately 15°F. , below normal, making it the coldest day in May since 17th May, 1955 (43.1°F.). On the 2nd and 3rd there was both air and ground frost during the night and 0.64" of rain fell during the 3rd.

Day temperatures were not average until the 10th which was the warmest day of the month and a few degrees above average. This was followed by a drop in temperature particularly on the 13th, and with some fluctuation remained subnormal until the 28th. The mean maximum for the month was 53.9°F. or 4.5°F. less than normal. Night temperatures after the 4th were generally around normal, so that the mean minimum temperature for the month was average.

It was the coldest May since 1955 when the mean maximum temperature was 53.5°F.

Total precipitation which was spread over 27 days was 6.25", (the average for May being 2.49") or 251% of average. The wettest day was the 14th with 0.82". It was the wettest May on our records which commenced in 1926.

Although sunshine was recorded on 27 days the total was only 129.5 hours against an average of 172.7 hours. The sunniest day was the last, with 11.5 hours, but it was the dullest May since 1965 (126.9 hours).

June

Although there were only 12 days with measurable rainfall, the total for the month was average. This was attributable to the thunderstorm which occurred on the 24th, the total rainfall that day being 1.22", and the following day over $\frac{1}{2}$ " was recorded. The 24th, with a rainfall of 1.22", was the wettest day since 27th February when 1.35" of rain fell.

Until the 10th it was rather cool, the maximum daily temperature only topped average on two days, the 2nd and 6th. From 10th-19th was quite warm there being 6 days when the maximum shade temperature reached 70°F. or above. From then until month-end day temperatures fluctuated from anything around 5°F. below average to 5°F. above. The mean maximum temperature for the month was 64.0°F., the same as in 1966, one degree above average.

The notable feature of the month was the total amount of bright sunshine recorded. This was 65.4 hours more than in June 1966 and almost 13% more than average, which made it the sunniest June since 1960.

July

It was a bright month with sunshine recorded on 28 days giving a total 8.8% above average.

The first 12 days were mainly dry, but the remainder of the month was showery, some rain being recorded on all but 4 days. The total for the month was 0.63" less than last year and only 77.5% of the average.

Maximum daily temperatures fluctuated throughout the month, on only half of the days did it exceed average and on some of those occasions by only a small amount. There was however one really warm day the 17th, when the maximum temperature in the shade reached 76.1°F., making it the warmest day since 2nd May, 1966. The mean maximum and mean minimum temperatures were average.

August

August was dull, wet and rather cool. Until the 21st there were only 5 days when the maximum temperature was average, or above, and rain was measured every day until the 19th. During this period there were many very wet days, but on the 17th, 1.13" of rain fell in 24 hours. This, following such a period of rain immediately previous, caused flooding and extensive damage in low lying areas of the locality. To add to that, a further $\frac{3}{4}$ " of rain fell the next day.

From then, conditions improved, temperatures increased and on the 21st the maximum rose to 9°F. above average. The next week was fine, warm and dry, but during the last three days of the month the temperatures dropped somewhat and there was some rain again.

Although the mean temperatures were short of average it was the warmest August since 1964 but the dullest since 1963.

Furthermore, it was the wettest month since December, 1965 and the wettest August since 1956.

September

The first week was rather cool and quite wet, there being an average of almost half an inch of rain each day up to the 5th.

From the 7th day temperatures increased and were average, or a little above, until the end of the second week. Little or no rain fell during this period and there were three or four quite sunny days.

A somewhat cooler, showery spell followed until the 25th, when temperatures rose again, but the rainfall increased, the 26th and 29th being quite wet, each with almost $\frac{3}{4}$ " rainfall.

The mean maximum and minimum temperatures for the month were normal. The sunniest day was the 13th with 9.8 hours, but sunshine generally was less than average by a little over 10%. Total rainfall was 28% above average.

October

This was a very wet month, there were only four days without some rainfall and the total for the month, 9.45 inches, was more than two and a half times the October average. The 16th was extremely wet, a total of 1.93 inches of rain fell in a duration of 11.3 hours, mostly during the night. It was the wettest month since August, 1956 (9.87") and the wettest October since 1938 (10.12").

In spite of this there were several quite sunny days and the total bright sunshine was 89.7% of average. This remarkable feature is explained by the fact that a large proportion of the rain fell during the nocturnal hours.

Maximum day temperatures on more than half the days were average or above, so that mean for the month was less than a degree and a half short of average. Minimum night temperatures were generally mostly around average or above, in fact from the 7th-11th they were anything from 10°-12°F. above, and the mean for the month was 1.4°F. above average.

However, the first frost of the autumn occurred on the 18th, this was ground frost, when the grass minimum thermometer reading fell to 29.8°F.

Thunderstorms occurred on two days and some fog was present on the 30th.

November

Most of the first week was rather cold with low barometric pressure, and it was unsettled with some quite heavy rainfall on the 4th. On the 6th it was brighter, but unsettled conditions returned on the 8th and lasted until the 15th, but temperatures improved during the period, in fact on the 11th the maximum was more than 6°F. above average.

On the 16th, night and day temperatures dropped considerably and with the exception of one day, the 21st, did not reach average again until the 27th. There was no rain in this period until the 24th; it was very cold and frosty with some fog and bright periods.

Afterwards, until the end of the month, it was unsettled again but with day and night temperatures around normal, although with almost no sunshine on account of misty or foggy conditions. There was fog or mist on 10 days during the month.

Air frost was recorded on 12 days and ground frost on 16 days, so that it was not altogether surprising that the mean day and night temperatures were each between 3°F. and 4°F. below normal, although the rainfall was $0.52''$ below average and it was the wettest November since 1963 ($6.3''$).

Bright sunshine exceeded average by 10.6 hours, there being 27.7% more than average.

December

Although this was a cold month, it was drier than average and quite sunny.

The first five days were rather warm with little rainfall, but foggy on the 1st and 2nd. Both maximum and minimum temperatures dropped sharply on the 6th and a cold spell followed until the 14th, when ground frost was recorded each night and air frost during 6 nights. Snow fell on the 9th and 11th.

From the 11th to 15th day temperatures were a little above average but the nights were cold with subnormal temperatures. Total precipitation during this period only amounted to $0.51''$.

The latter half of the month commenced with another drop in temperature and the 17th was the coldest December day since December 27th, 1965, (30.5°F.); also the minimum temperature at 19.1°F. on the 18th, was the lowest recorded since 28th December, 1965, (18.1°F.). Temperatures remained low until the 21st, and then followed a milder spell until after Christmas and the month closed with both the maximum and minimum readings below average.

From the 20th onward rain or some precipitation was recorded each day, but in spite of this the rainfall for the month was $1.78''$ below average, making it the driest December since 1963.

With a total of 37.4 hours sunshine against an average of 17.0 hours, it was the sunniest December since our records commenced in 1926.

Air frost was recorded on 13 days and ground frost on 18 days. The mean maximum temperature for the month was 1°F. below average, but the mean minimum temperature was within 0.5°F. of normal. It was the coldest December since 1964.

The warmest day of the year was 17th July when the maximum temperature in the shade reached 76.1°F. , and the coldest day was 18th December with minimum shade temperature of 19.1°F. The lowest temperature on the grass was 14.4°F. on the 8th January.

Bright sunshine was recorded on 287 days and the total was 1102.5 hours giving a mean daily average of 3.0 hours. It was the sunniest year since 1963, and although seven months each exceeded the monthly average and the annual total was an improvement of 100 hours on that of the previous year, it was nevertheless only 95.6% of average. The sunniest month was June with 191.3 hours or 112.7% of average, closely followed by July with 156.8 hours or 108.8% of average. The sunniest day of the year was 16th July with 12.9 hours.

Rain, or some form of precipitation, occurred on 244 days and the total measured was 53.05" which was 120.6% of the annual average. It was the wettest year since 1954 (57.36") and the wettest day was the 16th October, when 1.93" was measured. There were six months with above average rainfall and four of these were the summer months of May (251.0%), June (104.5%), August (181.5%) and September (128.0%). The wettest months were October (9.45"), August (8.55") and May (6.25") and the driest month was April with 1.46" or only 52.1% of average rainfall.

The following Tables give various statistical information on the Climatological Conditions throughout the year.

CLIMATOLOGICAL CONDITIONS

BAROMETRIC PRESSURE 1967

Height of Instrument above Sea Level 546 feet

Month	Uncorrected Readings				Pressure at Mean Sea Level					
	Mean Reading		Range		Highest Reading			Lowest Reading		
	Inches	Milli-bars	Inches	Milli-bars	Inches	Milli-bars	Day of Month	Inches	Milli-bars	Day of Month
January	29.332	993.3	1.270	43.0	30.664	1038.4	14	29.412	996.0	23
February	29.238	990.1	1.574	53.3	30.546	1034.4	5	28.945	980.2	19
March	29.261	990.9	1.373	46.5	30.472	1031.9	16	29.078	984.7	10
April	29.471	998.0	1.045	35.4	30.561	1034.9	28	29.512	999.4	20
May	29.134	986.6	1.016	34.4	30.245	1024.2	31	29.217	989.4	25
June	29.565	1001.2	0.685	23.2	30.481	1032.2	17	29.808	1009.4	7
July	29.441	997.0	0.543	18.4	30.327	1027.0	10	29.763	1007.9	30
August	29.344	993.7	0.966	32.7	30.298	1026.0	21	29.332	993.3	14
September	29.246	990.4	1.444	48.9	30.398	1029.4	9	28.922	979.4	5
October	29.058	984.0	1.113	37.7	30.242	1024.1	18	29.090	985.1	4
November	29.276	991.4	2.037	69.0	30.767	1041.9	22	28.677	971.1	2
December	29.371	994.6	1.382	46.8	30.507	1033.1	4	29.099	985.4	25
For the 12 months	29.311	992.6	1.204	40.8	30.459	1041.9	22nd Nov.	29.238	971.1	2nd Nov.

THERMOMETER READINGS AND MEAN TEMPERATURES

Month	In Screen										Mean Temp.			Mean Range		On Grass			In Ground	
	Maximum					Minimum										Mean Min.	Lowest Temp.	Day of Month	Mean Temp.	
	Mean	Highest Max. Temp.	Day of Month	Lowest Max. Temp.	Day of Month	Mean	Highest Min. Temp.	Day of Month	Lowest Min. Temp.	Day of Month				1 ft.	4 ft.					
January	42.5	52.0	29	31.1	8	34.6	46.6	30	19.8	8	38.55	7.9	31.7	14.4	8	37.3	41.9			
February	44.0	52.0	2	35.2	14	36.2	48.0	3	26.8	8 & 9	40.10	7.8	33.5	21.9	8	39.7	42.3			
March	46.3	53.2	21	41.2	28	38.3	44.8	7	27.2	31	42.30	8.0	35.3	22.5	31	41.5	42.5			
April	49.2	63.1	28	41.9	8	39.0	46.0	17	24.8	1	44.10	10.2	35.5	21.0	1	43.5	43.2			
May	53.9	65.0	10	43.6	1	42.1	48.6	28	28.6	3	48.00	11.8	38.4	22.6	2	48.9	46.0			
June	64.0	72.9	16	56.3	9	47.3	54.0	4	41.0	5	55.65	16.7	43.7	33.9	5	57.4	50.4			
July	65.5	76.1	17	57.8	3	52.5	60.6	17	45.0	22	59.00	13.0	50.2	40.0	24	60.7	54.5			
August	63.7	74.0	21	55.0	4	51.9	58.7	28	44.1	2	57.80	11.8	49.9	40.0	21	60.3	56.3			
September	59.9	68.4	26	54.3	5	48.2	57.0	26	39.0	8	54.05	11.7	44.8	35.0	8	56.7	55.8			
October	53.4	61.0	8	46.0	27	45.0	54.5	9	35.1	18	49.20	8.4	41.9	29.7	18	51.2	53.3			
November	44.2	53.9	11	36.2	24	34.3	43.7	14	25.6	17	39.25	9.9	31.2	22.4	27	41.7	48.2			
December	42.0	52.3	22	30.9	17	33.4	44.1	1	19.1	18	37.70	8.6	30.5	17.4	20	38.5	44.0			
For 1967	52.4	76.1	17th July	30.9	17th Dec.	41.9	60.6	17th July	19.1	18th Dec.	47.10	10.5	38.9	14.4	8th Jan.	48.1	48.2			
For 1966	52.0	78.3	2nd May	30.0	19/1 10/2	41.8	58.0	11&12 Sept.	20.8	15th Jan.	46.90	10.2	38.9	15.2	15th Jan.	47.8	47.8			

CLIMATOLOGICAL CONDITIONS

Rainfall and Humidity

Month	Mean Relative Humidity %	Total Rainfall		Mean Daily Rainfall		Greatest amount in one day			No. of days with rain	No. of days without rain
		Inches	Milli- metres	Inches	Milli- metres	Inches	Milli- metres	Day of month		
January	86.2	2.38	60.4	0.08	2.0	0.60	15.2	22	17	14
February	86.0	3.78	96.0	0.13	3.3	1.35	34.3	27	21	7
March	76.6	2.46	62.5	0.08	2.0	0.48	12.2	9	22	9
April	76.0	1.46	37.1	0.05	1.3	0.31	7.9	20	14	16
May	76.8	6.25	158.7	0.20	5.1	0.82	20.8	14	27	4
June	71.3	3.00	76.2	0.10	2.5	1.22	31.0	24	12	18
July	74.0	3.06	77.7	0.10	2.5	0.70	17.8	13	20	11
August	82.2	8.55	217.3	0.28	7.1	1.13	28.7	17	21	10
September	83.7	5.25	133.3	0.17	4.3	0.69	17.5	29	21	9
October	85.2	9.45	240.0	0.30	7.6	1.93	49.0	16	26	5
November	91.1	4.20	106.7	0.14	3.6	0.91	23.1	4	21	9
December	86.6	3.21	81.5	0.10	2.5	0.55	14.0	22 27	22	9
For 1967	81.3	53.05	1347.4	0.14	3.6	1.93	49.0	16th Oct.	244	121
For 1966	81.9	50.21	1275.3	0.14	3.6	1.58	40.1	3rd Oct.	220	145

CLIMATOLOGICAL CONDITIONSBRIGHT SUNSHINE

Month	Total Bright Sunshine (hours)	Mean Daily Bright Sunshine (hours)	Highest in one day		No. of days with Bright Sunshine	No. of days without Bright Sunshine
			Amount (hours)	Day of month		
January	36.7	1.2	4.9	18	17	14
February	49.5	1.8	5.0	8 & 12	20	8
March	99.9	3.2	8.5	26	27	4
April	79.3	2.6	11.1	18	25	5
May	129.5	4.2	11.5	31	27	4
June	191.3	6.4	12.7	14	29	1
July	156.8	5.1	12.9	16	28	3
August	109.9	3.5	12.1	20	28	3
September	93.8	3.1	9.8	13	28	2
October	69.6	2.2	7.1	12	27	4
November	48.8	1.6	5.4	16	17	13
December	37.4	1.2	4.9	10	14	17
For 1967	1102.5	3.0	12.9	16th July	287	78
For 1966	1006.3	2.7	14.5	29th June	261	104

TABLES SHOWING COMPARISON OF RAINFALL AND SUNSHINE FIGURES FOR 1967 WITH AVERAGE AMOUNTS,

AND AS A PERCENTAGE OF AVERAGE

RAINFALL

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Amount in inches	2.38	3.78	2.46	1.46	6.25	3.00	3.06	8.55	5.25	9.45	4.20	3.21	53.05
% of average	59.1	110.5	96.8	52.1	251.0	104.5	77.5	181.5	128.0	254.7	96.3	64.3	120.6
Average 20 years	4.03	3.42	2.54	2.80	2.49	2.87	3.95	4.71	4.10	3.71	4.36	4.99	43.97
Group % of average	88.8				135.9				129.0		138.4		

SUNSHINE

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Amount in hours	36.7	49.5	99.9	79.3	129.5	191.3	156.8	109.9	93.8	69.6	48.8	37.4	1102.5
% of average	141.7	100.6	112.5	62.7	74.9	112.7	108.8	79.1	89.4	89.7	127.7	220.0	95.6
Average 20 years	25.9	49.2	88.8	126.5	172.7	169.8	144.1	138.8	104.9	77.6	38.2	17.0	1153.5
Group % of average	118.3				83.4				92.4		145.8		

CLIMATOLOGICAL CONDITIONSRAINFALL

Comparative Table showing amounts measured at various points during 1967 with monthly averages, and during the previous six years with annual averages.

Month or Year	Ogden Reservoir (Inches)	Sewage Works (Inches)	Coldwell Reservoir (Inches)	Climatological Station (Cemetery) (Inches)
January	2.89	2.40	3.28	2.38
February	4.45	3.01	4.65	3.78
March	3.07	2.36	2.66	2.46
April	2.18	1.28	1.87	1.46
May	6.11	5.09	7.14	6.25
June	4.13	2.53	3.85	3.00
July	4.83	2.69	3.63	3.06
August	12.29	9.07	8.70	8.55
September	6.22	4.60	5.64	5.25
October	11.69	8.61	10.61	9.45
November	5.20	4.36	5.40	4.20
December	4.82	2.76	4.20	3.21
Totals	67.88	48.76	61.63	53.05
Monthly Average	5.66	4.06	5.14	4.42
1961	63.81	47.79	52.17	47.80
1962	54.40	41.53	45.03	40.14
1963	49.42	35.63	44.81	39.39
1964	54.35	42.32	48.26	38.63
1965	61.36	46.54	53.35	47.32
1966	64.16	49.03	58.35	50.21
Annual Averages	57.92	43.81	50.33	43.91

Year	Rainfall					Sunshine					Temperature			
	Annual Amount	Wettest		Driest		Days with rain	Annual Amount (hrs.)	Sunniest		Am't. (hrs.)	Days with sun	Highest Temp. Of.	Lowest Temp. Of.	Lowest Grass Temp. Of.
		Month	Am't.	Day	Month	Am't.		Month	Am't.					
1967	53.05"	Oct.	9.45"	16th Oct.	April	1.93"	1102.5	June	191.3	16th July	287	76.1	19.1	18th Dec.
1966	50.21"	Dec.	6.65"	3rd Oct.	Jan.	1.58"	1006.3	May	186.1	29th June	261	78.3	20.8	15th Jan.
1965	47.32"	Dec.	9.21"	18th Dec.	Feb.	1.67"	1066.7	June	161.4	17th July	279	77.2	13.2	2nd Jan.
1964	38.63"	July	6.20"	18th July	Feb.	1.90"	1087.8	May	177.9	27th July	269	75.1	17.1	26th Jan.
1963	39.39"	Nov.	6.63"	25th Sep.	Jan.	1.28"	1133.4	June	180.4	2nd June	279	80.0	10.0	26th Dec.
1962	40.14"	Jan.	5.57"	11th Feb.	Nov.	1.28"	1065.1	June	175.7	5th June	261	72.4	12.1	25th Dec.
1961	47.80"	Jan.	6.51"	3rd Aug.	Mar.	1.90"	1056.4	May	157.7	29th June	281	82.1	15.1	28th & 29th Dec.
1960	48.57"	Nov.	7.17"	3rd Dec.	June	1.73"	1144.8	June	232.9	25th June	275	79.7	19.6	14th Jan.
1959	34.74"	Dec.	7.49"	26th Oct.	Sep.	1.78"	1319.9	May	213.4	14th June	290	82.0	11.0	26th Jan.
1958	45.31"	June	5.08"	7th June	Apr.	1.11"	929.0	July	130.1	15th June	258	74.5	12.6	22nd Jan.
1957	47.98"	Oct.	6.91"	31st Dec.	Apr.	2.04"	1243.0	June	293.1	15th & 17th June	277	81.0	22.1	20th Feb.
1956	43.98"	Aug.	9.87"	1st Aug.	Feb.	1.39"	1198.3	May	209.9	13th June	266	76.0	10.1	2nd Feb.
1955	32.36"	Dec.	6.61"	27th Dec.	Aug.	0.92"	1482.9	July	281.6	31st Mar. & 12th July	275	81.0	11.9	17th Dec.
1954	57.36"	Oct.	8.71"	20th Jan.	Apr.	1.96"	982.3	Apr.	148.8	3rd June	257	77.8	12.8	2nd Feb.
1953	43.87"	Aug.	6.38"	26th June	May	1.75"	1245.6	May	209.0	27th June	271	88.8	20.9	8th Feb.

VITAL STATISTICS

<u>LIVE BIRTHS:</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	229	212	441
Illegitimate	28	27	55
Total	257	239	496

Illegitimate live births percentage of total births	11.4%
Live Birth Rate per 1,000 estimated population - Crude	16.2
Adjusted	18.5
Comparability Factor	1.14
Excess of live births over deaths	55

<u>STILL BIRTHS:</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	4	2	6
Illegitimate	2	-	2
Total	6	2	8

Still Birth Rate per 1,000 total (live and still) births	15.9
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<u>TOTAL LIVE AND STILL BIRTHS:</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
	263	241	504

<u>DEATHS:</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
	224	217	441

Death Rate per 1,000 estimated population - Crude	14.4
Adjusted	12.8
Comparability Factor	0.89

<u>INFANT DEATHS:</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Under 1 year of age - Legitimate	4	3	7
Illegitimate	-	-	-
Total	4	3	7
Under 4 weeks of age - Legitimate	1	3	4
Illegitimate	-	-	-
Total	1	3	4
Under 1 week of age - Legitimate	1	3	4
Illegitimate	-	-	-
Total	1	3	4

Infant Mortality Rates

Total infant deaths per 1,000 total live births	14.1
Legitimate infant deaths per 1,000 legitimate live births	15.9
Illegitimate infant deaths per 1,000 illegitimate live births	Nil

Neo-natal Mortality Rate

Deaths under 4 weeks of age per 1,000 total live births	8.1
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Early Neo-natal Mortality Rate

Deaths under 1 week of age per 1,000 total live births	8.1
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Peri-natal Mortality Rate

Stillbirths and deaths under 1 week of age per 1,000 total births	24.2
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COMMENTS ON STATISTICSPopulation

The Registrar General's estimate of the population of the borough for mid-year 1967 was 30,630. This was a decrease of 350 on the previous year and from records available would appear to be the smallest population since 1898. Since 1961, with the exception of 1965, the number of live births each year has exceeded the number of deaths so that over this period the natural increase of population was 1,370, whereas the decrease in the estimated population was 1,510.

Live Births

For the first time since 1960 the number of live births registered was less than 500. The annual average over the period 1960-61 inclusive was 526, compared with 496 in 1967. Although this was a decrease of 54 on the previous year, the number of live births exceeded the number of deaths by 55.

It is remarkable that there were 55 illegitimate live births included which were 11.1% of the total. This was four fewer illegitimate births than in 1966, but 0.4% more of the total births in 1967.

Most of these live births, 211 or 42.5% of the total occurred in Fern Lea Maternity Home, Nelson; 100 or 20.2% were domiciliary births and the remainder 185, or 37.3%, took place outside the borough, mostly in Bank Hall Maternity Hospital, Burnley.

The Crude Live Birth Rate at 16.2 per 1,000 population was a decrease of 1.6 per 1,000 on that of the previous year and was the smallest since 1960 (14.8 per 1,000). From 1961 to 1966 inclusive, when the number of live births each year exceeded 500, the Crude Live Birth Rate varied from 16.2 to 17.8 per 1,000 population with an average of 16.6.

The Illegitimate Live Birth Rates were 1.79 per 1,000 population and 110.9 per 1,000 live births, the latter being an increase of 3.6 per 1,000 live births on the 1966 figure and the highest on record for the borough.

The Adjusted Live Birth Rate was 18.5 per 1,000 population, a decrease of 1.7 per 1,000 on the rate for the previous year, but only 0.1 per 1,000 less than the average rate for the previous six years. On comparison with other authorities and the National rate, the Nelson Adjusted Live Birth Rate was 0.2 per 1,000 higher than average rates for authorities within Health Division No. 6 and 0.9 per 1,000 in excess of the corresponding rate for Burnley County Borough. It was also 1.3 per 1,000 greater than the Live Birth Rate for England and Wales, which latter rate incidentally was 0.5 per 1,000 population less than in 1966. For the seventh successive year the Nelson Adjusted Live Birth Rate has exceeded the National Rate that is for England and Wales as a whole.

Still Births

The eight Still Births registered was an increase of four on the number in 1966 but this was 1.5 less than the average for the previous six years.

These gave Still Birth Rates of 15.9 per 1,000 total births and 0.26 per 1,000 population, increases of 8.7 and 0.13 per 1,000 respectively on the 1966 figures, but nevertheless 1.8 and 0.04 per 1,000 respectively less than the 1961-66 inclusive averages.

The National Still Birth Rates were 14.8 per 1,000 total births and 0.28 per 1,000 population, the former being 1.1 per 1,000 total births less than the corresponding Nelson rate but the latter 0.02 greater.

Deaths

A noteworthy reduction occurred in the number of deaths registered, the total of 441 being 76 (Males 33 and Females 43) fewer than in 1966. This was also the smallest number of deaths in any year since 1921. The average number for the two previous quinquennial periods being, 1962-1966 inclusive 502, and 1957-1961 inclusive 517.

The Crude Death Rate was 14.4 per 1,000 population. This was a reduction of 2.3 per 1,000 on the 1966 rate and 1.5 per 1,000 less than the 1962-1966 average. It was also the smallest Crude Death Rate since 1952 when there were 465 deaths which gave a rate of 13.7 per 1,000 population. The estimated population that year was 33,900.

An increase of 0.01 in the comparability factor making it 0.89, the same as in 1965, gave an Adjusted Death Rate of 12.8 per 1,000 population. This rate was a decrease of 1.9 per 1,000 on the previous year and was also the smallest Adjusted Death Rate since 1952 (12.1 per 1,000). The average for the previous five years was 15.9 per 1,000 population.

Authorities within Health Division No. 6 had Adjusted Death Rates varying from 11.4 to 16.0 per 1,000 population with an average of 13.8 per 1,000 and that of the Burnley C.B. was 13.9 per 1,000 population. These figures are 1.0 and 1.1 per 1,000 respectively in excess of the Nelson Adjusted Death Rate.

The Death Rate for England and Wales also showed a reduction on that for 1966 by 0.5 per 1,000 population making it 11.2 per 1,000. This was the smallest national death rate since 1948 (10.8 per 1,000), the average for the previous five year period 1962-66 being 11.7 per 1,000.

Although the decrease in the Nelson Adjusted Death Rate of 1.9 per 1,000 compares quite favourably with the National reduction of 0.5 per 1,000 population, the Nelson Death Rate was still 1.6 per 1,000 in excess of the National Death Rate.

The principal causes of death were the same. Although there were 26 fewer deaths from Heart and Circulatory Diseases, deaths in this category still accounted for over 38% of the total deaths of residents, and gave a death rate of 5.58 per 1,000 population. However, both these figures are somewhat smaller than averages of late. From individual causes of death in this group there was a decrease of 32 deaths from Coronary Disease/Angina and four fewer deaths from Hypertension with Heart Diseases, but these were offset by an increase of ten in the deaths attributable to other Heart and Circulatory Diseases.

For the first time for several years an increase in the number of deaths from Cancer made this the second principal cause of death. There was an increase of nine deaths on the total in 1966 from this cause. These accounted for 17.7% of the total deaths and gave a death rate of 2.55 per 1,000 of population - which was identical to the National Cancer Death Rate. Over recent years cancer has been responsible for 15.9% of the total deaths and given a death rate of 2.33 per 1,000 population on average. Looking at the sites of these growths shows that Cancer of the Lung and Bronchus showed a decrease of twelve on the previous year, but other Malignant and Lymphatic Neoplasms showed an increase of 20 deaths. The former gave a death rate of 0.39 per 1,000 population, the smallest for several years and the latter 1.31 per 1,000 the highest for several years. Details of deaths from cancer during the year according to age groups and location of growths are given in a table on page 44 and death rates according to the sites of growths for the period 1960-67 inclusive are shown in a table on page 45.

Vascular Lesions of the Nervous System have for many years been the second principal cause of death, but in 1967 with a total of 77 deaths assigned to this cause, a reduction of 15 on the total in 1966, it became third with 17.5% of the total deaths and a death rate of 2.51 per 1,000 population. This was rather less than the usual percentage, but the death rate was a little higher.

The marked increase in the deaths from Respiratory Diseases (excluding Tuberculosis) which occurred in 1966 was corrected again in 1967 when the figure returned to normal limits. There were 47 deaths in this category, 30 less than in 1966, and these were 10.7% of the total deaths, the death rate being 1.53 per 1,000 population.

Again there were 25 deaths due to accidents and suicides, these comprised motor vehicle accidents 9, suicides 4 and all other accidents 12. An increase of 5 deaths due to motor accidents but 5 fewer suicides.

Classification of deaths according to age groups showed that the largest percentage of deaths, 18.14% of the total, were persons aged 75-79 years. This is, of course, the general picture over recent years as shown in the table on page 47.

Most deaths occur in the winter months, but in 1967 more than usual, 43 in fact, were registered in June. These gave a death rate for the month of 1.40 per 1,000 population, comparable with the October figure of 1.44 per 1,000.

Only 55.6% of the deaths actually occurred in the borough. Last year the figure was 55.9% and this is in accordance with the trend of recent years. Furthermore, 47.6% of the total deaths occurred in hospital, almost identical to the figure in 1966, and about average since 1963.

Infant Mortality

A reduction to seven in the number of infant deaths registered gave the smallest figure since 1961, and excluding that year, the smallest figure since 1955. Classification of these deaths according to cause and ages at death is given in the Table on page 43.

The Infant Mortality Rate was 14.1 per 1,000 live births, a reduction of 7.7 per 1,000. This was the smallest rate since 1961 and was also eight less than the mean rate for the period 1962-66 inclusive. A reduction was also shown in the National Infant Mortality Rate which made it 18.3 per 1,000 live births, 4.2 per 1,000 more than the corresponding rate for Nelson.

Four of the infants were aged under one month, under one week as a matter of fact, so that the Neo-natal Mortality Rate and Early Neo-natal Mortality Rate were both 8.1 per 1,000 total births. The corresponding National Rates being 12.5 and 10.8 per 1,000 live births respectively.

Although the number of deaths of infants under the age of one week was two less than in the previous year, there were four more Still Births registered. The number of peri-natal deaths was therefore 12, which gave a Peri-natal Mortality Rate of 24.2 per 1,000 total births, an increase of 6.1 per 1,000 on the rate in 1966, but nevertheless 1.2 per 1,000 less than the 1967 National Peri-natal Mortality Rate.

Maternal Mortality

No Maternal death occurred during the year. This was the seventh successive year. The total National Maternal Mortality Rate was 0.20 per 1,000 total (live and still) births, which was divided into deaths from Maternal Causes (excluding abortion) 0.16 per 1,000 total births and deaths due to abortion 0.04 per 1,000 total births. These rates were reductions of 0.06, 0.04 and 0.02 per 1,000 total births respectively on those of 1966.

The following Tables show:-

1. Birth Rates, Death Rates and Analysis of Mortality for England and Wales and Nelson, 1967.
2. Nelson Vital Statistics 1967 and previous 10 years with averages.
3. Comparison of Nelson Birth and Death Rates with National Rates 1938-67 inclusive.
4. Vital Statistics for 1967 of authorities in Health Division No. 6 and Burnley C.B.
5. Causes of Death at different periods of life during 1967 with equivalent Death Rates.
6. Death Rates from Various Causes, 1959-1966 inclusive.
7. Principal Causes of Death during 1967 and previous seven years.
8. Classification of Infant Deaths during 1967 according to Causes and Ages.
9. Analysis of Deaths from Cancer during 1967 according to age groups and location of growth.
10. Death Rate from Cancer according to site of growth 1960-1967 inclusive.
11. Monthly Analysis of Deaths during 1967 with rates per 1,000 population.
12. Summary of ages at Death during 1967.
13. Annual Percentage Summary of Ages at Death 1957-1967 inclusive.
14. Deaths occurring in Nelson and Outward and Inward Transferable Deaths in percentage comparison with Nett Deaths assigned to Nelson each year over the period 1933-1967 inclusive.
15. Deaths occurring in Hospitals and Institutions in relation to Total Deaths during 1967.
16. Deaths occurring in Hospitals and Institutions etc., Annually from 1954-1967 inclusive with averages.
17. Percentages of Total Deaths according to ages, at five-year intervals from 1920-1965 and 1967.

VITAL STATISTICS

COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES
AND ANALYSIS OF MORTALITY FOR ENGLAND AND WALES AND
NELSON FOR THE YEAR 1967

	(1) England and Wales		(2) Nelson	
	Number Registered	Rate per 1,000 home population	Number Registered	Rate per 1,000 home population
Births:				
Live Births	832,000	17.2	496	16.2 *
Still Births	12,500	14.8(a)	8	15.9(a)
Deaths:				
All Causes	542,519	11.2	441	14.4 *
Tuberculosis (all forms)	2,041	0.042	-	Nil
Respiratory	1,797	0.037	-	Nil
Non-respiratory	244	0.005	-	Nil
Cancer (all forms)	110,055	2.275	78	2.55
Lung and bronchus	28,250	0.584	12	0.39
Other cancer	81,805	1.691	66	2.16
Maternal Mortality (total)	170	0.20(a)	-	-
Maternal Causes (excluding abortion)	136	0.16(a)	-	-
Due to Abortion	34	0.04(a)	-	-
	Number Registered	Rate per 1,000 Live Births	Number Registered	Rate per 1,000 Live Births
Infant Mortality	15,267	18.3	7	14.1
Neo-natal Mortality	10,436	12.5	4	8.1
Early Neo-natal Mortality	8,947	10.8	4	8.1
Peri-natal Mortality	21,447	25.4(a)	12	24.2(a)

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

Estimated home population (1) 48,390,800

(2) 30,630

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

* Adjusted: Live Birth Rate 18.5 per 1,000 (Comp. Fact. 1.14)
Death Rate 12.8 per 1,000 (Comp. Fact. 0.89)

VITAL STATISTICS FOR 1967 AND THE PREVIOUS 10 YEARS, WITH 5 YEARS' AVERAGES

Year	Estimated Population	Live Births		Deaths (All causes)		Stillbirths		Maternal Mortality		Infant Mortality Total		Neo-natal Mortality	
		No. Regis- tered	Rate per 1000 pop'n	No. Regis- tered	Rate per 1000 pop'n	No. Regis- tered	Rate per 1000 total births	No. of deaths regis- tered	Rate per 1000 total births	No. of deaths regis- tered	Rate per 1000 live births	No. of deaths regis- tered	Rate per 1000 live births
1957	32,330	431	13.3	505	15.6	12	27	NIL	NIL	10	23	6	14
1958	32,060	432	13.5	489	15.3	9	20	NIL	NIL	11	26	5	12
1959	31,720	474	14.9	526	16.6	16	33	NIL	NIL	9	19	7	15
1960	31,470	467	14.8	533	16.9	16	33	1	2.07	8	17	7	15
1961	32,140	530	16.5	536	16.7	17	31	NIL	NIL	7	13	6	11
Average 5 years		467	14.6	517	16.2	14	29	0.2	0.41	9	19	6	13
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
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
Average 5 years		526	16.6	502	15.9	8	15	NIL	NIL	12	22	8	16
1967	30,630	496	16.2	441	14.4	8	16	NIL	NIL	7	14	4	8

COMPARISON OF NELSON BIRTH AND DEATH RATES WITH THE NATIONAL RATES OVER A PERIOD OF 30 YEARS, 1938 - 1967 INCLUSIVE

Year	Nelson											England and Wales			
	Estimated Population	Birth Rates			Death Rates			Birth Rates			Death Rates			Infant	
		Live		Still	Total		Infant	Live		Still	Total		Maternal	Total	
		Crude per 1000 pop'n	Adjusted per 1000 pop'n		Crude per 1000 pop'n	Adjusted per 1000 pop'n		Per 1000 pop'n	Per 1000 pop'n		Per 1000 pop'n	Per 1000 pop'n		per 1000 Live Births	Neo-natal Live Births
1938	35,110	9.2	-	52.8	15.6	16.6	55	40.2	15.1	-	11.6	2.97	53	-	-
1939	34,390	8.1	-	31.9	15.2	16.2	78	60.3	15.0	37.8	12.1	2.82	50	-	-
1940	33,520	9.6	-	31.8	15.8	14.4	56	32.8	14.6	36.1	14.3	2.16	55	-	-
1941	32,240	10.5	-	55.0	14.3	-	51	-	14.2	34.4	12.9	2.23	59	-	-
1942	32,580	13.8	-	46.8	15.1	-	56	-	15.8	33.0	11.6	2.01	49	27.2	27.2
1943	31,590	13.3	-	41.1	16.1	-	48	-	16.5	30.2	12.1	2.29	49	25.2	25.2
1944	31,420	15.6	-	23.8	15.3	-	24	-	17.6	27.7	11.6	1.93	46	24.3	24.3
1945	31,100	13.4	-	43.4	15.3	-	40	-	16.1	27.6	11.4	1.79	46	24.8	24.8
1946	32,650	16.2	-	50.1	15.1	-	28	-	19.1	27.2	11.5	1.43	43	24.5	24.5
1947	33,140	20.1	-	16.9	14.9	-	40	31.4	20.5	24.1	12.0	1.17	41	22.7	22.7
1948	34,530	16.4	-	25.7	15.0	-	40	28.2	17.9	23.2	10.8	1.02	34	19.7	19.7
1949	34,530	13.8	-	28.4	15.9	14.1	36	16.7	16.7	22.7	11.7	0.98	32	19.3	19.3
1950	34,670	14.1	15.1	10.1	16.3	14.5	12.2	10.2	15.8	22.7	11.6	0.86	29.8	18.5	18.5
1951	34,240	13.6	14.4	27.2	16.9	14.9	28.0	21.6	15.5	23.0	12.5	0.79	29.6	18.8	18.8
1952	33,900	13.4	14.2	21.5	13.7	12.1	17.5	13.1	15.3	22.6	11.3	0.72	27.6	18.3	18.3
1953	33,510	14.5	15.4	20.1	15.7	13.8	32.8	24.6	15.5	22.4	11.4	0.76	26.8	17.7	17.7
1954	33,390	11.1	12.1	28.8	15.1	13.5	21.6	16.2	15.2	23.4	11.3	0.69	25.5	17.3	17.3
1955	33,220	12.5	13.6	14.2	14.9	13.2	12.0	7.2	15.0	23.1	11.7	0.64	24.9	16.9	16.9
1956	32,700	13.6	14.8	22.0	15.9	15.3	18.0	15.8	15.7	23.0	11.7	0.56	23.8	16.5	16.5
1957	32,330	13.3	14.4	27.0	15.6	15.2	23.2	13.9	16.1	22.4	11.5	0.47	23.0	16.2	16.2
1958	32,060	13.5	14.5	20.4	15.3	14.6	25.5	11.6	16.4	21.6	11.7	0.43	22.5	15.8	15.8
1959	31,720	14.9	16.1	32.7	16.6	15.9	19.0	14.8	16.5	20.7	11.6	0.38	22.0	15.6	15.6
1960	31,470	14.8	16.0	33.1	16.9	16.1	17.1	15.0	17.1	19.7	11.5	0.39	21.7	15.5	15.5
1961	32,140	16.5	17.8	31.1	16.7	15.8	13.2	11.3	17.4	18.7	12.0	0.33	21.4	15.1	15.1
1962	32,000	16.8	18.2	21.8	16.1	15.3	16.7	14.8	18.0	18.1	11.9	0.35	20.9	14.2	14.2
1963	32,000	16.2	18.5	11.4	15.4	14.0	23.1	11.6	18.2	17.3	12.2	0.28	20.0	13.8	13.8
1964	31,540	16.4	18.7	7.7	14.7	13.4	21.2	19.3	18.4	16.3	11.3	0.25	19.0	13.0	13.0
1965	31,290	16.0	18.3	27.1	16.7	14.8	27.9	19.9	18.1	15.7	11.5	0.25	19.0	12.9	12.9
1966	30,980	17.8	20.2	7.2	16.7	14.7	21.8	14.5	17.7	15.4	11.7	0.26	19.0	12.5	12.5
1967	30,630	16.2	18.5	15.9	14.4	12.8	14.1	8.1	17.2	14.8	11.2	0.20	18.3	-	-

Table showing Vital Statistics for 1967 of Authorities in Health Division No. 6 and Burnley County Borough, for comparison

	Estimated Population Mid-year 1967							
	Nelson MB	Colne MB	Burnley RD	Padtham UD	Brierfield UD	Barrowford UD	Trawden UD	Burnley CB
	30,630	18,850	15,900	10,200	7,280	4,680	1,850	78,060
<u>Mortality Rates per 1,000 Est. Pop'n.</u>								
Total (all forms):								
Crude Rate	14.4	15.2	14.7	15.7	13.6	14.3	16.8	14.53
Adjusted Rate	12.8	14.3	12.9	15.5	13.9	11.4	16.0	13.95
Respiratory Tuberculosis	Nil	Nil	0.06	Nil	0.14	Nil	Nil	0.08
Malignant Neoplasms (Cancer)	2.55	2.65	2.33	1.57	2.75	2.14	2.70	2.56
<u>Live Birth Rates per 1,000 Est. Pop'n.</u>								
Crude Rate	16.2	15.3	14.7	18.3	17.2	14.7	13.5	15.71
Adjusted Rate	18.5	18.5	16.8	20.3	19.1	18.2	17.0	17.59
Stillbirth Rate per 1,000 total births	16	7	17	5	8	Nil	Nil	12.09
Maternal Mortality rate per 1,000 total births	Nil	3.44	Nil	Nil	Nil	Nil	Nil	Nil
Infant Mortality per 1,000 live births	14	28	13	53	8	14	40	22.02
Neo-natal Mortality rate per 1,000 live births	8	14	13	32	Nil	14	40	16.31
Early Neo-natal Mortality rate per 1,000 live births	8	7	9	27	Nil	Nil	40	12.25
Peri-natal Mortality rate per 1,000 total births	24	14	25	32	8	Nil	40	24.17

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1967 WITH EQUIVALENT DEATH RATES

PART 1

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years							Total All Ages	Rate per 1,000 pop'n
				Age in years								
				1-5	5-15	15-25	25-35	35-45	45-55	55-65		
3. Syphilitic Disease	M.	-	-	-	-	-	-	-	1	1	0.03	
	F.	-	-	-	-	-	-	-	-	-		
10. Malignant neoplasm, stomach	M.	-	-	-	-	-	-	-	3	7	0.39	
	F.	-	-	-	-	-	-	-	1	5		
11. Malignant neoplasm, lung, bronchus	M.	-	-	-	1	-	-	1	4	12	0.39	
	F.	-	-	-	-	-	-	1	1	4		
12. Malignant neoplasm, breast	F.	-	-	-	-	1	-	2	2	10	0.33	
13. Malignant neoplasm, uterus	F.	-	-	-	-	-	-	-	-	1	0.03	
14. Other malignant and lymphatic neoplasms	M.	-	-	1	-	1	-	1	4	23	1.31	
	F.	-	-	-	-	-	-	2	9	17		
15. Leukaemia, aleukaemia	M.	-	-	-	-	-	-	-	1	3	0.10	
	F.	-	-	-	-	-	-	-	1	2		
16. Diabetes	M.	-	-	-	-	-	-	-	-	1	0.06	
	F.	-	-	-	-	-	-	-	-	1		
17. Vascular lesions of nervous system	M.	-	-	-	-	-	-	-	6	36	2.51	
	F.	-	-	-	-	1	-	2	4	41		
18. Coronary disease, angina	M.	-	-	-	-	2	-	5	18	53	2.87	
	F.	-	-	-	-	-	-	4	2	35		
19. Hypertension with heart disease	M.	-	-	-	-	-	-	-	1	4	0.16	
	F.	-	-	-	-	-	-	-	-	1		
20. Other heart disease	M.	-	-	-	-	-	-	1	3	24	1.99	
	F.	-	-	-	-	-	-	1	3	37		
21. Other circulatory disease	M.	-	-	-	-	1	-	-	-	8	0.56	
	F.	-	-	-	-	-	-	-	1	9		
Totals c/f to Part 2	M.	-	-	1	2	3	8	35	59	166	329	
	F.	-	-	-	-	3	12	14	46	163	88	

VITAL STATISTICS

COMPARATIVE TABLE SHOWING DEATH RATES FROM

VARIOUS CAUSES FOR THE YEARS 1960 - 1966 INCLUSIVE

Cause of Death	1966	1965	1964	1963	1962	1961	1960
	Death Rate per 1,000 of population						
1. Tuberculosis, respiratory	0.06	0.03	0.03	0.03	-	0.03	0.06
2. Tuberculosis, other forms	-	-	-	-	-	-	-
3. Syphilitic disease	0.03	-	0.03	-	0.03	0.03	0.10
4. Diphtheria	-	-	-	-	-	-	-
5. Whooping Cough	-	-	-	-	-	-	-
6. Meningococcal Infections	-	-	-	-	-	-	-
7. Acute poliomyelitis	-	-	-	-	-	-	-
8. Measles	-	-	-	-	-	-	-
9. Other infective and parasitic diseases	-	0.06	-	-	-	0.06	0.03
10. Malignant neoplasms, stomach	0.39	0.54	0.48	0.38	0.50	0.47	0.35
11. Malignant neoplasms, lung, bronchus	0.78	0.51	0.48	0.53	0.50	0.44	0.51
12. Malignant neoplasms, breast	0.26	0.10	0.22	0.22	0.13	0.25	0.19
13. Malignant neoplasms, uterus	0.09	0.03	0.19	0.16	0.03	0.09	0.03
14. Other malignant and lymphatic neoplasms	0.65	1.18	0.95	1.19	1.12	1.00	0.95
15. Leukaemia, aleukaemia	0.06	0.06	0.03	0.06	0.09	0.03	0.10
16. Diabetes	0.06	0.16	0.09	0.06	0.09	-	0.10
17. Vascular lesions of nervous system	2.97	2.75	2.41	2.63	2.81	2.58	2.80
18. Coronary disease, angina	3.87	3.58	3.27	3.31	2.94	3.02	3.59
19. Hypertension with heart disease	0.29	0.26	0.22	0.19	0.19	0.25	0.25
20. Other heart disease	1.68	1.96	1.81	1.69	2.00	2.80	2.13
21. Other circulatory diseases	0.52	0.83	0.70	0.78	0.88	0.93	0.99
22. Influenza	0.39	-	-	0.09	0.31	0.34	0.03
23. Pneumonia	0.65	0.48	0.48	0.31	0.47	0.40	0.41
24. Bronchitis	1.32	0.86	0.89	1.19	1.13	0.87	0.95
25. Other diseases of the respiratory system	0.13	0.10	0.06	0.06	0.16	0.06	0.06
26. Ulcer of stomach or duodenum	0.06	0.06	-	0.03	0.09	0.12	0.25
27. Gastritis, enteritis and diarrhoea	0.13	-	0.03	-	0.06	0.06	0.10
28. Nephritis and nephrosis	0.09	0.26	0.03	0.06	0.09	0.09	0.10
29. Hyperplasia of prostate	-	0.10	0.06	0.03	0.03	0.09	0.22
30. Pregnancy, childbirth & abortion	-	-	-	-	-	-	0.03
31. Congenital malformations	0.13	0.16	0.03	0.06	0.16	0.03	0.06
32. Other defined & ill-defined diseases	1.26	1.37	1.43	1.59	1.56	1.68	1.52
33. Motor vehicle accidents	0.13	0.29	0.13	0.09	0.16	0.15	0.16
34. All other accidents	0.39	0.61	0.25	0.41	0.31	0.50	0.70
35. Suicide	0.29	0.29	0.38	0.25	0.25	0.25	0.16
36. Homicide & operations of war	-	0.03	0.03	-	-	0.06	-
All Causes	16.68	16.66	14.71	15.41	16.09	16.68	16.93

VITAL STATISTICS

COMPARISON OF THE PRINCIPAL CAUSES OF DEATH
DURING 1967 AND THE PREVIOUS 7 YEARS, 1960 - 1967

Principal Causes of Death		Year							
		1960	1961	1962	1963	1964	1965	1966	1967
Heart and Circulatory Diseases	Number	219	225	192	191	189	207	197	171
	% of Total	41.1	41.9	37.3	38.7	40.7	39.7	38.1	38.7
	Rate per 1000 pop.	6.96	7.00	6.00	5.97	5.99	6.62	6.36	5.58
Vascular Lesions of the Nervous System	Number	88	83	90	84	76	86	92	77
	% of Total	16.5	15.5	17.5	17.0	16.4	16.5	17.8	17.5
	Rate per 1000 pop.	2.80	2.58	2.81	2.63	2.41	2.75	2.97	2.51
Cancer	Number	67	73	76	81	74	76	69	78
	% of Total	12.6	13.6	14.7	16.4	15.9	14.6	13.4	17.7
	Rate per 1000 pop.	2.13	2.27	2.38	2.53	2.34	2.43	2.23	2.55
Respiratory Diseases (excluding Tuberculosis)	Number	46	54	66	53	45	45	77	47
	% of Total	8.6	10.1	12.8	10.8	9.7	8.6	14.9	10.7
	Rate per 1000 pop.	1.46	1.68	2.06	1.66	1.43	1.43	2.48	1.53
Other or Ill-defined Diseases	Number	48	53	50	51	45	43	39	26
	% of Total	9.0	9.9	9.7	10.4	9.7	8.3	7.5	5.9
	Rate per 1000 pop.	1.52	1.66	1.56	1.59	1.43	1.38	1.26	0.85
Accidents and Suicides	Number	32	29	23	24	24	37	25	25
	% of Total	6.0	5.4	4.5	4.9	5.2	7.1	4.8	5.7
	Rate per 1000 pop.	1.02	0.90	0.72	0.75	0.76	1.18	0.81	0.82
Infectious and Parasitic Diseases (excluding Tuberculosis)	Number	1	2	-	-	-	2	-	-
	% of Total	0.2	0.4	-	-	-	0.4	-	-
	Rate per 1000 pop.	0.03	0.06	-	-	-	0.06	-	-
Tuberculosis	Number	2	1	-	1	1	1	2	-
	% of Total	0.4	0.2	-	0.2	0.2	0.2	0.4	-
	Rate per 1000 pop.	0.06	0.03	-	0.03	0.03	0.03	0.06	-
All Other Causes	Number	30	16	18	8	10	24	16	17
	% of Total	5.6	3.0	3.5	1.6	2.2	4.6	3.1	3.8
	Rate per 1000 pop.	0.95	0.50	0.56	0.25	0.32	0.77	0.52	0.55
Total deaths during the year		533	536	515	493	464	521	517	441
Estimated Population		31470	32140	32000	32000	31540	31290	30980	30630
Annual Death Rate		16.93	16.68	16.09	15.41	14.71	16.66	16.68	14.39

VITAL STATISTICS

CLASSIFICATION OF INFANT DEATHS DURING 1967 ACCORDING TO CAUSES AND AGES

Cause of Death (International Classification)	Neo-natal (Under 4 wks.)		Others (4 wks.- 12 mths.)		Total	
	M.	F.	M.	F.	M.	F.
<u>DISEASES OF THE RESPIRATORY SYSTEM</u>						
<u>Pneumonia (490 - 493)</u>						
491. Broncho-pneumonia	-	-	1	-	1	-
<u>CONGENITAL MALFORMATIONS</u>						
752. Congenital Hydrocephalus	1	-	-	-	1	-
757. Congenital Malformations of the Genito-urinary System	-	1	-	-	-	1
<u>CERTAIN DISEASES OF EARLY INFANCY</u>						
<u>Birth Injuries, Asphyxia, and Infections of Newborn (760 - 769)</u>						
760.5 Intracranial and Spinal Injury at Birth (with immaturity)	-	1	-	-	-	1
<u>Other Diseases Peculiar to Early Infancy (770 - 776)</u>						
771.5 Haemorrhagic Disease of the Newborn (with immaturity)	-	1	-	-	-	1
773. Ill-defined Diseases peculiar to Early Infancy (without mention of immaturity)	-	-	1	-	1	-
<u>ACCIDENTS, POISONINGS, AND VIOLENCE</u>						
<u>Accidental Falls (E.900 - E.904)</u>						
E.902 <u>Other falls from one level to another</u> <u>Head Injury (Excluding Skull Fracture)</u> <u>(N.850 - N.856)</u>						
N.854 Sub-anachnoid, sub-dural, and extra- dural haemorrhage following injury (without mention of cerebral laceration or contusion)	-	-	1	-	1	-
Totals						
	1	3	3	-	4	3
	4		3		7	

VITAL STATISTICS

ANALYSIS OF DEATHS FROM CANCER DURING 1967 ACCORDING TO AGE GROUPS AND LOCATION OF GROWTH

Location of Growth	Age Groups												Total	Total M. F.	Rate per 1,000 pop'n.	
	15-19 M. F.	40-44 M. F.	45-49 M. F.	50-54 M. F.	55-59 M. F.	60-64 M. F.	65-69 M. F.	70-74 M. F.	75-79 M. F.	80-84 M. F.	85-89 M. F.	90-94 M. F.				
BUCCAL CAVITY AND PHARYNX																
Tongue.....	-	-	-	-	-	1	-	-	1	1	-	-	2	1	3	0.10
DIGESTIVE ORGANS AND PERITONEUM																
Oesophagus.....	-	-	1	1	-	-	-	1	1	-	-	-	2	2	4	0.13
Stomach.....	-	1	-	-	2	1	2	1	1	-	-	1	7	5	12	0.39
Large Intestine.....	-	-	-	-	-	1	1	1	1	1	-	-	3	3	6	0.20
Rectum.....	-	1	-	-	-	1	1	1	1	1	-	-	3	2	5	0.16
Biliary Passages and Liver.....	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	0.03
Pancreas.....	-	-	-	-	-	-	-	1	-	2	-	-	-	3	3	0.10
RESPIRATORY SYSTEM																
Larynx.....	-	-	-	-	1	-	-	1	1	-	-	-	3	-	3	0.10
Trachea and Bronchus of Lung.....	-	-	-	1	1	-	1	-	2	1	-	-	4	3	7	0.23
Lung.....	-	-	-	-	-	1	2	1	-	-	-	-	4	1	5	0.16
BREAST AND GENITO-URINARY ORGANS																
Breast.....	-	1	1	1	2	-	2	-	-	1	-	-	-	10	10	0.33
Uterus.....	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.03
Ovary.....	-	-	-	-	-	-	1	1	-	-	-	-	-	2	2	0.07
Other Female Genital Organs.....	-	-	-	-	-	-	1	2	1	-	-	-	3	1	1	0.03
Prostate.....	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	0.10
Testis.....	-	-	-	-	1	-	-	-	-	-	-	-	1	1	1	0.03
Kidney.....	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	0.03
Bladder and Other Urinary Organs.....	-	-	-	-	-	-	1	-	-	-	-	-	2	2	2	0.07
OTHER AND UNSPECIFIED SITES																
Bone.....	1	-	-	-	-	-	-	-	-	1	-	-	1	1	2	0.07
Lymphatic & Haemotopietic Tissues.....	-	-	-	-	-	-	1	2	-	-	-	-	2	3	5	0.16
Other.....	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	0.03
Totals	1	1	2	2	4	4	8	8	9	7	1	1	39	39	78	2.55

VITAL STATISTICS

DEATH RATES FROM CANCER, ACCORDING TO SITE,
FOR THE YEARS 1960 - 1967 INCLUSIVE

Site of Cancer	Death Rate per 1,000 of population							
	1960	1961	1962	1963	1964	1965	1966	1967
<u>BUCCAL CAVITY & PHARYNX:</u>								
Tongue.....	-	-	-	-	0.03	-	0.03	0.10
Salivary Gland.....	-	-	-	-	-	0.03	-	-
Mouth.....	0.06	0.03	-	-	-	0.03	0.03	-
Tonsil.....	-	-	-	0.03	-	-	-	-
Pharynx.....	0.03	-	0.03	-	0.03	-	-	-
Other parts, unspecified.....	-	-	-	-	-	-	-	-
<u>DIGESTIVE ORGANS & PERITONEUM:</u>								
Oesophagus.....	-	0.06	0.09	0.13	0.03	0.16	0.10	0.13
Stomach.....	0.35	0.47	0.50	0.38	0.48	0.54	0.39	0.39
Small intestine, inc. duodenum.....	-	-	-	0.03	-	-	-	-
Large intestine.....	0.19	0.22	0.19	0.28	0.22	0.22	0.07	0.20
Rectum.....	0.10	0.19	0.19	0.06	0.09	0.06	0.07	0.16
Liver and biliary passages.....	-	0.12	0.09	0.03	0.06	0.03	0.03	0.03
Pancreas.....	0.10	0.12	0.09	0.06	0.06	0.03	0.03	0.10
Peritoneum.....	-	0.03	-	-	-	-	-	-
<u>RESPIRATORY SYSTEM:</u>								
Larynx.....	-	-	0.03	0.03	-	0.03	-	0.10
Trachea and Bronchus of lung...	0.41	0.34	0.19	0.22	0.22	0.19	0.41	0.23
Lung.....	0.10	0.09	0.31	0.31	0.25	0.32	0.35	0.16
Mediastinum.....	-	-	-	-	-	0.03	-	-
<u>BREAST & GENITO-URINARY ORGANS</u>								
Breast.....	0.19	0.25	0.13	0.22	0.22	0.10	0.26	0.33
Cervix Uteri)								
Corpus Uteri)	0.03	0.09	0.03	0.16	0.19	0.03	0.10	0.03
Uterus)								
Ovary.....	-	-	-	0.13	0.06	0.06	0.07	0.07
Other female genital organs....	0.03	-	0.03	-	0.03	0.03	-	0.03
Prostate.....	0.10	0.06	0.13	0.09	-	0.06	0.03	0.10
Testis.....	-	-	-	0.03	-	0.03	0.03	0.03
Kidney.....	0.16	-	-	-	0.03	0.03	-	0.03
Bladder & other urinary organs.	0.10	-	0.06	0.25	0.06	0.13	0.07	0.07
<u>OTHER & UNSPECIFIED SITES:</u>								
Skin.....	-	-	0.06	-	-	-	-	-
Eye.....	-	-	-	-	-	0.03	-	-
Brain & other parts of nervous system.....	-	0.03	-	-	0.03	0.03	0.03	-
Endocrine glands.....	-	-	-	-	-	-	-	-
Bone.....	0.03	0.03	0.03	-	0.03	-	-	0.07
Lymph Nodes.....	-	-	-	-	-	-	-	-
Lymphatic and Haemotopietic Tissues.....	0.12	0.12	0.16	0.09	0.13	0.10	0.13	0.16
Other.....	0.03	-	0.03	-	0.06	0.13	-	0.03
All Sites	2.13	2.27	2.38	2.53	2.35	2.43	2.23	2.55

MONTHLY ANALYSIS OF DEATHS

SHOWING RATES PER 1,000 OF POPULATION - 1967

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett deaths in Nelson			Rate per 1,000 pop'n
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
January	11	16	2	-	9	7	18	23	41	1.34
February	10	15	3	2	10	9	17	22	39	1.27
March	7	9	-	2	8	6	15	13	28	0.91
April	12	11	1	1	9	7	20	17	37	1.21
May	10	14	1	2	6	8	15	20	35	1.14
June	14	8	1	1	13	10	26	17	43	1.40
July	5	4	1	-	7	6	11	10	21	0.69
August	9	6	-	-	9	9	18	15	33	1.08
September	8	3	-	1	6	7	14	9	23	0.75
October	20	12	1	2	5	10	24	20	44	1.44
November	16	22	1	5	7	8	22	25	47	1.53
December	17	17	2	2	9	11	24	26	50	1.63
Totals	139	137	13	18	98	98	224	217	441	14.39

VITAL STATISTICS

SUMMARY OF AGES AT DEATH - 1967

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	-	-	-	-	4	3	4	3	7	1.59
1 year	-	-	-	-	-	1	-	1	1	0.23
2 - 4 years	1	-	-	-	-	-	1	-	1	0.23
5 - 9 years	-	-	-	-	-	-	-	-	-	-
10 - 14 "	2	-	-	-	-	-	2	-	2	0.45
15 - 19 "	1	-	-	-	1	-	2	-	2	0.45
20 - 24 "	1	-	-	-	-	-	1	-	1	0.23
25 - 29 "	-	-	-	-	-	-	-	-	-	-
30 - 34 "	1	2	-	1	1	-	2	1	3	0.68
35 - 39 "	-	-	-	-	2	1	2	1	3	0.68
40 - 44 "	3	1	-	-	1	1	4	2	6	1.36
45 - 49 "	1	1	-	-	-	3	1	4	5	1.13
50 - 54 "	7	8	1	1	4	4	10	11	21	4.76
55 - 59 "	9	7	-	1	8	4	17	10	27	6.12
60 - 64 "	17	5	2	1	10	4	25	8	33	7.48
65 - 69 "	29	10	2	2	13	18	40	26	66	14.97
70 - 74 "	19	25	2	2	18	15	35	38	73	16.56
75 - 79 "	19	29	1	5	13	25	31	49	80	18.14
80 - 84 "	14	21	3	-	16	12	27	33	60	13.60
85 - 89 "	14	16	2	3	5	5	17	18	35	7.94
90 - 94 "	1	10	-	2	2	2	3	10	13	2.95
95 - 99 "	-	2	-	-	-	-	-	2	2	0.45
100 & over	-	-	-	-	-	-	-	-	-	-
Totals	139	137	13	18	98	98	224	217	441	100.00

ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH 1957 - 1967

Age Groups	Each age group as percentage of total Annual deaths										
	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Under 1 year	1.98	2.25	1.71	1.50	1.31	1.75	2.43	2.38	2.69	2.32	1.59
1 year	0.20	0.20	-	0.38	0.19	-	-	-	-	0.19	0.23
2 - 4 years	0.59	-	0.38	-	0.19	-	-	0.22	0.20	0.19	0.23
5 - 9 "	-	0.41	0.19	0.38	0.74	0.39	-	0.22	0.20	0.19	-
10 - 14 "	-	-	0.38	-	0.19	-	-	-	-	-	0.45
15 - 19 "	-	0.82	0.38	0.19	0.19	0.19	0.20	0.22	-	0.19	0.45
20 - 24 "	-	-	0.19	-	0.37	0.19	0.20	-	0.38	0.19	0.23
25 - 29 "	0.40	0.20	0.57	-	-	-	-	-	0.57	0.39	-
30 - 34 "	0.59	0.20	0.57	0.38	0.37	0.39	0.61	0.43	0.20	0.39	0.68
35 - 39 "	0.40	1.23	0.95	0.94	0.19	0.78	0.61	0.43	1.53	0.97	0.68
40 - 44 "	0.99	1.02	0.95	1.31	0.93	1.17	0.82	1.28	1.92	0.77	1.36
45 - 49 "	3.37	2.25	1.52	2.44	1.88	1.75	1.82	2.16	0.77	2.13	1.13
50 - 54 "	3.96	4.70	2.28	4.13	3.54	5.05	3.04	3.23	3.45	1.93	4.76
55 - 59 "	6.93	7.16	7.99	5.81	5.41	5.63	6.69	4.53	4.80	5.03	6.12
60 - 64 "	8.91	8.38	10.46	9.94	9.51	9.32	12.58	11.64	9.02	8.90	7.48
65 - 69 "	15.25	13.70	14.45	14.26	13.80	13.98	12.58	14.44	12.48	12.96	14.97
70 - 74 "	20.79	19.02	14.64	16.51	16.60	16.88	15.21	18.10	21.11	17.22	16.56
75 - 79 "	17.03	15.54	19.39	19.32	19.40	19.42	17.44	18.75	15.93	18.38	18.14
80 - 84 "	12.47	16.77	15.40	11.25	14.74	13.79	15.42	12.28	14.20	18.38	13.60
85 - 89 "	5.15	5.11	6.84	9.57	8.77	7.96	8.32	7.76	7.29	7.35	7.94
90 - 94 "	0.99	0.82	0.76	1.31	1.49	0.97	1.62	1.93	2.88	1.74	2.95
95 - 99 "	-	0.20	-	0.38	0.19	0.39	0.41	-	0.38	0.19	0.45
Total Deaths	505	489	526	533	536	515	493	464	521	517	441

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 - 1967 INCLUSIVE

Year	Deaths in Nelson					Deaths out of Borough		Nett deaths assigned to Nelson
	Actual Number	Outward transfers to other areas	% of above	Deaths in Nelson of residents	% of nett deaths	Inward Transfers to Nelson	% of nett deaths	
1967	276	31	11.2	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 1967

Quarter Ended	Deaths in Nelson			Outward Transfers			Inward Transfers			Nett Deaths		
	Total M. F.	In Hosp. or Inst. M. F.		Total M. F.	In Hosp. or Inst. M. F.		Total M. F.	In Hosp. or Inst. M. F.		Total M. F.	In Hosp. or Inst. M. F.	
31st March	28 40 68	11 4 15 22.3%		5 4 9	4 3 7 77.7%		27 22 49	27 21 48 97.9%		50 58 108	34 22 56 51.8%	
30th June	36 33 69	5 7 12 17.4%		3 4 7	3 4 7 100.0%		28 25 53	24 24 48 90.6%		61 54 115	26 27 53 46.1%	
30th September	22 13 35	1 1 2 5.7%		1 1 2	- 1 1 50.0%		22 22 44	22 19 41 93.2%		43 34 77	23 19 42 54.5%	
31st December	53 51 104	10 12 22 21.1%		4 9 13	4 6 10 76.9%		21 29 50	19 28 47 94.0%		70 71 141	25 34 59 41.8%	
Total for the year	139 137 276	27 24 51 18.5%		13 18 31	11 14 25 80.6%		98 98 196	92 92 184 93.9%		224 217 441	108 102 210 47.6%	

PERCENTAGE OF DEATHS WHICH OCCURRED IN HOSPITALS, INSTITUTIONS, ETC., ANNUALLY
FROM 1954 - 1967 INCLUSIVE, WITH AVERAGES

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.
1954	411	22.1	59	88.1	153	93.4	505	36.0
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
Average	404	20.3	54	87.0	153	90.2	503	34.6
1959	366	15.3	34	82.3	194	95.9	526	40.7
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
Average	366	19.4	43	81.4	198	95.4	521	43.2
Average 10 years 1954-63	384	20.0	49	83.7	175	93.1	512	38.9
1964	325	20.3	42	88.1	181	95.0	464	43.3
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

VITAL STATISTICS

PERCENTAGE OF TOTAL DEATHS, ACCORDING TO AGES, (AT FIVE-YEAR INTERVALS) FROM 1920 - 1965, AND 1967

Ages	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1967
Under 1 year	13.2	7.7	7.7	5.9	3.6	3.6	1.1	1.0	1.5	2.7	1.58
1 - 5 years	2.2	5.3	2.3	1.1	0.8	Not available	0.4	0.6	0.4	0.2	0.46
5 - 15 years	3.2	2.1	1.6	1.7	0.4		0.4	0.6	0.4	0.2	0.46
15 - 45 years	20.2	15.5	12.0	12.6	10.0		2.1	2.6	2.8	4.6	3.40
45 - 65 years	26.1	32.8	29.8	28.5	28.1		26.9	25.5	22.3	18.0	19.50
65 years & over	35.1	36.6	46.6	50.2	57.1		69.1	69.7	72.6	74.3	74.60
Total deaths	410	478	483	460	530	478	564	494	533	521	441
Population	43,095	39,990	39,760	37,096	33,520	31,100	34,670	33,220	31,470	31,290	30,630
Death Rate	9.5	11.9	12.1	12.4	15.8	15.3	16.3	14.9	16.9	16.7	14.4

No.	Description of work	Unit	Quantity	Rate	Amount	Total	Grand Total	Remarks
1	Excavation for foundation	cubic yds.	100	1.50	150.00	150.00	150.00	
2	Foundation concrete	sq. ft.	1000	0.10	100.00	250.00	250.00	
3	Foundation masonry	sq. ft.	1000	0.15	150.00	400.00	400.00	
4	Excavation for walls	cubic yds.	200	1.50	300.00	700.00	700.00	
5	Foundation concrete	sq. ft.	2000	0.10	200.00	900.00	900.00	
6	Foundation masonry	sq. ft.	2000	0.15	300.00	1200.00	1200.00	
7	Excavation for floor	cubic yds.	100	1.50	150.00	1350.00	1350.00	
8	Floor concrete	sq. ft.	1000	0.10	100.00	1450.00	1450.00	
9	Floor masonry	sq. ft.	1000	0.15	150.00	1600.00	1600.00	
10	Excavation for roof	cubic yds.	50	1.50	75.00	1675.00	1675.00	
11	Roof concrete	sq. ft.	500	0.10	50.00	1725.00	1725.00	
12	Roof masonry	sq. ft.	500	0.15	75.00	1800.00	1800.00	
13	Excavation for stairs	cubic yds.	20	1.50	30.00	1830.00	1830.00	
14	Stairs concrete	sq. ft.	200	0.10	20.00	1850.00	1850.00	
15	Stairs masonry	sq. ft.	200	0.15	30.00	1880.00	1880.00	
16	Excavation for porch	cubic yds.	10	1.50	15.00	1895.00	1895.00	
17	Porch concrete	sq. ft.	100	0.10	10.00	1905.00	1905.00	
18	Porch masonry	sq. ft.	100	0.15	15.00	1920.00	1920.00	
19	Excavation for driveway	cubic yds.	50	1.50	75.00	1995.00	1995.00	
20	Driveway concrete	sq. ft.	500	0.10	50.00	2045.00	2045.00	
21	Driveway masonry	sq. ft.	500	0.15	75.00	2120.00	2120.00	
22	Excavation for garden	cubic yds.	10	1.50	15.00	2135.00	2135.00	
23	Garden concrete	sq. ft.	100	0.10	10.00	2145.00	2145.00	
24	Garden masonry	sq. ft.	100	0.15	15.00	2160.00	2160.00	
25	Excavation for parking	cubic yds.	100	1.50	150.00	2310.00	2310.00	
26	Parking concrete	sq. ft.	1000	0.10	100.00	2410.00	2410.00	
27	Parking masonry	sq. ft.	1000	0.15	150.00	2560.00	2560.00	
28	Excavation for foundation	cubic yds.	100	1.50	150.00	2710.00	2710.00	
29	Foundation concrete	sq. ft.	1000	0.10	100.00	2810.00	2810.00	
30	Foundation masonry	sq. ft.	1000	0.15	150.00	2960.00	2960.00	
31	Excavation for walls	cubic yds.	200	1.50	300.00	3260.00	3260.00	
32	Foundation concrete	sq. ft.	2000	0.10	200.00	3460.00	3460.00	
33	Foundation masonry	sq. ft.	2000	0.15	300.00	3760.00	3760.00	
34	Excavation for floor	cubic yds.	100	1.50	150.00	3910.00	3910.00	
35	Floor concrete	sq. ft.	1000	0.10	100.00	4010.00	4010.00	
36	Floor masonry	sq. ft.	1000	0.15	150.00	4160.00	4160.00	
37	Excavation for roof	cubic yds.	50	1.50	75.00	4235.00	4235.00	
38	Roof concrete	sq. ft.	500	0.10	50.00	4285.00	4285.00	
39	Roof masonry	sq. ft.	500	0.15	75.00	4360.00	4360.00	
40	Excavation for stairs	cubic yds.	20	1.50	30.00	4390.00	4390.00	
41	Stairs concrete	sq. ft.	200	0.10	20.00	4410.00	4410.00	
42	Stairs masonry	sq. ft.	200	0.15	30.00	4440.00	4440.00	
43	Excavation for porch	cubic yds.	10	1.50	15.00	4455.00	4455.00	
44	Porch concrete	sq. ft.	100	0.10	10.00	4465.00	4465.00	
45	Porch masonry	sq. ft.	100	0.15	15.00	4480.00	4480.00	
46	Excavation for driveway	cubic yds.	50	1.50	75.00	4555.00	4555.00	
47	Driveway concrete	sq. ft.	500	0.10	50.00	4605.00	4605.00	
48	Driveway masonry	sq. ft.	500	0.15	75.00	4680.00	4680.00	
49	Excavation for garden	cubic yds.	10	1.50	15.00	4695.00	4695.00	
50	Garden concrete	sq. ft.	100	0.10	10.00	4705.00	4705.00	
51	Garden masonry	sq. ft.	100	0.15	15.00	4720.00	4720.00	
52	Excavation for parking	cubic yds.	100	1.50	150.00	4870.00	4870.00	
53	Parking concrete	sq. ft.	1000	0.10	100.00	4970.00	4970.00	
54	Parking masonry	sq. ft.	1000	0.15	150.00	5120.00	5120.00	
55	Excavation for foundation	cubic yds.	100	1.50	150.00	5270.00	5270.00	
56	Foundation concrete	sq. ft.	1000	0.10	100.00	5370.00	5370.00	
57	Foundation masonry	sq. ft.	1000	0.15	150.00	5520.00	5520.00	
58	Excavation for walls	cubic yds.	200	1.50	300.00	5820.00	5820.00	
59	Foundation concrete	sq. ft.	2000	0.10	200.00	6020.00	6020.00	
60	Foundation masonry	sq. ft.	2000	0.15	300.00	6320.00	6320.00	
61	Excavation for floor	cubic yds.	100	1.50	150.00	6470.00	6470.00	
62	Floor concrete	sq. ft.	1000	0.10	100.00	6570.00	6570.00	
63	Floor masonry	sq. ft.	1000	0.15	150.00	6720.00	6720.00	
64	Excavation for roof	cubic yds.	50	1.50	75.00	6795.00	6795.00	
65	Roof concrete	sq. ft.	500	0.10	50.00	6845.00	6845.00	
66	Roof masonry	sq. ft.	500	0.15	75.00	6920.00	6920.00	
67	Excavation for stairs	cubic yds.	20	1.50	30.00	6950.00	6950.00	
68	Stairs concrete	sq. ft.	200	0.10	20.00	6970.00	6970.00	
69	Stairs masonry	sq. ft.	200	0.15	30.00	7000.00	7000.00	
70	Excavation for porch	cubic yds.	10	1.50	15.00	7015.00	7015.00	
71	Porch concrete	sq. ft.	100	0.10	10.00	7025.00	7025.00	
72	Porch masonry	sq. ft.	100	0.15	15.00	7040.00	7040.00	
73	Excavation for driveway	cubic yds.	50	1.50	75.00	7115.00	7115.00	
74	Driveway concrete	sq. ft.	500	0.10	50.00	7165.00	7165.00	
75	Driveway masonry	sq. ft.	500	0.15	75.00	7240.00	7240.00	
76	Excavation for garden	cubic yds.	10	1.50	15.00	7255.00	7255.00	
77	Garden concrete	sq. ft.	100	0.10	10.00	7265.00	7265.00	
78	Garden masonry	sq. ft.	100	0.15	15.00	7280.00	7280.00	
79	Excavation for parking	cubic yds.	100	1.50	150.00	7430.00	7430.00	
80	Parking concrete	sq. ft.	1000	0.10	100.00	7530.00	7530.00	
81	Parking masonry	sq. ft.	1000	0.15	150.00	7680.00	7680.00	
82	Excavation for foundation	cubic yds.	100	1.50	150.00	7830.00	7830.00	
83	Foundation concrete	sq. ft.	1000	0.10	100.00	7930.00	7930.00	
84	Foundation masonry	sq. ft.	1000	0.15	150.00	8080.00	8080.00	
85	Excavation for walls	cubic yds.	200	1.50	300.00	8380.00	8380.00	
86	Foundation concrete	sq. ft.	2000	0.10	200.00	8580.00	8580.00	
87	Foundation masonry	sq. ft.	2000	0.15	300.00	8880.00	8880.00	
88	Excavation for floor	cubic yds.	100	1.50	150.00	9030.00	9030.00	
89	Floor concrete	sq. ft.	1000	0.10	100.00	9130.00	9130.00	
90	Floor masonry	sq. ft.	1000	0.15	150.00	9280.00	9280.00	
91	Excavation for roof	cubic yds.	50	1.50	75.00	9355.00	9355.00	
92	Roof concrete	sq. ft.	500	0.10	50.00	9405.00	9405.00	
93	Roof masonry	sq. ft.	500	0.15	75.00	9480.00	9480.00	
94	Excavation for stairs	cubic yds.	20	1.50	30.00	9510.00	9510.00	
95	Stairs concrete	sq. ft.	200	0.10	20.00	9530.00	9530.00	
96	Stairs masonry	sq. ft.	200	0.15	30.00	9560.00	9560.00	
97	Excavation for porch	cubic yds.	10	1.50	15.00	9575.00	9575.00	
98	Porch concrete	sq. ft.	100	0.10	10.00	9585.00	9585.00	
99	Porch masonry	sq. ft.	100	0.15	15.00	9600.00	9600.00	
100	Excavation for driveway	cubic yds.	50	1.50	75.00	9675.00	9675.00	
101	Driveway concrete	sq. ft.	500	0.10	50.00	9725.00	9725.00	
102	Driveway masonry	sq. ft.	500	0.15	75.00	9800.00	9800.00	
103	Excavation for garden	cubic yds.	10	1.50	15.00	9815.00	9815.00	
104	Garden concrete	sq. ft.	100	0.10	10.00	9825.00	9825.00	
105	Garden masonry	sq. ft.	100	0.15	15.00	9840.00	9840.00	
106	Excavation for parking	cubic yds.	100	1.50	150.00	9990.00	9990.00	
107	Parking concrete	sq. ft.	1000	0.10	100.00	10090.00	10090.00	
108	Parking masonry	sq. ft.	1000	0.15	150.00	10240.00	10240.00	
109	Excavation for foundation	cubic yds.	100	1.50	150.00	10390.00	10390.00	
110	Foundation concrete	sq. ft.	1000	0.10	100.00	10490.00	10490.00	
111	Foundation masonry	sq. ft.	1000	0.15	150.00	10640.00	10640.00	
112	Excavation for walls	cubic yds.	200	1.50	300.00	10940.00	10940.00	
113	Foundation concrete	sq. ft.	2000	0.10	200.00	11140.00	11140.00	
114	Foundation masonry	sq. ft.	2000	0.15	300.00	11440.00	11440.00	
115	Excavation for floor	cubic yds.	100	1.50	150.00	11590.00	11590.00	
116	Floor concrete	sq. ft.	1000	0.10	100.00	11690.00	11690.00	
117	Floor masonry	sq. ft.	1000	0.15	150.00	11840.00	11840.00	
118	Excavation for roof	cubic yds.	50	1.50	75.00	11915.00	11915.00	
119	Roof concrete	sq. ft.	500	0.10	50.00	11965.00	11965.00	
120	Roof masonry	sq. ft.	500	0.15	75.00	12040.00	12040.00	
121	Excavation for stairs	cubic yds.	20	1.50	30.00	12070.00	12070.00	
122	Stairs concrete	sq. ft.	200	0.10	20.00	12090.00	12090.00	
123	Stairs masonry	sq. ft.	200	0.15	30.00	12120.00	12120.00	
124	Excavation for porch	cubic yds.	10	1.50	15.00	12135.00	12135.00	
125	Porch concrete	sq. ft.	100	0.10	10.00	12145.00	12145.00	
126	Porch masonry	sq. ft.	100	0.15	15.00	12160.00	12160.00	
127	Excavation for driveway	cubic yds.	50	1.50	75.00	12235.00	12235.00	
128	Driveway concrete	sq. ft.	500	0.10	50.00	12285.00	12285.00	
129	Driveway masonry	sq. ft.	500	0.15	75.00	12360.00	12360.00	
130	Excavation for garden	cubic yds.	10	1.50	15.00	12375.00	12375.00	
131	Garden concrete	sq. ft.	100	0.10	10.00	12385.00	12385.00	
132	Garden masonry	sq. ft.	100	0.15	15.00	12400.00	12400.00	
133	Excavation for parking	cubic yds.	100	1.50	150.00	12550.00	12550.00	
134	Parking concrete	sq. ft.	1000	0.10	100.00	12650.00	12650.00	
135	Parking masonry	sq. ft.	1000	0.15	150.00	12800.00	12800.00	
136	Excavation for foundation	cubic yds.	100	1.50	150.00	12950.00	12950.00	
137	Foundation concrete	sq. ft.	1000	0.10	100.00	13050.00	13050.00	
138	Foundation masonry	sq. ft.	1000	0.15	150.00	13200.00	13200.00	
139	Excavation for walls	cubic yds.	200	1.50	300.00	13500.00	13500.00	
140	Foundation concrete	sq. ft.	2000	0.10	200.00	13700.00	13700.00	
141	Foundation masonry	sq. ft.	2000	0.15	300.00	14000.00	14000.00	
142	Excav							

SECTION B

GENERAL PROVISION OF

HEALTH SERVICES

FOR THE AREA

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 School 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.

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

Reedyford Memorial Hospital, Nelson
Hartley Hospital, Colne
General Hospital, Burnley
Victoria Hospital, Burnley

Patients suffering from infectious diseases are, when necessary, admitted to Marsden Hospital, Burnley, and the committee also provides re-cuperative accommodation at the Grove House Recovery Home, Barrowford.

Maternity Hospitals available in the group are as follows:-

Fern Lea Maternity Home, Nelson
Christiana Hartley Maternity Home, Colne
Bank Hall Maternity 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

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.

For many years now your Council has provided a Welfare Scheme which is supplementary to the County Services.

The Scheme is financed by the Mayor's Welfare Fund and Voluntary subscriptions from employers and voluntary organisations. Nine full-time female welfare workers are employed and their duties are not only to visit the aged in their own homes but also to give assistance by helping with such things as shopping, collecting pensions, lighting fires, and making drinks, etc.

Almost 40,000 visits were paid by these workers during the year, which was about 1,000 more than in the previous year. This was very satisfactory, and is a much appreciated service.

The Meals on Wheels Service inaugurated during the previous year by which 25 meals per day are distributed on Tuesdays, Wednesdays and Fridays, continued during 1967. 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 donated jointly by the Nelson Round Table and the Nelson Ladies' Circle. The Mayor's Welfare Section in co-operation with the local branch of the Women's Royal Voluntary Services are responsible for the distribution, etc. This again is a much appreciated service, the demand for which has increased and there is a waiting list for vacancies.

A Luncheon Club for the Aged is held at the Civic Theatre, Stanley Street, Nelson, on Thursdays, which caters for 65-80 persons. These meals are supplied by another firm of caterers who also operate a local factory canteen.

Also in the borough there are five Social Clubs for Aged persons. These are provided by the Council and have a total membership around 2,000.

NATIONAL ASSISTANCE ACTS, 1948 AND 1951

SECTION 47

One order for the removal to suitable premises of a person in need of care and attention was obtained during the year.

This was a case of a woman aged 88 years who had taken her own discharge from hospital against medical advice. She was completely incapable of caring for herself at home and as the result of the Order, which was for a period of three weeks, was re-admitted to hospital. However, the patient accepted the situation and remained in hospital. She died there five months after re-admission.

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.

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 Head Office, Oakleigh, Reedley, Nr. Burnley.

Ambulance Service
 Care of the Aged in their own homes
 Care of Mothers and Young Children
 Child Welfare Centres
 Ante-natal Clinics
 Post-natal Care
 Dental Care
 Day Nurseries
 Care of Unmarried Mothers and their Children
 Problem Families
 Chiropody Service for the Aged, Handicapped Persons
 and Expectant Mothers
 Domiciliary Laundry Service
 Domiciliary Midwifery Service
 Health Visiting
 Home Help Service
 Home Nursing
 Immunisation and Vaccination
 Laundry Service for Incontinent Patients
 Mental Health Service
 National Assistance Act, 1948 - Welfare Services
 Residential Accommodation
 Short-stay Accommodation
 Registration of Private Homes for Disabled and
 Aged Persons
 Prevention of Illness - Care and After-care
 Health Education and Propaganda
 Care and After-care - Convalescence
 Tuberculosis - Provision of Extra Nourishment
 Home Help
 Health Visiting
 Protection of Children - B.C.G. Vaccination
 Loan of Nursing Equipment
 Night Helps and Evening Helps
 Welfare Services for Handicapped Persons
 Welfare of the Blind and Partially Sighted Persons
 Welfare of Deaf and Dumb Persons
 Welfare of Other Handicapped Persons (General Classes)

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

WEEKLY RATE OF CLAIMS TO SICKNESS BENEFIT

The Manager of the local office of the Ministry of Social Security has again co-operated in supplying me with particulars of the number of new claims to sickness benefits made through that office each week throughout the year. A small percentage of the total does not strictly apply to Nelson residents as claimants are entitled to use the Ministry Office most convenient to them.

New claims during the year almost exceeded the 13,000 mark, which was a decrease of around 2,500 on the total for the previous year, but still comparable with average figures.

Particulars supplied by the Ministry of Social Security Office are as follows:-

NATIONAL INSURANCE

NUMBER OF NEW CLAIMS PER WEEK - WORKING POPULATION

Week Ended:		1967	1966	Corresponding Week - Average 1962 - 1965 inclusive
January	3rd (2 weeks)	369	357	483
	10th	398	380	437
	17th	339	392	349
	24th	316	396	326
	31st	274	518	324
February	7th	303	794	305
	14th	309	1002	270
	21st	304	779	384
	28th	300	533	275
March	7th	322	361	294
	14th	296	301	311
	21st	277	281	311
	28th	173	270	264
April	4th	254	279	298
	11th	269	198	245
	18th	286	281	244
	25th	262	307	234
May	2nd	248	254	239
	9th	281	249	226
	16th	256	226	205
	23rd	275	234	215
	30th	226	207	210
June	6th	251	247	183
	13th	242	208	212
	20th	214	223	187
	27th	224	181	200
July	4th	167	208	167
	11th	63	78	64
	18th	115	150	128
	25th	228	217	228
August	1st	205	209	203
	8th	205	230	224
	15th	209	233	198
	22nd	214	218	230
	29th	220	187	211
September	5th	250	252	214
	12th	189	225	216
	19th	188	206	224
	26th	238	261	247
October	3rd	260	252	245
	10th	278	308	243
	17th	289	306	255
	24th	263	298	258
	31st	269	282	240
November	7th	266	311	237
	14th	261	304	272
	21st	272	346	272
	28th	265	296	260
December	5th	313	311	264
	12th	294	274	239
	19th	285	241	270
	26th	313	207	190

MONTHLY SUMMARY OF THE VETERAN'S BUDGET

Year Ended:		1967		1968	
Month		Actual	Estimated	Actual	Estimated
January	Jan (2 weeks)	100	100	100	100
February	Feb	100	100	100	100
March	Mar	100	100	100	100
April	Apr	100	100	100	100
May	May	100	100	100	100
June	Jun	100	100	100	100
July	Jul	100	100	100	100
August	Aug	100	100	100	100
September	Sep	100	100	100	100
October	Oct	100	100	100	100
November	Nov	100	100	100	100
December	Dec	100	100	100	100
Total		1200	1200	1200	1200

SECTION 2

PREVALENCE OF AND CONTROL OVER

INFECTIONS AND OTHER DISEASES

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

The incidence of these diseases during the year was quite small, there being only 57 notifications received, the smallest number for several years.

During April, an outbreak of suspected dysentery was reported at one of the Day Nurseries, many children with suspected symptoms having been sent home and instructions given to the parents to seek the advice of their own doctors. A list of all these children was obtained and the homes visited, further advice being given and in many cases samples of faeces were obtained for laboratory examination. Several of these samples, mostly from children who had not already commenced treatment, were found to be positive, *Shigella Sonnei* having been isolated. No child was allowed to return to the Nursery until shown to be free from infection by faeces examination and the outbreak was kept within the bounds of control.

Only one case of food poisoning was notified and this was confirmed by the laboratory report which showed the responsible organism to be *Salmonella Newport*. The vehicle of infection or source of contamination were not known, as the patient commenced with symptoms during a return flight from overseas and reported to her own local medical adviser on returning home.

There were 13 notifications of patients suffering from tuberculosis, 7 respiratory cases and 6 others. Included in these were 6 Commonwealth Immigrants, 2 of them respiratory cases and 4 others. The incidence rates were respiratory 0.23 per 1,000 population and non-respiratory 0.20 per 1,000, which were similar to national figures.

At year end there were 115 names on the Register of Tuberculous Patients, 86 respiratory cases (55 males and 31 females) and 29 non-respiratory cases (21 males and 8 females). This was an increase of 6 on the position at the commencement of the year, 14 new names (13 new patients and 1 inward transfer from another area) having been added whilst 8 were removed, 3 patients having recovered, 3 left the district and 2 having died from causes other than tuberculosis.

Administration of the tuberculosis scheme is carried out by the Regional Hospital Board and the Lancashire County Council. The visiting of tuberculous patients is an integral part of the general health visiting programme and patients are visited by Health Visitors of the Divisional Health staff who also attend the Chest Clinic where patients are seen by the Chest Physician. Reports on housing conditions and environment generally are furnished to the appropriate health departments.

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.

No patients were admitted during the year.

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 again several cases were discovered during the year 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 1967.

Comparison of 1967 figures with previous 5 years and average.

Monthly Incidence of Notified Cases during 1967.

Comparison of Case Rates for Nelson and National Rates during 1967.

Tuberculosis - Analysis of New cases and Deaths during 1967
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 1967.

CASES OF INFECTIOUS & OTHER NOTIFIABLE DISEASES
NOTIFIED DURING 1967

[illegible]

INFECTIOUS AND OTHER NOTIFIABLE DISEASES - NOTIFICATIONS

Comparison of 1967 figures with those of the previous 5 years and average

Notifiable Diseases	Notifications received during					Total for 5 yrs.	Average number per year	Notifications 1967
	1962	1963	1964	1965	1966			
Scarlet Fever	8	10	-	1	9	28	5.6	-
Whooping Cough	-	2	9	8	-	19	3.8	21
Acute Poliomyelitis -								
Paralytic	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-
Measles	82	231	198	94	462	1067	213.4	12
Diphtheria	-	-	-	-	-	-	-	-
Dysentery	17	7	20	5	1	50	10.0	10
Meningococcal Infections	-	-	-	-	-	-	-	-
Ophthalmia Neonatorum	1	-	-	-	1	2	0.4	-
Acute Pneumonia	3	1	-	3	1	8	1.6	-
Smallpox	-	-	-	-	-	-	-	-
Acute Encephalitis -								
Infective	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-
Enteric or Typhoid Fever	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-
Food Poisoning	16	14	11	-	4	45	9.0	1
Tuberculosis -								
Respiratory	21	3	11	5	6	46	9.2	7
Meninges & C.N.S.	-	-	-	-	-	-	-	-
Other	3	2	4	6	3	18	3.6	6
Puerperal Pyrexia	-	2	-	-	-	2	0.4	-
Malaria	-	-	1	-	-	1	0.2	-
Totals	151	272	254	122	487	1286	257.2	57

INFECTIOUS AND OTHER NOTIFIABLE DISEASES
MONTHLY INCIDENCE OF NOTIFIED CASES DURING 1967

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough	-	-	2	2	-	-	7	-	6	1	2	1	21
Acute Poliomyelitis -													
Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	5	1	2	3	1	-	-	-	-	-	-	-	12
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery	-	-	-	-	10	-	-	-	-	-	-	-	10
Meningococcal Infections	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis -													
Infective	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric or Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	1	-	-	-	-	-	-	-	1
Tuberculosis -													
Respiratory	-	1	1	-	-	-	1	2	-	1	1	-	7
Meninges & C.N.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	2	-	-	-	-	-	-	1	1	1	1	6
Puerperal Pyrexia	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	5	4	5	5	12	-	8	2	7	3	4	2	57

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

COMPARISON OF CASE RATES FOR CERTAIN DISEASES NOTIFIED DURING

THE YEAR 1967

Notifications (Corrected)	(1) England and Wales		(2) Nelson	
	Number of notifs.	Rate per 1,000 home population	Number of notifs.	Rate per 1,000 population
Typhoid Fever	138	0.003	-	-
Paratyphoid Fever	95	0.002	-	-
Meningococcal Infections	292	0.006	-	-
Scarlet Fever	19,302	0.399	-	-
Whooping Cough	33,530	0.693	21	0.69
Diphtheria	6	0.000	-	-
Erysipelas	1,420	0.029	-	-
Smallpox	1	0.000	-	-
Measles	460,223	9.511	12	0.39
Acute Pneumonia	5,970	0.123	-	-
Acute Poliomyelitis -				
Paralytic	16	0.000	-	-
Non-paralytic	3	0.000	-	-
Acute Encephalitis -				
Infective	103	0.002	-	-
Post Infectious	114	0.002	-	-
Dysentery	22,043	0.456	10	0.33
Food Poisoning	5,023	0.104	1	0.03
Puerperal Pyrexia	4,173	0.086	-	-
Tuberculosis -				
Respiratory	11,029	0.228	7	0.23
Meninges & C.N.S.	148	0.003	-	-
Other	2,046	0.042	6	0.20
Anthrax	19	0.000	-	-

Estimated Home Population (1) 48,390,800
(2) 30,630

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

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

ANALYSIS OF NEW CASES OF TUBERCULOSIS AND DEATHS FROM THE
DISEASE ACCORDING TO AGE GROUP AND SEX DURING 1967

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	-	-	-	-	-	-	-	-
15 to 19 years	-	-	1	-	-	-	-	-
20 to 24 years	-	-	1	-	-	-	-	-
25 to 34 years	1	-	2	-	-	-	-	-
35 to 44 years	1	2	-	-	-	-	-	-
45 to 54 years	-	-	1	-	-	-	-	-
55 to 64 years	2	-	-	1	-	-	-	-
65 to 74 years	1	-	-	-	-	-	-	-
75 and upwards	-	-	-	-	-	-	-	-
Totals	5	2	5	1	-	-	-	-
	7		6		-		-	

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

TUBERCULOSIS

PARTICULARS OF NEW CASES AND DEATHS OVER PERIOD OF 30 YEARS

1. NEW CASES

Year	Respiratory		Non-respiratory		Total	Rate per
	Male	Female	Male	Female		1,000 Population
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
1940	16	10	9	7	42	0.95
1939	10	6	6	13	35	1.01
1938	9	10	13	13	45	1.28

2. DEATHS

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
1940	7	6	2	-	15	0.44
1939	13	4	3	-	20	0.58
1938	5	9	2	2	18	0.51

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

TUBERCULOSIS

NUMBER OF CASES ON TUBERCULOSIS REGISTER DURING 1967

	Pulmonary			Non-Pulmonary			Total		
	M.	F.	Total	M.	F.	Total	M.	F.	Total
<u>Number of cases on register at commencement of year</u>	54	31	85	17	7	24	71	38	109
<u>Number of cases added to register during the year:-</u>									
(a) New Cases	5	2	7	5	1	6	10	3	13
(b) Inward transfers from other districts	-	1	1	-	-	-	-	1	1
<u>Total Cases</u>	59	34	93	22	8	30	81	42	123
<u>Number of cases removed from register during year:-</u>									
(a) Died	2	-	2	-	-	-	2	-	2
(b) Recovered	-	2	2	-	-	-	-	2	2
(c) Left District	2	1	3	1	-	1	3	1	4
<u>Total deletions</u>	4	3	7	1	-	1	5	3	8
<u>Number of cases on register at end of year</u>	55	31	86	21	8	29	76	39	115

SECTION D

S A N I T A R Y C I R C U M S T A N C E S O F T H E A R E A

WATER SUPPLY

The North Calder Water Board is the statutory water undertaker for the Borough. The moorland gathering grounds, covering an area of 5,000 acres, feed the Board's five storage reservoirs which have a combined capacity of 410m. gallons. In addition two boreholes have a potential of over a million gallons per day. There are three compensation reservoirs with a combined capacity of 135m. gallons and three service reservoirs which contain almost 12m. gallons. The total water storage capacity is in excess of 555m. gallons.

There are three water treatment plants at Barley, Coldwell and Lanesshaw where all raw water is filtered and chlorinated before going into supply. The area of supply is zoned according to locality and altitude to utilise the available head of water from the service reservoirs.

During the year water was supplied to an estimated population of almost 70,000 whose average daily consumption for domestic purposes was 31 gallons. In addition water supplied for manufacturing and trade purposes represented the equivalent of over 14 gallons per person per day. The quantity of water supplied per day on average was over 3m. gallons.

Throughout the year the water supply has been satisfactory in both quality and quantity. Raw water was submitted by the Board for bacteriological examination on 69 occasions and for chemical examination on 5 occasions, when every sample gave a satisfactory result. Of the 172 samples of treated water examined for bacteriological quality on behalf of the Board, all but one gave satisfactory results. Whilst all the eight samples submitted for chemical analyses gave satisfactory results.

Thirty samples of treated water from mains supplies were submitted by the Health Department for bacteriological examination and all returned satisfactory results. The waters are not plumbo-solvent in action and the fluoride content of the mains supply is not known. Piped water from the mains supply is provided to all but 23 houses within the Borough. These 23 houses, situated in the rural parts of the district and remote from mains supply, derive their water from individual private sources. Two new dwellings were connected to the public supply during the year when 112 yards of water main were laid. Extensions of mains to existing dwellings totalled 454 yards.

The number of houses within the Borough which have a restricted supply of water due to inadequate joint service pipes is not known. However, 133 houses which were previously on joint service pipes were re-serviced during the year. The extension of the schemes for re-servicing properties on such inadequate joint service pipes, together with the covering of the two service reservoirs which are at present open to the atmosphere and the consequent risk of pollution by both birds and animals, should be given preferential consideration in any schemes of improvement undertaken by the Board in the near future.

DRAINAGE AND SEWERAGE

All the urban areas of the district are served by sewers having an estimated daily dry weather flow of 1 $\frac{1}{2}$ m. gallons. Several isolated properties in the rural part of the district are not served by sewers and the emptying of pail and chemical closets is undertaken by the Cleansing Department. During the year 4 existing houses and one new house were connected to septic tank drainage. Eleven new houses were connected to the sewerage system.

The treatment of sewage, which is carried out under the control of the Borough Engineer and Surveyor, consists of screening, detritus tanks, sedimentation tanks, percolating filters and humus tanks. The final effluent, part of which is re-circulated, is either discharged into Pendle Water or pumped up to the Leeds and Liverpool Canal to replace water taken from the Canal at Huncoat Power Station. Storm water is discharged into the river after passing through settlement tanks. Sludge from the treatment process is stored in digestion tanks during the summer months and later utilised on agricultural land adjacent to the sewage works.

RIVERS AND STREAMS

The responsibility for dealing with water courses lies with the Lancashire Rivers Authority.

SANITARY ACCOMMODATION

No. of privy middens.....	3
No. of closets attached to these middens.....	3
No. of pail closets.....	19
No. of movable dustbins, etc.	13,093
No. of waste water closets.....	2,911
No. of fresh water closets.....	10,409

Conversions during 1966:-

No. of privy closets to fresh water closets.....	Nil
No. of privy closets to pails, etc.	Nil
No. of pail closets to fresh water closets.....	Nil
No. of waste water closets to fresh water closets..	224
No. of premises at which movable dustbins, etc., were substituted for fixed receptacles.....	Nil

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

There were 22 dwellings not on the water carriage system.

PUBLIC CLEANSING

With a staff of 75, the Director of Cleansing is responsible for the collection and disposal of house and trade refuse, street cleansing, the maintenance of public conveniences, rodent control, the provision and repair of Corporation transport, and the maintenance of a vehicle testing station approved by the Minister of Transport. The Cleansing Department also undertakes, at the request of owners or occupiers, the cleansing and repair of drains, and drainage work generally, but especially in connection with the conversion or abolition of waste water closets.

Household refuse is collected, as far as circumstances permit, at weekly intervals. Trade refuse, for the collection of which a charge is made, is also picked up at weekly intervals, whilst butchers and greengrocers can have a twice weekly collection service of putrescible refuse, containers being provided by the Cleansing Department. Traders may also take their own refuse to the tip, when a charge of 2/- a ton is levied. During 1966, 7,643 tons of refuse were collected, equal to about 5 cwt. per person. Altogether, 12,695 tons of refuse were disposed of last year.

Dustbins are provided free of charge to dwellings, renewals being effected out of the rate fund. All refuse was disposed of by controlled tipping on land adjoining Swinden Estate.

PUBLIC HEALTH INSPECTIONS

During the year, 5,775 premises of various types were subjected to visits on 7,701 occasions. Defects discovered amounted to 624, of which 467 were remedied. Informal notices were served in respect of 181 premises, and statutory notices were served in respect of 59 premises, 31 of which were served in relation to defective drainage.

The number of complaints investigated by the Department again remained at a reasonably high level. Defective drainage, together with the associated complaints of water in cellars increased over the previous year. The powers to repair defective drains in default which are given to the Council under Sections 17 and 18 of the Public Health Act, 1961 were used extensively. The use of these powers, together with the grant provided by the Council for the conversion of waste water closets, resulted in the conversion of a number of these obsolete closets in tenanted houses where they receive the most abuse. The cause of blockages in these closets is often beyond imagination. Over the year two buckets, a cot mattress, a foot ball and a five gallon oil drum have been recovered from the shafts of blocked waste water closets.

Vacant properties which are quickly turned into derelict properties by vandals, continue to be used as dumping grounds for rubbish. The Council have purchased and demolished several of these derelict properties over the year, only to find that the cleared sites have been used as reception areas for old beds, mattresses and other unwanted furniture. The identity of the offenders remains anonymous. In a bid to arrest the number of such complaints, publicity was given to the free service given by the Cleansing Department for the removal of unwanted household effects. This has had limited success.

	<u>INSPECTIONS</u>	<u>RE-INSPECTIONS</u>
Animal Boarding Establishments.....	1	-
Bakehouses.....	107	11
Boiler plants inspected.....	1	1
Butchers' shops.....	111	10
Closets, water.....	21	28
Closets, waste water.....	39	43
Cold stores.....	14	-
Complaints received.....	367	470
Complaints confirmed.....	243	48
Drains inspected.....	45	55
Drains colour test.....	97	176
Drains defective.....	72	157
Educational talks given.....	4	-
Fish frying establishments.....	89	7
Food (preserved) manufacturers.....	73	3
Food catering establishments.....	130	13
Food shops and warehouses.....	116	21
Factories (A) power.....	13	2
Factories (B) non-power.....	24	19
Fishmongers' shops.....	47	-
Houses defective.....	153	465
Houses detailed inspection.....	27	79
Ice-cream manufacturers.....	26	1
Ice-cream retailers.....	5	-
Infectious/notifiable diseases.....	34	284
Insect infestations.....	50	20
Interviews.....	237	-
Markets.....	94	-
Meat and food inspections.....	236	-
Meat and food condemnations.....	198	-
Meetings with owners.....	90	4
Meetings with contractors.....	31	9
Miscellaneous.....	294	5

	<u>INSPECTIONS</u>	<u>RE-INSPECTIONS</u>
Notices served:		
Verbal.....	20	-
Informal.....	161	-
Statutory P.H.A.	59	-
Offensive accumulations.....	38	102
Offices, Shops and Railway Premises Act:		
Inspections.....	59	79
Visits.....	154	40
Pet Stores.....	7	-
Public Houses.....	9	12
Rats and mice.....	26	13
Samples submitted:		
Ice-cream.....	19	-
Milk (Biological test).....	58	-
Milk (Methylene blue test).....	53	-
Milk (phosphatase test).....	15	-
Milk (Turbidity test).....	6	-
Milk (Brucella Infection).....	94	-
Water, etc.	80	-
Other Foods.....	7	-
Schools.....	-	172
Slaughterhouses.....	222	-
Shops Act.....	-	1
Smoke Control:		
Interviews.....	1013	-
Visits.....	3619	335
Smoke Observations.....	7	4
Verminous premises.....	15	4
Water Supply.....	5	5
Waste Water Closet Conversions.....	107	136

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Inspections and re-inspections of premises registered under the Act continued during the year, when 332 visits were undertaken. Sixteen new registrations were accepted during the year, but with eighteen premises ceasing to be registrable, the net decrease was two registrations, making a total of 333 premises on the register at year end.

REGISTRATIONS AND GENERAL INSPECTIONS

Class 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	3	72	28
Retail shops	10	225	101
Wholesale shops and warehouses	3	20	5
Catering establishments and canteens	-	16	4
Fuel storage depots	-	-	-
Totals	16	333	138

Number of visits of all kinds by Inspectors to registered premises - 332

ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISES
BY WORKPLACE

Class of Workplace	Number of persons employed
Offices	388
Retail shops	888
Wholesale departments and warehouses	225
Catering establishments and canteens	173
Fuel storage depots	-
Total	1674
Total Males	685
Total Females	989

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 127 defects found and 312 defects remedied during 1967:

Type of Defect	Found	Remedied
<u>Cleanliness</u>		
Dirty walls and/or ceiling	1	1
Defective ceiling plaster	-	1
Dirty floor	1	3
<u>Overcrowding</u>		
Absence of seating facilities	1	3
<u>Temperature</u>		
Absence of indicating thermometer	20	45
Inadequate heating	2	6
<u>Ventilation</u>		
Inadequate ventilation	1	-
<u>Lighting</u>		
Inadequate lighting	1	9
<u>Sanitary Accommodation</u>		
Absence of separate sanitary accommodation	2	6
Defective door	-	1
Absence of door lock	2	1
Lack of artificial lighting	5	15
Lack of intervening ventilated space	-	2
Lack of indicating signs	1	6
Dirty water closet compartment	2	12
Defective water closet pedestal	-	1
Defective water closet seat	1	3
Absence of toilet paper	1	1

Type of Defect	Found	Remedied
Defective wall plaster to waste water closet compartment	1	-
<u>Washing Facilities</u>		
Absence of wash-hand basin	3	4
Absence of hot water	2	10
Defective sink waste pipe	1	-
<u>Drinking Water</u>		
Inadequate supply	-	1
<u>Floors, passages and stairs</u>		
Dangerous yard surface	1	1
Dangerous floor	7	13
Dangerous floor covering	3	17
Dangerous staircase	-	1
Defective stair treads	2	3
Absence of handrail	4	17
Unguarded open steps	1	1
Obstruction of stairway/passage	3	8
Absence of artificial lighting	1	3
<u>Machinery</u>		
Dangerous electricity cable	1	-
Absence of guard to 'fridge' motor	-	2
Dangerous machine	2	7
<u>First Aid</u>		
Absence of complete first aid box	22	47
<u>Information for employees</u>		
Absence of abstract of Act	31	60

Seven notices of accidents were received during the year, all of which were non-fatal. Three of these accidents occurred to employees at the same wholesale warehouse; two accidents caused by employees tripping resulted in bruised legs whilst the third resulted in a septic finger following a cut by a piece of baling wire. The remaining four accidents affected females engaged in retail shops and all were due to falls which caused bruising, a fractured limb and in one instance concussion.

ATMOSPHERIC POLLUTION

On September 1st the No. 2 Smoke Control Order became operative. This area embraces approximately 1200 dwellings and when considered along with the No. 1 Smoke Control Area, covers about one-sixth of the properties in the Borough.

At that time the final accounts for the Number 1 Smoke Control Area were finalised. It was of interest to find that at each privately owned house where work was carried out, the average cost in grant was almost £19 and at each Council owned house, the average cost in grant was £29/5/-. The approved expenditure for private houses worked out at £14/6/8 per house when all the privately owned houses in the area were taken into account.

On the 17th October the No. 3 Smoke Control Order was confirmed by the Minister of Housing and Local Government to come into operation on September 1st 1968. This area contained 1,950 dwellings, including a large percentage of tenanted properties. Up to the year end it was noted that no proposals for firegrate alterations had been submitted by the owners on behalf of these properties. However, applications for grant approval were showered on the department from residents in the area as a whole and it was noted that during the first three months of confirmation over 800 proposals were submitted for consideration. Of course this flood of paper work does reduce to some extent but is replaced by an increase in personal callers.

The successful administration of a progressive smoke control programme embracing large areas of the town makes heavy demands on the time of all members of the staff.

Is Smoke Control work worthwhile? Comments made by residents in the No. 1 Smoke Control Area are very favourable. Glowing reports of the increased cleanliness which is apparent on paintwork, curtains, furnishings and the fabric of buildings are being made regularly to representatives of this Department.

On the industrial front, the reduction of atmospheric pollution continued. Two underloaded, coal fired Lancashire boilers with sprinkler stokers were replaced by oil fired package boilers. In addition, the sprinkler stokers on two further Lancashire boilers were replaced by a low-ram coking stoker and an underfeed stoker. Further schemes for the replacement of coal fired Lancashire boilers with modern package boilers were discussed between representatives of this Department and the managements concerned.

SWIMMING BATHS AND POOLS

The three public swimming baths and pools are owned by the Corporation. An open air pool is maintained at Marsden Park, and is in use throughout the season. All-the-year-round bathing facilities are provided in the Public Baths in Bradley Road, where, in addition to eighteen slipper baths, there are two plunge baths with a total capacity of 92,000 gallons. At both premises the necessary changing rooms, etc. are provided.

At the Open Air Pool the treated town mains water supply is used, and continuous filtration is in operation. This is based on a six-hourly cycle.

Town mains water is also used at the Public Baths. Filtration, by alumina ferric and common soda, and continuous flow chlorination, is carried out at the rate of 400 gallons per minute, giving an average turnover of $4\frac{1}{2}$ hours. This cycle can be speeded up on either bath if necessary.

Tests are made several times per day to ensure a chlorine content of 0.3 - 0.5 p.p.m. and a pH value of 6.9 - 7.2.

Bacteriological examination of samples of bath water was carried out on 51 occasions, when all but three samples yielded satisfactory results.

DISINFESTATION

Disinfestation is mainly directed against household pests such as cockroaches. Treatment was carried out at 5 houses after the discovery of bugs or fleas and 86 houses, including 5 local authority houses, were treated following complaints of cockroaches, silver fish, wasp nests and crickets.

This service is carried out by the Department and is free in respect of dwelling houses. For any person wishing to carry out their own treatment supplies of insecticidal powder are also available free of charge.

RODENT CONTROL

One full-time rodent operative is employed by the Director of Cleansing, and the following table shows the work undertaken in this connection during the year.

	Type of Property	
	<u>Non-agricultural</u> Dwelling-houses	<u>Agricultural</u>
No. of properties in district.....	13,673	41
No. of properties inspected.....	417	-
No. of properties inspected which were found to be infested by:		
Rats.....	123	-
Mice.....	280	-
Total number of properties inspected for rats and/or mice for reasons other than notification.....	-	-
No. of properties infested by -		
Rats.....	-	-
Mice.....	-	-

SCHOOLS

Conditions at the 24 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 on Register	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.....	13	15	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the Local Authority.....	128	43	2	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).....	2	-	-	-
Totals	143	58	2	-

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).....	1	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...	-	-	-	-	-
(c) Not separate for sexes....	-	-	-	-	-
Other offences against the Act (not including offences relating to out-work).....	2	2	-	-	-
Totals	3	3	-	-	-

No notification of outworkers was 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.

DISEASES OF ANIMALS

The officers appointed under the Act are members of the Lancashire Constabulary, and Chief Superintendent Beardsworth reports no cases of animal disease occurred in the district during the year. There were 123 Movement Licences issued.

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

Whilst the abolition of all waste water closets remains at present high on the list of sanitary requirements for the area, this is being steadily rectified. As previously reported, the £10 grant helped house owners to convert 22⁴ waste water closets to fresh water closets during the year. There is no doubt that there is a need for water closets on ground floor level in the case of children and aged people.

However, the progressive improvement of the sanitary and ablution facilities in all houses within the district, whether they be owner-occupied or tenanted, must also be considered as a sanitary requirement. The implementation of the improvement area procedure whereby all houses within a specified area are, by compulsion and grant aid, provided with a bathroom containing a water closet, bath and wash basin should be given serious consideration.

HOUSING

During the year 180 dwellings were inspected for housing defects, when 93 were found to be not in all respects reasonably fit for human habitation by reason of the 345 defects found. In connection with housing matters a total of 240 notices were served, 59 of these being statutory notices of which 31 related to drainage. Defects remedied during 1967 numbered 248.

An Official Representation in respect of the properties in Seldon Street/Harvey Street, the eleventh post-war clearance area, was finally accepted by the Council in November. This had been represented as unfit for human habitation in mid-1965.

The following table shows defects found and remedied.

	<u>Found : Remedied</u>		<u>Found in 1966</u>
	<u>During 1967</u>		<u>Remedied in 1967</u>
<u>Roofs, Etc.</u>			
Defective roof.....	22	8	-
Defective chimney.....	12	7	1
Defective eavesgutters.....	32	14	-
Defective rainwater downspout....	39	7	-
<u>Walls, external</u>			
Defective pointing.....	7	3	-
Defective damp-proofing.....	11	5	-
<u>Doors</u>			
Defective door/door frame.....	10	-	2
Defective weather-bar.....	11	1	2
<u>Windows</u>			
Defective window frame/sashes....	20	4	4
Defective pointing.....	12	2	-
Broken sashcords.....	3	1	1
Broken glazing.....	2	1	-
<u>Ceilings</u>			
Defective ceiling plaster.....	8	3	-
<u>Walls, internal</u>			
Defective wall plaster.....	24	3	-
<u>Floors</u>			
Defective flag floor.....	4	-	-
Defective wood floor.....	8	3	1
<u>Staircases</u>			
Defective handrail.....	1	-	-
Defective staircase.....	2	-	-
<u>Firegrates, flues, etc.</u>			
Defective fireback.....	4	1	-

	<u>Found : Remedied</u>		<u>Found in 1966</u>
	<u>During 1967</u>		<u>Remedied in 1967</u>
<u>Sinks, baths, etc.</u>			
Defective sink.....	4	2	-
Defective sink waste pipe...	17	9	-
Defective tap.....	-	-	1
Leaking water pipes.....	2	2	-
<u>Drainage</u>			
Defective drainage.....	7	7	1
Defective dishbrick.....	2	2	-
Obstructed drainage.....	26	26	-
<u>Sanitary accommodation</u>			
Defective roof.....	6	2	1
Defective wall.....	7	-	-
Defective door frame.....	8	-	-
Defective/absent closet seat	4	3	-
Defective water closet flush	2	1	-
Dirty water closet pedestal.	1	-	-
<u>Yards</u>			
Defective yard surface.....	6	1	-
Defective yard steps.....	-	-	1
Defective yard walls.....	4	1	-
Defective yard gate.....	4	1	-
<u>Miscellaneous</u>			
Premises not secure against trespass.....	3	3	1
Accumulation of refuse.....	11	6	-
Defective fuel store door...	2	-	-
Dangerous electric lighting.	1	1	-

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.....	11	-
Total number of dwellings owned by any local authority, existing in district at end of year.....	1655	
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).....	180	
(b) Number of inspections, formal or informal, made for the purpose.....	724	
(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.....	93	
(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).....	77	
(b) Demolition, Clearance or Closing Orders have not yet been made.....	16	

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	12	-	-
(2) Houses included by reason of bad arrangements, etc.	-	-	-
(3) Houses on land acquired under S. 43(2), Housing Act, 1957.....	-	-	-

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.....	-	-	-
(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.....	-	-	-

<u>Unfit Houses Closed:-</u>	<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>By Owner</u>	<u>By Local Authority</u>
(1) By owner after informal action by local authority...	-	-
(2) After formal notice under S.9 and S.16, Housing Act, 1957.....	-	-
(3) After formal notice under Public Health Acts.....	-	-

Unfit houses in Temporary Use (Housing Act, 1957):-

<u>Position at end of year:-</u>	<u>No. of Houses</u>	<u>No. of separate dwellings contained</u>
		<u>in column (1)</u>
	<u>(1)</u>	<u>(2)</u>
(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.....	-	-

Purchase of Houses by Agreement:-

	<u>No. of Houses</u>	<u>No. of occupants of houses in</u>
		<u>Col. (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 Act, 1949 and Housing (Financial Provisions)
Act, 1958 - Improvement Grants, etc.

Action during year:-	<u>No. of dwellinghouses or other buildings affected in schemes of -</u>	
	<u>Private bodies or individuals</u>	<u>Local Authority</u>
(i) Submitted by private individuals to local authority..	9	-
(ii) Approved by local authority.	9	-
(iii) Submitted by local authority to Ministry.....	-	33
(iv) Finally approved by Ministry	-	-
(v) Work completed.....	4	17
(vi) Additional separate dwellings included in (v) above.....	-	-
(vii) Any other action taken under the Acts.....	-	-

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

Action during year:-	<u>No. of Dwellings or other buildings affected</u>
(a) Applications submitted to local authority for improvement to:-	
(1) Full standard.....	269
(2) Reduced standard.....	-
(b) Total applications approved by local authority for improvement to:-	
(1) Full standard.....	269
(2) Reduced standard.....	-
(c) Work completed.....	236
(d) Particulars of any action taken relating to compulsory improvement of dwellings.....	-

SUFFICIENCY OF SUPPLY OF HOUSES

At the end of the year, the Rate Book showed that a total of 400 houses were vacant. These were in the main the older, stone built terraced houses which are the type of houses likely to remain empty, especially when subjected to extensive vandalism. It is a situation which is perhaps unique throughout the country.

There were 1,655 Council owned dwellings at year end, for which there were 523 active applications, over one third of the applications being for old folks' bungalows.

The following table shows the requirements of applicants for Council dwellings.

	<u>At Commencement of 1967</u>	<u>At end of 1967</u>
Number of active applications...	444	523
<u>Type of house required</u>		
(a) Two bedroomed type.....	108	147
(b) Three bedroomed type.....	142	189
(c) Four bedroomed type.....	-	-
(d) Old Folks' bungalows.....	158	153
(e) Flats.....	8	22
(f) Disabled Persons' bungalows	14	12

OVERCROWDING

There were no cases of alleged overcrowding reported during the year.

MILK SUPPLY

Milk sampling continued during the year, when 251 samples of retailed milk were taken by officers of the Lancashire County Council and your own officers. Eighty-one of these samples were examined by the County Analyst: none were deficient in fat or non-fatty solids, but one sample was found to contain penicillin, and the offending producer was prosecuted. Milk samples taken by this Department are shown in the table below.

Total no. of samples submitted for Biological examination 151	Results		
	Positive	Negative	No Result
(i) Tuberculosis.....	-	25	15
(ii) Brucellosis - Ring Test.....	18	111	22
(iii) Brucellosis - Culture Test.....	5	14	13
(iv) Brucellosis - Biological Test...	6	19	7

Samples submitted for Statutory Tests	No. of samples	Results		
		Satisfactory	Unsatisfactory	Void
Raw Milk:-				
(i) Methylene Blue Test	58	45	13	-
Heat Treated Milk:-				
(i) Methylene Blue Test	17	17	-	-
(ii) Phosphatase Test	17	17	-	-
(iii) Turbidity Test	7	7	-	-
(iv) Colony Count Test	-	-	-	-

FOOD INSPECTION

Various food stuffs containing foreign bodies were brought to the Department during the year for examination by the County Analyst.

Complaints of the sale of unsound food, particularly in relation to products of the baking industry, increased. Following one such complaint, legal proceedings were instituted against a retailer for the sale of a mouldy meat and potatoe pie. The shopkeeper, who pleaded guilty, was fined £5 with £7/2/- costs.

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

Type of Food	Containers	Tons	Cwts.	Qrs.	Lbs.	Ozs.
Meat	417	7	1	10	3 $\frac{1}{2}$	
Fruit	178	2	3	5	4 $\frac{1}{2}$	
Vegetables	492	5	1	23	1	
Fish	185		3	6	0 $\frac{1}{2}$	
Milk	6			6	14	
Miscellaneous	360	2	0	25	4 $\frac{1}{2}$	
Totals	1638	18	2	23	11 $\frac{1}{4}$	

MEAT INSPECTION

The 100% inspection of meat and offal at the one private slaughterhouse was maintained during the year when 3,538 animals were inspected, a decrease of one third on the previous year's figure. Income to the local authority for meat inspection services decreased by £41 to £127.6.9.

	Cattle excl. cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed.....	323	35	2	2933	245
Number inspected.....	323	35	2	2933	245
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI:					
Whole carcasses condemned.....	-	-	-	10	-
Carcasses of which some part or organ was condemned.....	161	25	1	1027	25
Percentage of number inspected affected with diseases other than Tuberculosis and Cysticerici.....	49.8%	71.4%	50.0%	35.4%	10.2%
TUBERCULOSIS ONLY:					
Whole carcasses condemned.....	-	-	-	-	-
Carcasses of which some part or organ was condemned.....	-	-	-	-	1
Percentage of number inspected affected with Tuberculosis.....	-	-	-	-	0.4%
CYSTICERCI:					
Carcasses of which some part or organ was condemned.....	1	-	-	-	-
Carcasses submitted to treatment by refrigeration.....	1	-	-	-	-
Generalised and totally condemned.....	-	-	-	-	-

Meat and offal found to be diseased or parasitic amounted to just under 1 ton 18½ cwt.

FOOD PREMISES

770 visits were made during the year to premises where food is handled, when the following contraventions were noted.

	<u>Found : Remedied</u>	<u>Found in 1966</u>	
	<u>During 1967</u>	<u>Remedied in 1967</u>	
<u>Structural defects</u>			
Defective wall surface.....	10	5	4
Defective door.....	2	-	-
Defective ceiling.....	2	1	3
Defective floor.....	8	6	1
Defective water closet compartment walls.....	1	-	-
Absence of intervening ventilated space.....	1	-	6

	<u>Found : Remedied</u>		<u>Found in 1966</u>
	<u>During 1967</u>		<u>Remedied in 1967</u>
<u>Hygiene defects</u>			
Dirty rear yard.....	5	4	-
Unhygienic practices.....	9	5	9
Accumulation of refuse.....	4	1	1
Defective water closet.....	3	-	-
Defective sink.....	3	1	4
Defective sink waste pipe.....	2	1	1
Absence of wash hand basin.....	3	1	1
Insufficient hot water supply.....	1	-	2
Absence of soap, nailbrush, towel.	2	2	2
Want of redecoration.....	23	7	9
Dirty floor.....	3	3	3
Dirty equipment.....	13	3	3
Defective equipment.....	5	2	1
Inadequate food protection.....	4	-	2
Inadequate clothing locker.....	1	-	3
Dirty water closet compartment....	1	1	1
Unnecessary materials in food room	4	4	-
Animals in food room.....	3	3	1
Rodent infestation.....	2	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.....	161
Greengrocers and fruiterers (including those selling wet fish, game, etc.).....	41
Fishmongers (including those selling poultry, game, etc.).....	3
Meat shops (butchers, purveyors of cooked and preserved meats, tripe, etc.).....	55
Bakers and/or confectioners.....	66
Fried fish shops.....	25
Shops selling mainly sugar confectionery, minerals, ice-cream, etc.	67
Licensed premises, clubs, canteens, restaurants, cafes, snack bars and similar catering establishments.....	53
Others.....	11

No. of food premises registered

<u>Type of business</u>	<u>Legislation under which Registration effected</u>	<u>No. registered at end of year</u>	<u>No. of inspections of registered premises during year</u>
Butchers	Lancs. Cty. Cl.	35	59
Bakers and Confectioners/Mixed	(Rivers Bd. and	50	81
Baking and Catering/Cafe	General Powers)	1	4
Mixed and Grocery	Act, 1938 - s.	7	23
Fish friers	116 or Food and	-	-
Cooked Meats, etc.	Drugs Act, 1955,	5	19
Ice-cream manufacturers	s. 16.	5	26
	Totals	103	212

FOOD AND DRUGS ACT, 1955

I am indebted to Dr. S. C. Gawne, 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 151 samples were obtained, comprising 81 milk samples (8 of which were Channel Island Milk samples) and 70 others as follows:-

1 Liquid Coffee and Chicory Essence	1 Sarsaparilla Cordial
2 Margarine	1 Cooking Fat
1 Cooking Fat	2 Cocoa
1 Pie Filling, Canned	2 Lard
2 Self-Raising Flour	2 Dried Fruit
2 Bacon	1 Plain Flour
1 Baking Powder	1 Sauce
1 Dried Parsley	2 Soup Powder
1 Beef Sausage	1 Butter
1 Thyme and Parsley Stuffing	2 Lemonade
1 Anadin Tablets	2 Pickles
1 Baby Food (Fortified Groats)	1 Borax
1 Canned Tomatoes	1 Indigestion Lozenges
1 Meat and Vegetables, Canned	1 Cough Lozenges
1 Saccharin Sodium Tablets	2 Fresh Pears
2 Ice-Cream	1 Pork Sausage
2 Table Jelly	1 Beef Sausage
2 Dried Vegetables	1 Ground Almonds
1 Semolina Milk Pudding, Canned	1 Sago
4 Fresh Pork	1 Tea
1 Pickling Spice	1 Condensed Milk, Full Cream, Unsweetened
1 Salt	1 Olive Oil B.P.
1 Synthetic Cream	1 Sweetening Tablets
3 Gin	1 Rice
2 Whisky	1 Boric Acid Crystals
1 Brandy	

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>
Formal Milk	Contained 0.5 International Unit penicillin per ml.	Prosecution - Fined £10. Cost:- £11.
Lemonade	Saccharin 0.010% (70 grains per 10 galls). Maximum limit 0.008%.	Manufacturer communicated with
Lemonade	Saccharin 0.009% (63 grains per 10 galls). Maximum limit 0.008%.	Manufacturer communicated with
Pork Sausage	Contained only 52% meat and contained 95 parts per million of sulphite preservative (expressed as sulphur dioxide) without declaration. The sausage and other Meat Product Regulations 1967 will require 65% meat in pork sausage.	Vendor cautioned
Beef Sausage	Contained 290 parts per million sulphite preservative (expressed as sulphur dioxide) without declaration.	Vendor cautioned
Ground Almonds	Acid value of extracted oil 9.7. Flavour of almonds little affected.	Remaining stock used as quickly as possible. Warden of Home for the Aged informed.

ICE CREAM

Eleven samples of locally manufactured ice cream were submitted for bacteriological examination and five failed to give a satisfactory result. This position was rectified as subsequent samples showed, following advice to manufacturers by representatives of this Department regarding improved cleaning and manufacturing techniques.

EGG PASTEURISATION PLANTS

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

INDEX

Acknowledgements	13
Acts and Byelaws, Local	5
Aged Persons, Welfare of	54
Animals, Diseases of	80
Atmospheric Pollution	77
Barometric Pressure	23
Birth Rate (1967)	30, 35, 36, 37, 38
Birth Rates (1938-1967) Nelson and National	37
Births	30, 31
Byelaws and Acts, Local	5
Cancer Deaths (1967)	44
Cancer Death Rates (1960-1967)	44, 45
Chief Sanitary Requirements of the District	80
Climatological Conditions	17
Common Lodging Houses	80
Contents, List of	9
Deaths	30, 32, 35, 36, 39
Deaths, Ages at, Summary of	46
Deaths, Ages at, Percentage, Summary of	47
Deaths, Age Groups as percentages of totals (1920-1967)	51
Deaths, Cancer, (1967) According to age groups and location of growth	44
Deaths, Cancer Rates, (1960-1967)	45
Deaths, Causes of and Rates (1967)	39, 40
Deaths, Causes of and Rates (1960-1966)	41
Deaths, Infant	30, 33, 35, 36, 43
Deaths, Infant, Causes and Ages	43
Deaths in Hospitals and Institutions, Etc. (1967)	49
Deaths in Hospitals and Institutions, Etc. (1954-1967 with averages)	50
Deaths in Nelson & Outward & Inward Transferable Deaths in percentage comparison with nett deaths, (1933-1967)	48
Deaths, Maternal	33, 35, 36
Deaths, Monthly Analysis	46
Deaths, Principle Causes (1960-1967)	42
Death Rates	30, 32, 35, 36, 37, 38, 39, 41
Death Rates (1938-1967) Nelson and National	37
Deaths, Summary of Ages at Death	46
Disinfection After Infectious Diseases	62
Disinfestation	78
Drainage and Sewerage	72
Egg Pasteurisation Plants	92
Factories Acts	79
Food and Drugs Act, 1955 - Sampling	90
Food Inspection	88
Food Inspection and Supervision	87
Food Premises	89
Food Premises, Defects	89
Food Premises, Registered	90
Food Premises, Types in district	90
Health Committee	3
Health Services, General Provision for the Area	53
Health Services, Other	55
Hospitals	54
Hospital Accommodation for Infectious Diseases	61
Houses, Sufficiency of Supply	85
Housing	81
Housing, Defects	82
Housing, Statistics	83
Humidity	25
Ice Cream	92
Infant Deaths	30, 33, 35, 36, 43
Infant Mortality Rate	30, 33, 35, 36, 37, 38
Infectious Diseases, Cases Notified 1967	63
Infectious Diseases, Case Rate Comparison with England and Wales	66

Infectious Diseases, Comparisons and averages - 5 years	..	..	..	64
Infectious Diseases, Disinfection After	..	..	..	62
Infectious Diseases, Hospital Accommodation	..	..	..	61
Infectious Diseases, Monthly Incidence	..	..	..	65
Infectious Diseases, Prevalence and Control Over	..	..	..	59
Infectious Diseases, Tuberculosis	..	..	..	67
Inspection and Supervision of Food	..	..	..	87
Inspection of Meat	..	..	..	89
Inspections, Public Health	..	..	..	74
Introductory Letter	..	..	..	9
Laboratory Facilities	..	..	..	54
Live Birth Rate	..	..	30, 35, 36, 37, 38	
Live Births	..	..	..	30, 31
Local Acts and Byelaws	..	..	..	5
Meat Inspection	..	..	..	89
Milk Supply	..	..	..	88
Mortality Rate, Cancer (1960-1967)	..	..	..	44, 45
Mortality Rate, Early Neo-natal	..	..	..	30, 35, 38
Mortality Rate, Infant	..	..	..	30, 33, 35, 36
Mortality Rates (1938-1967) Nelson and National	..	..	..	37
Mortality Rate, Maternal	..	..	..	33, 35, 36, 37, 38
Mortality Rate, Neo-natal	..	..	..	30, 35, 36
Mortality Rate, Peri-natal	..	..	..	30, 35
National Assistance Acts, 1948 and 1951 - S.47	..	..	..	55
Offensive Trades	..	..	..	79
Offices, Shops and Railway Premises Act, 1963	..	..	..	75
Registrations & General Inspections	..	..	..	75
Analyses of Persons Employed in Registered Premises	..	..	..	76
Defects Found and Remedied	..	..	..	76
Other Health Services	..	..	..	54
Overcrowding	..	..	..	85
Population	..	..	..	31
Public Cleansing	..	..	..	73
Public Health Act, 1936 - Section 172	..	..	..	61
Public Health Inspections	..	..	..	74
Rag Flock & Other Filling Materials Act	..	..	..	80
Rainfall	..	..	..	25, 27, 28, 29
Rivers and Streams	..	..	..	73
Rodent Control	..	..	..	79
Sanitary Accommodation	..	..	..	73
Sanitary Circumstances of the Area	..	..	..	71
Schools	..	..	..	79
Sickness Benefit - Weekly Returns and Comparisons	..	..	..	56
Social and Industrial Conditions	..	..	..	16
Staff of Public Health Department	..	..	..	7
Statistics and Social Conditions of the Area	..	..	..	15
Still Birth Rate	..	..	..	30, 31, 36
Still Birth Rates (1938-1967)	..	..	..	37
Still Births	..	..	..	30, 31
Sunshine	..	..	..	26, 27, 29
Swimming Baths and Pools	..	..	..	78
Temperatures, Thermometer Readings and Mean Temperatures	..	..	..	24, 29
Tuberculosis, Cases on Register (1967)	..	..	..	69
Tuberculosis, New Notifications (1967)	..	..	..	67
Tuberculosis, New Notifications and Deaths (1967)	..	..	..	67
Analysis, age group and sex	..	..	..	68
Tuberculosis, New Notifications and Deaths over 30 years	..	..	..	55
Tuberculosis Service	..	..	..	61
Tuberculosis, Public Health Act, 1936 - Section 172	..	..	..	54
Venereal Diseases, Clinics	..	..	..	30
Vital Statistics	..	..	..	31
Vital Statistics - Comments on	..	..	..	37
Vital Statistics (1967) Comparison with England and Wales	..	..	..	36
Vital Statistics (1967) and previous 10 years, with averages	..	..	..	37
Vital Statistics, 30 years and comparison with National Rates	..	..	..	34 to 51
Vital Statistics, Various Tables	..	..	..	38
Vital Statistics, Health Division No. 6 & Burnley C.B.	..	..	..	72
Water Supply	..	..	..	54
Welfare of the Aged	..	..	..	





