

[Report 1967] / Medical Officer of Health, Thornton Cleveleys U.D.C.

Contributors

Thornton (Lancashire, England). Urban District Council.

Publication/Creation

1967

Persistent URL

<https://wellcomecollection.org/works/ramqvcmz>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



II



THORNTON CLEVELEYS
URBAN DISTRICT COUNCIL

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR
1967



THORNTON CLEVELEYS
URBAN DISTRICT COUNCIL

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR
1967



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b30186298>

THORNTON CLEVELAYS
URBAN DISTRICT COUNCIL

HEALTH COMMITTEE - 1967

CHAIRMAN:

Councillor Mrs. F. Hull, J.P.

VICE-CHAIRMAN:

Councillor F. W. Gillibrand

- o o o -

Councillor W. A. DAWS

Councillor A. FEENEY

Councillor A. L. HACKETT

Councillor S. HARDMAN

Councillor J. G. MOORE

Councillor T. WARD

- o o o -

CHAIRMAN OF THE COUNCIL

Councillor Mrs. I. Cass.

- o o o -

PUBLIC HEALTH OFFICERS

MEDICAL OFFICER OF HEALTH

JOHN E. MORRIS. B.Sc.; M.B.; B.Ch.; D.P.H.; D.I.H.; D.C.H.

CHIEF PUBLIC HEALTH INSPECTOR
AND CLEANSING OFFICER

ARTHUR EDWARD BARNES, M.R.S.H., M.P.H.I.A., M.I.P.C.
(Certified Meat and Food Inspector)

DEPUTY CHIEF PUBLIC HEALTH INSPECTOR:

KENNETH ERNEST EMERY
M.R.S.H.; M.P.H.I.A.;
Food Hygiene Diploma -
Royal Society of Health
Certified Meat and Food
Inspector.

PUBLIC HEALTH INSPECTOR AND SHOPS
INSPECTOR:

NORMAN THORPE
Cert. P.H.I.E.B.; M.P.H.I.A.;
Certified Meat and Food
Inspector

PUPIL PUBLIC HEALTH INSPECTOR:

ARNOLD EARL PORTER

CHIEF CLERK:

MISS S.A. SIMCOCK

JUNIOR CLERK:

MISS L. ORMESHER

MEDICAL OFFICER'S REPORT

Council Offices,
THORNTON CLEVELEYS.

TO THE CHAIRMAN AND MEMBERS OF THE
THORNTON CLEVELEYS URBAN DISTRICT COUNCIL.

Madam Chairman, Ladies and Gentlemen,

I have the honour to present to you the Annual Report of the Medical Officer of Health for the year 1967.

The vital statistics for the area remained generally satisfactory during the year. There was an outbreak of Sonne Dysentery during the year, affecting mainly children at one County Primary School in the district. A total of 162 persons in all were infected and again this outbreak resulted in a considerable amount of additional work having to be undertaken by the Chief Public Health Inspector and his staff. I would also like to take this opportunity to thank the Health Visitors from the Thornton School Clinic for their assistance during this outbreak.

My thanks are again due to my colleagues in the Health Department for their loyalty and assistance.

To you, Madam Chairman and members of the Health Committee, my appreciation of the encouragement and support afforded to me.

I am,

Ladies and Gentlemen,

Yours faithfully,

J. E. MORRIS.

Medical Officer of Health.

V I T A L S T A T I S T I C S

HOME POPULATION (Registrar-General's Estimate mid 1967) 24,430

LIVE BIRTHS:								M.	F.	Total
Legitimate ..	..	..	..	..	..	..	..	183	184	367
Illegitimate ..	..	..	..	..	..	..	..	16	13	29
								199	197	396

Live Birth Rates per 1,000 of Population:-

Crude Rate ..	..	..	..	..	..	..	..	..	..	16.2
Adjusted Rate ..	..	..	..	..	..	..	..	..	..	27.2
Illegitimate live births per cent of total live births	..	..	..	..	..	..	..	..	..	7.3

DEATHS (ALL CAUSES)								M.	F.	Total
Number Registered ..	..	..	..	..	..	..	..	222	187	409

Death Rate per 1,000 of Population:-

Crude Rate ..	..	..	..	..	..	..	..	..	..	16.7
Adjusted Rate ..	..	..	..	..	..	..	..	..	..	10.2

STILLBIRTHS								M.	F.	Total
Legitimate ..	..	..	..	..	..	..	..	1	2	3
Illegitimate ..	..	..	..	..	..	..	..	1	1	2
								2	3	5

Rate per 1,000 total births 12.0

MATERNAL MORTALITY

Number of deaths registered ..	..	..	..	..	..	..	..	..	..	Nil
Maternal mortality Rate per 1,000 total births	..	..	..	..	..	..	..	..	..	Nil

INFANT MORTALITY

Number of Deaths registered under 1 year:-								M.	F.	Total
Legitimate ..	..	..	..	..	..	..	..	3	6	9
Illegitimate ..	..	..	..	..	..	..	..	-	-	-
								3	6	9

Rate per 1,000 Live Births 17.7

NEO-NATAL

Number of Deaths registered (under 4 weeks):-								M.	F.	Total
Legitimate ..	..	..	..	..	..	..	..	3	4	7
Illegitimate ..	..	..	..	..	..	..	..	-	-	-
								3	4	7

Rate per 1,000 Live Births 18.0

Number of Deaths Registered (under 1 week):-								M.	F.	Total
Legitimate ..	..	..	..	..	..	..	..	3	3	6
Illegitimate ..	..	..	..	..	..	..	..	-	-	-
								3	3	6

Rate per 1,000 Live Births 15.0

VITAL STATISTICS - CONTINUED

- 5 -

	PER 1,000 OF ESTIMATED POPULATION					Maternal Mortality Rate	Infantile Mortality Rate
	Live Birth Rate (Crude)	Crude Death Rate	Death Rate from T.B. of Respiratory system	Death Rate from Cancer	Per 1,000 Live Births	Per 1,000 Live Births	
Mean of 5 years							
1962-66	15.5	17.2	0.05	3.02	Nil	15.0	
1966	17.0	17.4	Nil	3.22	Nil	20.0	
1967	16.2	16.7	Nil	2.21	Nil	17.7	
Increase or Decrease							
In 1967 on 5 years							
Average:							
1962-66	+0.7	-0.5	-0.05	-0.81	Nil	+2.7	
On Previous Year							
1966	-0.8	-0.7	-0.05	-1.01	Nil	-2.3	

1967 - Adjusted Birth Rate (Comparability factor 1.37) = 22.2
 1967 - Adjusted Death Rate (Comparability factor 0.61) = 10.2

BIRTH, DEATH & INFANTILE MORTALITY RATES (ADJUSTED)

Year	Birth Rate	General Death Rate	Infantile Mortality Rate
1960	15.0	14.4	19
1961	15.0	15.2	26
1962	14.4	16.0	10
1963	18.3	13.6	18
1964	19.4	13.5	11
1965	17.6	12.2	15
1966	23.2	10.8	20
1967	22.2	10.2	17

STATISTICAL SUMMARY

Area in statute acres	3,355
Population (1964 Census)	22,020
Population (Estimated mid 1967)	24,430
Density of Population per acre	7.2
Estimated number of inhabited houses (Dec. 1967)	10,227
Average number of persons per house	2.3
Rateable Value	£1,317,637
Sum represented by a Penny Rate	£5,410
Live Births	396
Live Birth Rate per 1,000 Population (adjusted)	22.2
Still Births	5
Still Birth Rate per 1,000 live and still births	12
Total live and still births	401
Total Deaths	409
Death Rate per 1,000 Population (adjusted)	16.7
Infant Deaths (under 1 year)	9
Infant mortality rate per 1,000 live births (total)	22.7
Infant mortality rate per 1,000 live births (legitimate)	24.5
Infant mortality rate per 1,000 live births (illegitimate)	15.1
Neo-natal mortality rate per 1,000 live births (first 4 weeks)	17.6
Early Neo-natal mortality rate per 1,000 live births	15.1
Maternal deaths (including abortion)	Nil
Maternal mortality rate per 1,000 live and still births	Nil
Respiratory Tuberculosis Rate per 1,000 Population	Nil
Cancer Death Rate (Malignant Neoplasm)	2.21
Influenza Death Rate	Nil
Pneumonia (all forms) Death Rate	0.57
Other Respiratory diseases (all forms)	0.16

LOCAL ACTS IN FORCE IN THE DISTRICT DEALING WITH SANITARY ADMINISTRATION

Thornton Urban District Council Act	31st July, 1923
Thornton Cleveleys Improvement Act	31st July, 1936
Lancashire County Council (General Powers) Act	1951

BYE-LAWS

New Streets and Buildings	1926 & 1937
Building Bye-Laws (Public Health Act, 1936)	1954
Pleasure Grounds	1938
Bye-Laws under Sec. 15 - Food and Drugs Act, 1938	1950
Bye-Laws under Sec. 81 - Public Health Act, 1936	1951
Bye-Laws under Sec. 61 - Public Health Act, 1936 and Sec. 24 - Clean Air Act, 1956	1959

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT

By the Lancashire (Central and Western Areas) Review Order, 1934 a part of the Township of Carleton, containing 354 acres, was added to the Urban District on the 1st April, 1934. The district is bounded on the West by the Irish Sea; on the East by the River Wyre; on the North by the Borough of Fleetwood and on the South by the County Borough of Blackpool.

GEOLOGY

The general sub-soil of the district is clay which is over-laid with a thick layer of alluvial deposit (blue silt), varying in thickness from four to eight feet. On top of this is a thin layer (about four inches) of peaty matter. This was found in considerable thickness in Butts Road (North Ward) and also in Fleetwood Road (East Ward). On top of this again is a layer of sandy soil or a mixture of soil and clay, varying in thickness from two and a half feet to four feet. The surface covering is about six inches in thickness. From above downward we get:- (1) surface covering; (2) mixture of soil and clay or sandy soil; (3) peat; (4) silt, (5) boulder clay.

CLIMATE

The prevailing wind is a westerly sea breeze and together with the usually mild winters, produces a temperate and very bracing climate.

AREA AND DETAILS OF POPULATION

As previously mentioned, the area of Thornton Cleveleys was increased by the inclusion of a part of the Parish of Carleton, on the 1st April, 1934, the total area now being given as 3,355 acres.

The average number of persons per acre is 7.2.

WARD BOUNDARIES

The Ward Boundaries were altered during 1963 and two new Wards were formed, namely North Central and South Central. The new Wards are now as follows:-

<u>NORTH WARD</u>	The number of houses in North Ward is:	1,933
<u>NORTH CENTRAL WARD:</u>	The number of houses in North Central Ward is:	1,760
<u>SOUTH WARD:</u>	The number of houses in South Ward is:	1,516
<u>SOUTH CENTRAL WARD:</u>	The number of houses in South Central Ward is:	1,575
<u>EAST WARD:</u>	The number of houses in East Ward is:	1,978
<u>WEST WARD:</u>	The number of houses in West Ward is:	1,465

SOCIAL CONDITIONS, INDUSTRIES, ETC.

During the last few years, the Cleveleys portion of the district has rapidly developed as a seaside holiday resort and with the additional amenities now provided, together with the activities of private builders, the district as a whole has greatly benefited.

The largest employers of labour within the district are the Imperial Chemical Industries, Ltd., who have large chemical and plastic Works on the Northern boundary. There is still a large portion of the district devoted to agriculture. Many people are employed at the Offices of the Ministry of Social Security which are situated in our area.

INQUESTS AND INQUIRIES

During the year there were 45 Inquests on persons dying in this area, as follows:-

	<u>YEARS</u>	<u>CAUSES OF DEATH</u>
<u>NORTH WARD:</u>		
1. Male	43	Subarachnoid Haemorrhage.
2. Female	72	Congestive Heart Failure.
3. Female	67	Ventricular fibrillation due to shock when clothing caught fire - Misadventure.
4. Male	68	Broncho Pneumonia.
5. Male	2	Drowning - Misadventure
6. Male	86	Coronary Thrombosis.
7. Male	77	Chronic Bronchitis and Emphysema aggravated by War Service.
8. Female	60	Ruptured Myocardial Infarct due to Coronary Thrombosis.
9. Female	75	Acute Pulmonary Oedema.
10. Male	30	Multiple Injuries due to cast iron tank falling on him - Misadventure.
<u>NORTH CENTRAL WARD:</u>		
11. Male	71	Acute left Ventricular Failure.
12. Male	65	Congestive Heart Failure.
13. Male	65	Coronary Occlusion.
14. Male	50	Coronary Thrombosis.
<u>SOUTH WARD:</u>		
15. Male	50	Barbiturate Poisoning due to an overdose of Capsules - Misadventure.
16. Male	69	Asphyxia due to Drowning.
17. Female	83	Acute Pulmonary Oedema.
18. Male	71	Coronary Thrombosis.
19. Male	72	Coronary Thrombosis.
20. Male	74	Acute left Ventricular Failure.
21. Female	1 month	Acute Broncho Pneumonia.
22. Female	73	Acute Gastro-Enteritis.
23. Female	68	Coronary Thrombosis.
<u>SOUTH CENTRAL WARD</u>		
24. Male	68	Acute left Ventricular Failure.
25. Female	79	Pulmonary Embolism.
26. Male	78	Acute left Ventricular Failure.
27. Male	65	Coronary Occlusion
28. Male	16	Multiple Injuries due to Road Accident - Misadventure.
29. Male	82	Coronary Occlusion.
<u>EAST WARD</u>		
30. Male	84	Coronary Thrombosis.
31. Male	82	Ischaemic Myocardial Fibrosis.
32. Female	81	Lobar Pneumonia.

INQUESTS AND INQUIRIES (continued)

<u>EAST WARD (continued)</u>	<u>YEARS</u>	<u>CAUSES OF DEATH</u>
33. Male	59	Multiple Injuries due to Road Accident - Misadventure.
34. Male	58	Coronary Thrombosis.
35. Female	13	Fractured skull due to Road Accident - Misadventure.
36. Female	75	Coal Gas Poisoning - Misadventure.
37. Male	67	Coal Gas Poisoning - Misadventure.
 <u>WEST WARD</u>		
38. Male	57	Road Accident - Misadventure.
39. Female	70	Acute left Ventricular Failure.
40. Female	81	Cardiac Infarction.
41. Male	58	Asphyxia due to inhalation of vomitted food - Misadventure.
42. Male	70	Ruptured Aneurysm of Abdominal Aorta - Natural Causes.
43. Female	75	Acute Asthmatic Bronchitis.
44. Male	85	Congestive Heart Failure.
45. Female	68	Coronary Thrombosis.

V I T A L S T A T I S T I C S

BIRTHS

During the year 396 births were recorded by the Registrar-General, comprising 199 males and 197 females.

Birth Rate for district (adjusted): 22.2 per 1,000 as against 23.2 for 1966.

Still-births: 12.0 per 1,000 (live and still) births.

DEATHS

Based on a population of 24,430, the Registrar-General gives the Death Rate (adjusted) as 16.7 compared with 10.8 for 1966.

The allocation to the various wards of the district (after excluding transferable deaths and including local residents dying outside the district) is as follows:-

<u>WARD</u>	<u>MALES</u>	<u>FEMALES</u>	<u>TOTAL</u>
North	34	31	65
North Central	59	30	89
South	22	30	52
South Central	39	34	73
East	33	23	56
West	35	39	74
	<u>222</u>	<u>187</u>	<u>409</u>

DEATH RATE PER 1,000 OF POPULATION FOR:

(1)	Influenza	Nil
(2)	Other Respiratory Diseases (all forms)	0.16
(3)	Pneumonia (all forms)	0.57
(4)	Tuberculosis - Pulmonary	Nil
(5)	Tuberculosis - Non-Pulmonary	Nil
(6)	Malignant Neoplasm - (Cancer)	2.21

AGES AT DEATH

							<u>Males</u>	<u>Females</u>	<u>Total</u>
Under 1 week	..	..	..	..	..	..	3	3	6
Under 4 weeks of age	..	..	..	..	..	..	3	4	7
Under 1 year of age	..	..	..	..	..	..	3	6	9
TOTAL UNDER 1							9	13	22
1 - 4 years	..	..	..	..	..	..	1	-	1
TOTAL UNDER 5							10	13	23
5 - 14 years	..	..	..	..	..	..	1	-	1
15 - 24 years	..	..	..	..	..	..	5	1	6
25 - 44 years	..	..	..	..	..	..	2	2	4
45 - 64 years	..	..	..	..	..	..	46	22	68
65 years and over.	..	..	..	..	..	..	158	149	307
TOTAL-ALL AGES							222	187	409

CAUSES OF DEATH

							<u>Males</u>	<u>Females</u>	<u>Total</u>
Syphilitic Disease	..	..	..	..	..	..	3	-	3
Malignant Neoplasm, Stomach	..	..	..	..	..	..	7	3	10
Malignant Neoplasm, Lung, Bronchus	..	..	..	..	..	..	10	3	13
Malignant Neoplasm, Breast	..	..	..	..	..	..	-	3	3
Malignant Neoplasm, Uterus	..	..	..	..	..	..	-	3	3
Other Malignant & Lymphatic Neoplasms	..	..	..	..	..	..	10	12	22
Leukaemia and Aleukaemia	..	..	..	..	..	..	2	1	3
Vascular lesions of nervous system	..	..	..	..	..	..	27	38	65
Coronary disease, angina	..	..	..	..	..	..	62	28	90
Hypertension with heart disease	..	..	..	..	..	..	4	2	6
Other heart disease	..	..	..	..	..	..	32	38	70
Other circulatory disease	..	..	..	..	..	..	9	11	20
Gastritis, Enteritis and Diarrhoea	..	..	..	..	..	..	-	3	3
Pneumonia	..	..	..	..	..	..	6	8	14
Bronchitis	..	..	..	..	..	..	14	4	18
Other diseases of Respiratory System	..	..	..	..	..	..	2	2	4
Ulcer of Stomach and duodenum	..	..	..	..	..	..	1	1	2
Hyperplasia of prostate	..	..	..	..	..	..	2	-	2
Nephritis and Nephrosis	..	..	..	..	..	..	2	-	2
Congenital malformations	..	..	..	..	..	..	1	1	2
Other defined and ill-defined diseases	..	..	..	..	..	..	14	15	29
Motor Vehicle Accidents	..	..	..	..	..	..	4	3	7
All other accidents	..	..	..	..	..	..	10	8	18
TOTAL ALL CAUSES:-							222	187	409

There were 446 cases of Infectious Disease notified during the year, as against 92 cases during 1966 and were as follows:-

	Total Cases Notified
Measles	151
Scarlet Fever	13
Chicken Pox	103
Pulmonary Tuberculosis	5
Non-Pulmonary Tuberculosis	-
Erysipelas	1
Whooping Cough	11
Dysentery	162
	<u>446</u>

The distribution in relation to the various Wards of the district is as follows:-

	N.	N.C.	S.	S.C.	E.	W.	Total
Measles	46	28	16	20	37	4	151
Scarlet Fever	2	1	4	1	3	2	13
Chicken Pox	26	22	26	9	16	4	103
Pulmonary Tuberculosis	1	-	3	-	-	1	5
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	1	1
Whooping Cough	5	2	1	1	2	-	11
Dysentery	12	123	1	18	3	5	162
	<u>92</u>	<u>176</u>	<u>51</u>	<u>49</u>	<u>61</u>	<u>17</u>	<u>446</u>

FOOD POISONING OUTBREAKS

No. of Cases	No. of Deaths	Organisms or other agents responsible	Food Involved
-	-	-	-

CASES NOTIFIED

AGE PERIODS

DISEASE	Under 1 yr.	1+	2+	3+	4+	5-9	10-14	15-19	20-34	35-44	45-65	Over 65	Not Known	TOTAL
Measles	4	12	17	24	27	67	-	-	-	-	-	-	-	151
Scarlet Fever	-	-	-	-	1	9	3	-	-	-	-	-	-	13
Chicken Pox	-	8	8	12	12	54	1	2	5	-	1	-	-	103
Pulmonary Tuberculosis	-	-	-	-	-	-	-	1	1	2	1	-	-	5
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Whooping Cough	3	1	1	2	1	3	-	-	-	-	-	-	-	11
Dysentery	4	6	3	11	16	75	6	5	17	15	1	-	3	162
TOTAL:	11	27	29	49	57	208	10	8	23	17	3	-	4	446

CASES NOTIFIED

The following Table shows the number of cases and the months in which they were notified:-

DISEASE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL
Measles	70	40	22	1	1	1	-	1	10	5	-	-	151
Scarlet Fever	3	1	-	2	2	1	-	-	1	1	2	-	13
Chicken Pox	7	12	23	9	2	1	2	3	3	8	12	21	103
Pulmonary Tuberculosis	1	-	-	2	-	-	-	-	-	1	1	-	5
Erysipelas	-	-	-	-	-	-	-	-	-	1	-	-	1
Whooping Cough	2	5	-	-	-	-	-	2	2	-	-	-	11
Dysentery	-	-	-	-	28	130	1	3	-	-	-	-	162
TOTAL:	83	58	45	14	33	133	3	9	16	16	15	21	446

TUBERCULOSIS

The following Table shows the age periods of the cases notified and deaths which have occurred:-

	NEW CASES						DEATHS					
	PULMONARY			NON-PULMONARY			PULMONARY			NON-PULMONARY		
	MALES	FEMALES		MALES	FEMALES		MALES	FEMALES		MALES	FEMALES	
1 - 5 yrs.	-	-		-	-		-	-		-	-	
5 -10 yrs.	-	-		-	-		-	-		-	-	
10-15 yrs.	-	-		-	-		-	-		-	-	
15-20 yrs.	-	1		-	-		-	-		-	-	
20-25 yrs.	-	-		-	-		-	-		-	-	
25-35 yrs.	1	-		-	-		-	-		-	-	
35-45 yrs.	1	1		-	-		-	-		-	-	
45-55 yrs.	-	-		-	-		-	-		-	-	
55-65 yrs.	-	1		-	-		-	-		-	-	
65 yrs. & over	-	-		-	-		-	-		-	-	
TOTAL:	2	3		-	-		-	-		-	-	

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR.

TO THE CHAIRMAN AND MEMBERS OF THE
THORNTON CLEVELEYS URBAN DISTRICT COUNCIL.

Madam Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the Public Health and Cleansing Department for the year 1967.

The department has continued to take an interest in all matters which could affect the public health of the inhabitants of the district. Constant and regular attention has been given to all premises on which food is manufactured or prepared for sale and the operation of the Food Hygiene Regulations must continue to be an important part of our work.

Every effort has been made to try to persuade owners to take advantage of grants which are available to provide the standard amenities to those houses not possessing them. Some progress has been made in this respect and it is estimated that there are less than 230 houses without all the standard amenities. Many of these 230 houses possess one or more of the amenities. These figures are based on a recent survey.

Over 2,000 inspections were carried out during the year in connection with an outbreak of Sonne Dysentery which occurred during the months of May and June. Many of these visits had to be made outside normal working hours.

The Cleansing Services were carried out satisfactorily during the year. The provision of a larger capacity vehicle assisted very much and another was ordered for delivery early 1968. The rounds were re-organised and an incentive bonus scheme was introduced for refuse collectors and this came into operation on the 1st May. On the 1st December an incentive bonus scheme was introduced for the collection, baling and disposal of wastepaper.

In conclusion, I wish to thank the Chairman and Members of the Health Committee and Council, for their helpful co-operation and continued interest in all public health matters concerning the welfare of the district.

I also tender my grateful thanks to the administrative and technical staff for their loyalty and support during the year.

I am,
Madam Chairman, Ladies and Gentlemen,

Yours faithfully,

A.E.BARNES.

Chief Public Health Inspector & Cleansing Officer.

SANITARY CIRCUMSTANCES IN THE AREA.

WATER SUPPLY.

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft and of a peaty nature. Only one outlying house depends on well water.

Eight samples of water were taken by this department from the mains supply. Five were submitted for bacteriological examination and three for chemical analysis. All samples were satisfactory.

Twenty-six samples of mains water were taken by the Fylde Water Board and the following information has been supplied by them.

No. of samples taken...	26
No. free from Coliform organism ...	26
% satisfactory. ...	100

Aerobic micro-organisms growing in Yeastral Agar:

No. of colonies per ml. of sample -	
In 2 days @ 37°C...	1
In 3 days @ 22°C...	3

No complaints were received during the year with respect to the water supply.

From information received from the Fylde Water Board, the fluoride content of all the water supplied is less than 0.01 p.p.m. as F.

STATISTICS.

Total number of houses supplied by Fylde Water Board...	10,226
Total number of houses dependent upon well water... ..	1
	<hr/>
	10,227
	<hr/>

The only house in the district dependent upon well water is remote from a mains supply and it would be an advantage if this house could be connected to the mains supply. This question is still being pursued.

TYPICAL CHEMICAL ANALYSIS OF THE FYLDE WATER SUPPLY.

	<u>Summer Supply.</u>	<u>Winter Supply.</u>
Appearance.	CLEAR & BRIGHT.	CLEAR & BRIGHT.
Colour (Hazen p.p.m. Pt)	3	3
Turbidity (p.p.m. Silica)	Nil	Nil
Odour.	Nil	Nil
Taste.	Normal.	Normal.
Reaction pH value.	7.8	7.8
	p.p.m.	
Residual Chlorine.	0.15	0.15
Free & Saline Ammonia as N ₂	0.01	0.10
Albuminoid Ammonia as N ₂	0.02	0.03
Nitrous Nitrogen as N ₂	Nil	Nil
Nitric Nitrogen as N ₂	0.34	0.34
Oxygen absorbed 4 hrs. @ 27°C.	0.43	0.37
Free Acidity as CO ₂	Less than 5	Less than 5
Carbonate Hardness as CaCO ₃	62	20
Total Hardness as CaCO ₃	80	42
Non-carbonate Hardness as CaCO ₃	18	22
Excess Alkalinity as Na ₂ CO ₃	Nil	Nil
Calcium as CaCO ₃	59	34
Magnesium as CaCO ₃	21	8
Total Solids dried at 180°	136	85
Chloride as Cl.	16	14
Sulphate as SO ₄	22	19
Lead as Pb.	Less than 0.05	Less than 0.05
Manganese as Mn.	Nil	Negligible
Copper as Cu.	Nil	Nil
Iron as Fe.	Negligible	0.05
Aluminium as Al.	0.08	0.11
Fluoride as F.	Less than 0.10	Less than 0.10

DRAINAGE AND SEWERAGE.

Owing to the flat nature of the district, a system of electrical pumps and ejectors worked by compressed air, is in operation. The sewage is discharged near dead low water mark into the sea. No extensive additions were made to the sewers during the year but additions were made to drain new housing estates.

Sanction has been received in respect of substantial improvement to the surface water drainage in the district and also in regard to improvements and alterations to pumping stations and the foul sewerage system.

STATISTICS.

Dwelling-houses using water carriage system...	10,219
Dwelling-houses using privy middens...	-
Dwelling-houses using pail closets ...	7
Dwelling-houses dependent upon well water. ...	1

CONVERSIONS DURING YEAR.

There were three conversions during the year and were in respect of the conversion of pail closets to fresh water closets. The sewers need to be extended before it is possible for further conversions to take place. There are now eight houses without modern sanitary accommodation and these are mostly farms or outlying cottages and to which no sewers are yet available. The sewer was extended during the year in one part of the Thornton area thus allowing the conversion of the three pail closets mentioned above.

DRAINAGE.

The department employs a man part-time on drainage work, the cost of clearing and cleansing the blocked drains being borne by the owner or occupier. This service to the public is much appreciated and also helps in the efficient working of the department. Preparation and service of notices is thus avoided unless the blockage is due to structural defect of the drains.

PUBLIC CLEANSING.

The work of the Public Cleansing section of the department has proceeded in a satisfactory manner. Collection of refuse was carried out by two S.D.diesel fore and aft tippers and one 35 cu.yd. Pakamatic vehicle. Wastepaper was collected weekly by a "W" type S.D.diesel fore and aft tipper.

The vehicles used in the department are as under:-

- S.D.1. "W" type fore and aft tipper..... Licensed April,1957.
- S.D.2. "W" type fore and aft tipper..... Licensed March,1958.
- S.D.3. "TW" type diesel fore and aft tipper... Licensed March,1961.
- S.D.4. "TW" type diesel fore and aft tipper... Licensed Sept. 1962.
- S.D.5. "TZ" type diesel Pakamatic type..... Licensed March,1967.

S.D.1. was used as a spare vehicle and for breakdowns. Towards the end of the year an order was placed for an additional 35 cu. yd. Pakamatic vehicle to replace S.D.vehicles 1 and 2 and it is hoped to carry out the cleansing work by the employment of these two 35 cu. yd. Pakamatic vehicles and one T.W. type diesel fore and aft tipper, and the collection of wastepaper by a TW type diesel fore and aft tipper.

Consideration was given to the system of using bulk containers at many shop and hotel premises and at the end of the year it was decided to have S.D.4. converted by the manufacturers to a bulk loading vehicle. This will assist the work of the department as it is also the Council's intention to place bulk containers in various parts of the district to comply with the requirements of the Civic Amenities Act and this vehicle will be used for the emptying of these containers.

Costings - Refuse Collection (Year Ending 31.3.68)

	£		£
Total gross cost involved - collection of house, shop and trade refuse.....			26,386
Net cost of salvage: Sales... £2,531			
Cost.... £2,502	29 Cr.		29 Cr.
			26,357
Income - Trade Refuse, etc.....			494
			25,863
Expenditure per 1,000 houses per annum.....			£2,529
Expenditure per 1,000 population per annum.....			£1,059

DISPOSAL OF REFUSE.

Until October, 1965, all the refuse collected was disposed of by controlled tipping methods, on land owned by the Council at the River Wyre foreshore. This site has now been completed and the whole of the land reclaimed. It could be made suitable for recreational purposes as the Council wish to decide. In addition to providing tipping facilities for refuse, this land can be a valuable asset in the future.

From October, 1965, the refuse was disposed of on land at Bourne Hall, which was purchased for this purpose. This tip was completed in May, 1967 and from June, 1967, tipping facilities were shared with a neighbouring authority along with the costs involved. This is a very helpful arrangement and will provide us with tipping space for many years to come.

Costings - Refuse Disposal (Year Ending 31.3.68)

Number of loads.....	2,447
Estimated weight (tons).....	8,565
Total Cost (net)..... (Includes £664 Plant).....	£2,889
Cost per ton.....	6/8d.
Cost per 1,000 houses per annum.....	£280
Cost per 1,000 population per annum.....	£119

Costings - Refuse Collection & Disposal (Year Ending 31.3.68).

Total Cost.....	£28,752
Cost per 1,000 houses per annum.....	£2,811
Cost per 1,000 population per annum.....	£1,177

COLLECTION AND DISPOSAL OF SALVAGE.

The Council continued with the collection of wastepaper salvage during the year but in May, 1967, the price dropped by 10/- per ton to £8. 2. 6d. Since fire destroyed the baling shed in September, 1964, a garage in the Council's Depot was used for this purpose. A new baling shed was erected at the beginning of the year in the Council's Depot and this is very satisfactory.

Thanks are due to all the workmen engaged in refuse and salvage collection and disposal, for the co-operation they have given during the year.

SALVAGE DISPOSED OF DURING THE YEAR ENDING 31st DECEMBER, 1967.

	tons.	cwts.	lbs.	£.	s.	d.
Wastepaper (baled)...	307.	6.	28.	2,550.	13.	3.

REFUSE COLLECTION STATISTICS.

	1967
Estimated tonnage collected...	9,114
Total mileage run by vehicles...	26,038
Number of visits to premises...	518,297
Number of ash bins emptied ...	576,006

EMPLOYEES.

Foreman...	1
Motor Drivers...	4
Refuse and Salvage Collectors...	15
Paper Balers...	1

TOTAL: 21

The above figures show the minimum labour requirements of the department at present, but it is necessary from time to time to increase this labour force due to the growth of the number of houses in the district and the fact that during the holiday period, additional collections have to be given. We have now reached the stage when the labour force and number of vehicles will have to be increased so as to meet the increasing demands made on the service. The cost of the collection of refuse is kept under constant review or it could become a very expensive item.

As a result of work study on refuse collection, an incentive bonus scheme came into operation on the 1st May, 1967. This is based on the number of premises in the district and is adjusted each month as the number of premises increases.

Again, as a result of work study, a salvage bonus scheme was introduced in respect of the paper salvage collector and baler. This came into operation on the 1st December, 1967, and is based on the amount of paper collected by the Paper Company during the month.

I think that these bonus schemes will eventually prove beneficial both to the workmen and the department.

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL.

<u>MONTH.</u>	<u>LOADS.</u>	<u>MILEAGE.</u>	<u>VISITS TO PREMISES.</u>	<u>ASHBINS EMPTIED.</u>
January.	220	2,037	39,003	41,845
February.	223	1,939	39,274	41,814
March.	250	2,338	49,133	53,035
April.	204	1,523	39,577	43,197
May.	195	1,992	40,683	44,486
June.	254	2,641	50,596	56,190
July.	187	1,874	39,373	44,182
August.	254	2,762	50,301	57,329
September.	193	2,099	38,763	46,607
October.	193	2,009	40,465	46,139
November.	236	2,607	50,543	56,491
December.	195	2,217	40,586	44,691
	<u>2,604</u>	<u>26,038</u>	<u>518,297</u>	<u>576,006</u>

It is established that the vehicles have an average load capacity of 3 tons 10 cwts.

The mileage run by the cleansing vehicles was an increase over the previous year of just over 2,000 miles. The visits to premises and number of bins emptied were also higher than the previous year.

PUBLIC CONVENIENCES.

From the 1st April, 1964, the department was responsible for the cleansing and maintenance of all Public Conveniences. The following is a list of such Conveniences as at 31st December, 1967. They are cleansed by one man part-time in winter and full-time in summer; one lady supervisor full-time and one lady cleaner full-time. As the number of conveniences increases, the question of additional labour will have to be considered.

SITUATION.	ACCOMMODATION FOR FEMALES.	ACCOMMODATION FOR MALES.
Arena, Cleveleys.	6 WCs. 2 wash-hand basins with hot & cold water.	3 WCs. & urinal; 2 wash-hand basins with hot & cold water.
* Bathing Station, Cleveleys.	9 WCs. 2 wash-hand basins with hot & cold water.	4 WCs. & urinal; 2 wash-hand basins. Cold water only.
Jubilee Gardens, Cleveleys.	10 WCs. (6 unused). 2 wash-hand basins. Hot water at only 1, cold at other.	5 WCs. (3 unused) & urinal. 2 wash-hand basins. Hot water at 1, cold at other.
* Jubilee Gardens, Bowling Green, Cleveleys.	2 WCs.	1 WC. and urinal.
Bus Station, Cleveleys.	3 WCs. (one unused). 2 wash-hand basins with hot & cold water.	2 WCs. & urinal. 2 wash-hand basins with hot & cold water.
Victoria Square, Cleveleys.	2 WCs. 2 wash-hand basins. Cold water supply only.	1 WC. and urinal.
* Ashdell Bowling Green, Thornton.	3 WCs. 1 wash-hand basin. Cold water supply only.	2 WCs. & urinal. 1 wash-hand basin. Cold water supply only.
Four Lane Ends, Thornton.	3 WCs. 1 wash-hand basin with hot & cold water.	2 WCs. & urinal. 1 wash-hand basin with hot & cold water.
Gamble Road, Thornton.	1 WC.	1 WC. and urinal.
River Wyre Foreshore, Thornton.	2 WCs. 2 wash-hand basins with hot & cold water.	1 W.C. and 2 urinals. 2 Wash-hand basins with hot and cold water.

* Not in use during winter months.

It was decided by the Council that during the coming year, the Gamble Road conveniences should be replaced by more satisfactory ones in a better position adjacent to the main road. It was also agreed that new conveniences should be provided adjacent to Kenyon Park, Thornton and at the end of the year both the park and the conveniences were under construction. In common with other authorities, we suffered a great deal of damage at the public conveniences and this vandalism causes extra work and also increases the cost of maintaining them.

SANITARY INSPECTIONS.

The following table shows the number of inspections carried out during the year:--

Number of premises visited...	5,271
Number of defects or nuisances discovered ...	632
Number of defects or nuisances abated ...	630
Number of Informal Notices served ...	20
Number of Statutory Notices served...	3
Number of complaints received and investigated...	420

Work carried out.

Sanitary accommodation and Drainage:

Drains cleansed from obstruction. ...	369
Drains relaid and new chambers built. ...	15
Defective traps repaired. ...	1
Inspection chambers & manhole covers provided ...	3
Defective W.Cs. and cisterns repaired ...	3
Water closets reconstructed.. ...	1
Wastepipes repaired and made to discharge to gully...	1

Housing:

Rising and penetrating dampness eradicated...	5
Eavesgutters repaired ...	1
Walls repaired and rendered.. ...	8
Roofs repaired and made waterproof...	4
Floors relaid and repaired...	4
Walls and ceilings repaired.. ...	2
Defective spouting repaired or replaced.. ...	4
Chimney pots repointed...	1
Defective doors repaired. ...	2
Windows repaired. ...	11
Improvements in houses in Multi-occupation...	4

Miscellaneous:

Offensive accumulations removed and land cleared. ...	38
Food Hygiene Regulations - Items completed...	14
Caravans removed from land...	2
Factories Act - work completed...	6
Derelict and abandoned cars removed.. ...	11
Smoke nuisances dealt with...	6
Watercourses cleansed ...	2
Miscellaneous ...	2

520

SUMMARY OF VISITS MADE.

Visits to defective drains. extensions to sewers...	784
Visits to drains cleansed from obstruction.	369
Visits re conversion of pail closets & septic tanks ...	3
Visits to water under floors, flooded land & gardens...	202
Visits to dykes and watercourses...	17
Visits re inspection of Public Conveniences ...	131
Visits re Food Hygiene Regulations & Market Stalls Regulations.	572
Visits re unsound foodstuffs...	30
Visits made in connection with Brucellosis.	40
Visits to premises where milk and ice cream are sold...	92
Samples taken: Milk...	114
Ice Cream..	35
Liquid Egg(4); Shell Fish(1); Ice Lollies(8)...	13
Meat Pies & their fillings, etc....	14
Water..	8
Visits to premises re manufacture of meat pies.	9
Visits re rodent control - treatment & eradication.	1,050
Visits re rodent control - search and survey...	220
Visits re other vermin. Pigeons(12); Ants,etc.(76).	88
Enquiries re Council houses - applications.	292
Inspection of tenanted Council houses..	11
Visits re Improvement Grants and Surveys...	109
Visits re defects and alterations..	105
Visits to houses in multi-occupation & holiday flats...	75
Visits to houses under Public Health Acts..	53
Visits re smoke, smell and noise observations..	67
Visits to air pollution apparatus(daily)...	382
Visits to cases of Infectious Disease..	266
Visits in connection with outbreak of Sonn� Dysentery..	2,124
Visits to factories ...	83
Visits re Offices, Shops & Railway Premises Act ...	284
Visits re refuse & salvage collection & disposal...	891
Visits to untidy land, yards, etc..	130
Visits re pig-keeping and to piggeries.	15
Visits re Caravan Sites & Control of Development Act...	40
Visits to work ordered or in progress..	277
Owners or agents interviewed...	125
Visits re Game Dealers' licences...	2
Visits to poultry premises & inspection of poultry.	112
Visits re defective dustbins...	54
Inspections under the Shops Acts...	244
Visits re Pet Animals Act & Slaughter of Animals Act...	4
Visits - Hawkers Licences..	2
Visits re Waste Food Order & to Agricultural premises..	7
Complaints investigated ...	430
Visits re nuisances from keeping of animals ...	10
Visits re Scrap Metal Dealers Act..	2
Miscellaneous Inspections..	124
	<u>10,011</u>

DETAILS OF STATUTORY NOTICES SERVED.

HOUSING ACT, 1957. PUBLIC HEALTH ACT, 1936.

<u>Act and Section.</u>	<u>Reason for Notices.</u>	<u>No.of Notices Served.</u>	<u>No.complied with at end of year.</u>
Housing Act,1957. Section 9.	Housing Defects.	2	1 - in default. 1 - by owner.
Public Health Act, 1936. Section 93.	Housing Defects.	1	Nuisance Order obtained.

SWIMMING BATHS AND POOLS.

There are no public swimming baths in the area.

RAG,FLOCK & OTHER FILLING MATERIALS ACT,1951.

No premises in the area are licensed for the manufacture of rag, flock or other filling materials. There are two premises on the register where filling materials are used, the provisions of the Act being complied with.

PET ANIMALS ACT, 1951.

Two pet shops were on the register at the end of the year. Inspections have been carried out and the premises appear to be conducted in a proper manner, the provisions of the Act being complied with.

DISEASES OF ANIMALS(WASTE FOODS)ORDER,1957.

Upon the application of the Council, the County Council delegated to us their functions under the above Order, as and from 1st July,1959.

Number of plants licensed at time of delegation...	3
Number of plants licensed since delegation ...	10
Number of licences cancelled or revoked...	6
Number of prosecutions ...	0
Number of inspections to licensed plants..	7

PUBLIC HEALTH AMENDMENT ACT, 1907.

SECTION 86.

DEALERS IN OLD METAL AND MARINE STORE DEALERS.

The provisions of the above Act are in operation and three Certificates are in existence in respect of premises in the area.

DISINFECTION.

Disinfection is carried out by means of a formalin spray or by formalin fumigators. It is carried out on request in houses where deaths have occurred from cancer; infectious disease cases removed to hospital and all cases where deaths have occurred from pulmonary tuberculosis.

SCHOOLS.

The general condition of the schools in the area is satisfactory, all being supplied with Fylde water and in each case modern water closets are provided. The ten schools in the area are under the control of the Lancashire Education Committee. One new school in the Thornton area was opened during the year and another one was under construction at the end of the year.

DESTRUCTION OF DOMESTIC PETS.

Destruction of domestic pets is carried out by chloroform and for a charge of 1/- a person can have a dog or cat painlessly destroyed. The department undertakes the proper disposal of the carcasses.

Number of dogs destroyed in 1967...	31
Number of cats destroyed in 1967...	21
	<hr/>
	52
	<hr/>
Income from destruction of animals.	£2. 12. 0.
Income from sale of carcasses....	£5. 0. 0.
	<hr/>
	£7. 12. 0.
	<hr/>

MOVEABLE DWELLINGS AND CAMPING SITES.

The control of moveable dwellings and camping sites in this area is under the Caravan Sites and Control of Development Act, 1960.

The number of caravans allowed at each site is as under:-

No.1. Site. (Holiday only)...	180
No.2. Site. (Residential only)...	30
No.3. Site. (Residential only)...	24
No.4. Site. (Holiday only)...	77

One new site in the River Road area was opening during the year and another site in the same area was nearing completion.

All the sites were conducted satisfactorily during the year and there was no cause for any complaint.

FACTORIES ACT, 1937.

Records are kept of all premises coming within the scope of the Factories Act and regular inspections are made. Particulars of inspections, defects, contraventions found and remedied, are enumerated in the following tables. There are no underground bakehouses in the district.

1. Inspection of Factories and Other Premises.

	No. on Register.	Inspections.	Written Notices.
Factories (without mechanical power)...	4	4	6
Factories (with mechanical power)...	62	83	-
	66	87	6

2. Defects found in Factories & Other Premises.

	No. of Cases in which defects were found:	
	Found:	Remedied:
<u>Sanitary Conveniences:</u>		
(a) Insufficient...	1	-
(b) Unsuitable or defective ...	11	6
(c) Dirty...	1	1

ATMOSPHERIC POLLUTION.

During the year recordings of the volumetric concentration of smoke and sulphur dioxide in the atmosphere, were obtained at the following sites in the district, in accordance with the recommendations of the Department of Scientific and Industrial Research.

1. North Western Gas Showrooms, Victoria Square, Cleveleys.(Cleveleys 2).

This site is situated in a commercial area of shops, hotels and boarding-houses, together with many small scattered light industries.

2. North Western Electricity Board Sub-Station, Butts Road, Thornton. (Thornton Cleveleys 2).

The area is dominated by a large chemical works to the North and East, whilst to the South is light industry and open fields to the West.

CONCENTRATION OF SMOKE & SO₂ IN ATMOSPHERE - GAS SHOWROOMS.

Month.	Average Smoke- Microgrammes/ Cubic Meter.	Average SO ₂ Microgrammes/ Cubic Meter.	Highest Daily Smoke.	Highest Daily SO ₂
January.	174.35	146.84	642	369
February.	93.14	69.36	321	153
March.	26.52	44.40	103	101
April.	55.26	57.80	135	100
May.	48.55	56.33	84	115
June.	21.30	35.86	64	115
July.	17.13	28.35	97	96
August.	24.38	40.96	64	183
September.	No)	No)	No)	No)
October.	Recording.)	Recording.)	Record-)	Record-)
November.	)	)	ing.)	ing.)
December.))))

1967 - Average SO₂ (8 months)... .. 58.89

1967 - Average Smoke(8 months).. .. 57.58

CONCENTRATION OF SMOKE & SO₂ IN ATMOSPHERE-BUTTS ROAD, THORNTON.

Month.	Average Smoke- Microgrammes/ Cubic Meter.	Average SO ₂ Microgrammes/ Cubic Meter.	Highest Daily Smoke.	Highest Daily SO ₂ .
January.	123.42	148.03	301	216
February.	92.46	89.75	408	212
March.	53.56	35.80	100	70
April.	54.23	60.40	132	171
May.	42.77	45.53	93	116
June.	27.76	30.56	55	130
July.	21.26	53.46	65	105
August.	24.31	32.35	46	131
September.	50.33	45.96	151	94
October.	51.52	41.18	94	84
November.	151.97	127.34	485	400
December.	108.00	77.13	252	284

1967 - Average SO₂ = 65.46

1967 - Average Smoke = 66.80

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.

TABLE "A"

REGISTRATIONS AND GENERAL INSPECTIONS.			
CLASS OF PREMISES.	NO.OF PREMISES REGISTERED DURING 1967.	TOTAL NUMBER OF REGISTERED PREMISES AT END OF YEAR.	NUMBER OF REGISTERED PREMISES RECEIVING A GENERAL INSPECTION DURING YEAR.
OFFICES.	6	63	55
RETAIL SHOPS.	13	175	150
WHOLESALE SHOPS & WAREHOUSES.	1	1	1
CATERING ESTAB- LISHMENTS OPEN TO PUBLIC AND CANTEENS.	3	24	19
FUEL STORAGE DEPOTS.	-	-	-

OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963.(CONTD.)

TABLE "B"

Number of visits of all kinds by Inspectors, to Registered premises.	284
--	-----

TABLE "C"

CLASS OF WORKPLACE:	NUMBER OF PERSONS EMPLOYED:
OFFICES.	317
RETAIL SHOPS.	621
WHOLESALE SHOPS AND WAREHOUSES.	1
CATERING ESTABLISHMENTS OPEN TO THE PUBLIC.	237
CANTEENS.	-
FUEL STORAGE DEPOTS.	-
TOTAL: (Males: 372) (Females: 804)	1,176

R O D E N T C O N T R O L.

The test-baiting of the foul sewers was not officially carried out during 1967, but baiting in one small portion of the sewers was carried out. The charges for treatment are as follows:-

Private dwelling-houses... .. 10/-
Boarding houses, hotels, business premises Time @ 9/- hr.+
cost of baits.

Statistics for Year (1st Jan.to 31st Dec.1967)

Number of complaints received... .. 134
Number of infestations.. .. 116
Number of visits for purposes of eradication 1,050
Number of visits for purposes of "search and survey" 220
Number of premises successfully treated by L.A.. .. 116

PREVENTION OF DAMAGE BY PESTS ACT,1949.

It was not found necessary to serve any Notices under the provisions of the above Act, and we secured the co-operation of the public at all times. We experienced no difficulty in regard to the operation of the Act.

Statistics for 12 months ending 31.12.67.

PROPERTIES OTHER THAN SEWERS:	TYPE OF PROPERTY.	
	Non-Agricultural.	Agricultural.
1. No.of properties in district... ..	10,936	60
2. a) Total no.of properties(including nearby premises)inspected following notification.	133	1
b) No.infested by (i) Rats.	41	1
(ii) Mice.	75	-
3. a) Total no.of properties inspected for rats&/or mice for reasons other than notification	561	-
b) No.infested by (i) Rats.	-	-
(ii) Mice.	-	-
<u>SEWERS:</u>		
4. Were any sewers infested by rats during the year?	NO.	

H O U S I N G.

1. Number of new houses erected during 1967.

	<u>Houses.</u>	<u>Flats.</u>
(1) By the local authority.....	-	24
(2) By other bodies or persons.....	435	7
(3) Total number of houses in area.....		10,227
<u>New Houses erected in 1967 (Ward Distribution):</u>		
North Ward.....		98
North Central Ward.....		182
South Ward.....		21
South Central Ward.....		10
East Ward.....		152
West Ward.....		3
		<u>466</u>

2. Total No. of Council-owned dwellings existing at end of year: 600

3. Inspection of dwelling-houses during year:

(1) (a) Total no. of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts).....	45
(b) No. of Inspections-formal or informal-made for the purpose.....	158
(c) No. of dwelling-houses in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit.....	38
(ii) Total No. of dwelling-houses existing at end of year which were unfit for human habitation & not capable at reasonable expense of being rendered fit & in respect of which: (a) Demolition, Clearance or Closing Orders have been made (at any time).....	3
(b) Demolition, Clearance or Closing Orders have not yet been made.....	4

4. Houses Demolished:

<u>Houses Demolished</u>	<u>Houses Demolished.</u>	<u>Displaced during year.</u>	
		<u>Persons.</u>	<u>Families.</u>
<u>In Clearance Areas:</u>			
1) Houses unfit for human habitation.	-	-	-
2) Houses included by reason of bad arrangement, etc.....	-	-	-
3) Houses on land acquired under Sec. 43(2) Housing Act, 1957.....	-	-	-
<u>Not in Clearance Areas:</u>			
4) As a result of formal or informal procedure under Sec. 17(1), Housing Act, 1957.....	-	-	-
5) Local Authority-owned houses certified unfit by M.O.H.....	-	-	-
6) Houses unfit for human habitation where action has been taken under local Acts.....	-	-	-
7) Unfit houses included in Unfitness Orders.....	-	-	-

5. Unfit Houses Closed:-

	Number.	Displaced during year.	
		Persons.	Families.
(1) Under Secs.16(4),17(1) & 35 (1),Housing Act,1957.....	-	-	-
(2) Under Secs.17(3) and 26, Housing Act,1957.....	-	-	-
(3) Parts of buildings closed under Sec.18,Housing Act,57	-	-	-

6. Unfit Houses made Fit & Houses in which defects were remedied:-

	By Owner:	By L.A.
(1) After informal action by L.A.	4	-
(2) After formal notice under:		
(a) Public Health Acts.....	-	-
(b) Housing Act,1957.Secs.9 and 16.....	-	1
(3) Under Sec.24.Housing Act,1957	-	-

7. Unfit Houses in Temporary Use - Housing Act,1957:-

<u>Position at end of year:</u>	No.of houses.	No.of separate dwellings contained in Col.(1).
(1) Retained for temporary accommodation -		
(a) Under Sec.48.....	-	-
(b) Under Sec.17(2).....	-	-
(c) Under Sec.46.....	-	-
(2) Licensed for temporary occupation under Secs.34 or 53.....	-	-

8. Purchase of Houses by Agreement:

	No.of houses.	No.of occupants of houses in Col.(1)
Houses in Clearance Areas other than those included in confirmed Clearance Orders or Compulsory Purchase Orders, purchased during the year....	-	-

IMPROVEMENT GRANTS.

As a result of a re-survey of houses in the district, it is estimated that there are 223 premises without all of the standard amenities. This matter is kept constantly under review and every opportunity is taken to persuade landlords to carry out the improvement of houses by means of Grants.

Discretionary Grants.

Action during year:	No. of Dwelling Houses or other buildings affected in schemes of:	
	Private bodies or individuals:	Local Authority:
(a) Submitted by private individuals to L.A.....	-	-
(b) Approved by L.A.....	-	-
(c) Submitted by L.A. to Ministry.....	-	-
(d) Finally approved by Ministry.....	-	-
(e) Work completed.....	-	-
(f) Additional separate dwellings included in (e) above.....	-	-

Standard Grants.

Action during year:	No. of dwellings or other buildings affected.
(a) Applications submitted to L.A.	27
(b) Applications approved by L.A.	27
(c) Work completed.	31

RENT ACT, 1957.

APPLICATIONS FOR CERTIFICATES OF DISREPAIR(1st JAN. - 31st DEC.1967)

1. Number of applications for Certificates of Disrepair..... -
2. Number of decisions to issue Certificates of Disrepair..... -
3. Number of Certificates of Disrepair issued..... -

HOUSING ACT, 1957 - SECTION 16.

1. Individual houses reported upon to Council.....	1
2. Demolition Orders made.....	1
3. Undertakings accepted - "house ceased to be used for habitation".....	-
4. Undertakings accepted - "Render house fit for habitation".....	-
5. Works completed during year in respect of undertakings.....	-
6. Undertakings outstanding at end of year.....	-
7. Houses demolished during year.....	-
8. Houses demolished voluntarily during year.....	-
9. Number of families re-housed in Council houses.....	-

HOUSING ACT, 1957 - SECTION 42

1. Clearance areas reported to Council.....	-
2. Number of houses in Clearance Areas.....	-
3. Number of Orders confirmed.....	-
4. Number of houses in Clearance Areas demolished.....	-
5. Number of families re-housed in Council houses.....	-
6. Number of Enquiries held during year.....	-
7. Number of houses involved in Enquiries.....	-

HOUSING ACT. HOUSES IN MULTIPLE OCCUPATION.

A survey of houses in multi-occupation has been completed and as a result of the information obtained, some improvement has taken place at several premises in accordance with the standards previously adopted by the Council. Regular inspections take place throughout the year.

M I L K S U P P L Y.

There are now no dairies in this district registered under the Milk and Dairies Regulations.

The bulk of the milk consumed in this area is supplied by large dairies from outside the district and regular samples of all designations of milk is carried out.

Distributors registered by L.A.

Distributors with premises in district(including shops)..... 65
Distributors with premises outside district..... 10

MILK SAMPLES.

Type.	No.of Samples.	Satis- factory.	Unsatis- factory.	Void Samples.
Raw Milk - (T.T.)				
(i) Methylene Blue Test.	12	6	6	-
Heat Treated Milk.				
(i) Methylene Blue Test.	} 53	50	3	-
(ii) Phosphatase Test.		53	-	-
(iii) Turbidity Test.		26	-	-

Samples for Biological Examination.

Total Number of Samples submitted... .. 23

	Results:			
	Positive.	Negative.	No Result.	Equivocal.
(a) Tuberculosis.	-	5	-	-
(b) Brucellosis-Ring Test.	1	22	-	-
(c) " Culture Test.	-	1	-	-
(d) " Biological Test.	-	5	1	-

Brucella Abortus.

During the year there were two Orders under the Milk and Dairies(General)Regulation, in respect of affected cows at two farms and were still in operation at the end of the year. One Order was withdrawn during 1966.

FOOD AND DRUGS ACT, 1955.

Number of Food Premises by Type of Business in District
at end of year.

Type of Business.	Number.
General grocers and provision dealers.....	62
Greengrocers and fruiterers(including those selling wet fish, game, etc.....	19
Fishmongers, including those selling poultry, game, etc....	3
Meat shops(butchers, purveyors of cooked & preserved meats, tripe, etc.).....	24
Bakers and/or confectioners.....	19
Fried fish shops.....	12
Shops selling mainly sugar confectionery, minerals, ice cream, etc.....	37
Licensed premises, clubs, canteens, cafes, restaurants, snack bars and similar catering establishments.....	45

Number of Food Premises, by Type, registered under
Section 16 of Food and Drugs Act, 1955; Lancashire
County Council Acts or other Local Acts.

Type of Business.	No. Registered at 31.12.67.	No. of Inspections.
Manufacturers of preserved food....	35	Inspections
Premises registered for manufacture of Ice Cream.....	2	carried out
Premises registered for sale of Ice Cream.....	113	when visiting
Premises in area registered for Food Hawkers.....	14	under Food Hygiene Regulations.

LIQUID EGG(PASTEURISATION)REGULATIONS, 1963.

No. of egg pasteurisation plants in district at end of year:.. None
 No. of samples of liquid egg submitted for Alpha-Amylase test. 4
 No. of samples satisfactory -"All satisfactorily pasteurised.
 Salmonella organisms not isolated"..... 4

FOOD AND DRUGS ACT, 1955.

The following information has been supplied by the County Medical Officer of Health, with reference to the number of samples taken in this area by the County Public Health Inspectors. A total of 110 samples were obtained comprising 50 milks (of which five were Channel Island milk) and 60 others as follows:-

1 Buttermilk.	1 Non Fattening Sweetening Cubes.
2 Single Cream.	1 Self Raising Flour.
1 Semolina.	2 Sterilised Cream.
2 Flavouring Material.	1 Custard Powder.
2 Bacon.	1 Ice Cream.
1 Tapioca.	1 Meat, canned.
1 Bacon & Mushrooms, canned.	1 Ham.
2 Soup, canned.	1 Liver Sausage.
1 Sucron (slimming sugar).	1 Tomato Juice, canned.
2 Margarine.	1 Cultered Buttermilk.
1 Drinking Chocolate.	1 Plain Flour.
2 Soft Drink.	1 Dried Fruit.
1 Rose Hip Syrup.	1 Dried Potato.
1 Fruit, canned.	1 Dripping.
1 Fish Paste.	1 Dried Peas.
1 Liquid Paraffin B.P.	1 White Pepper.
3 Dried Vegetables.	1 Mixed Vegetables, frozen.
2 Canned Fish.	2 Table Jelly.
1 Peeled Prawns, canned.	1 Christmas Pudding.
3 Tomato Puree, canned.	1 Biscuits.
2 Chloromycetin Capsules.	1 Nuts & dried fruit.
1 Slimming Tablets.	1 Cake Decorations.
1 Meat Paste.	1 Pork Sausage.

Undermentioned are details of those samples on which the County Analyst gave adverse reports:-

Sample.	Result of Analysis.	Action taken.
Informal milk.	Fat 2.85%. Deficient 5% fat.	Dairy notified.
Tomato Puree, canned.	Contained 770 parts per million tin. Max. recommended limit 250 parts per million.	Further sample obtained.
Tomato Puree, canned.	Contained 385 parts per million of tin.	Further sample obtained.
Slimming Tablets.	Flavour indicated in list of ingredients as TRUSIL GRAPEFRUIT should be designated in specific terms & not under another firms proprietary name.	Manufacturers communicated with.
Non-Fattening Sweetening Cubes.	Label did not bear statutory description "Cyclamate v. Saccharin" cubes as required by S.I. No. 1119/67.	Manufacturers communicated with.
Dried Peas.	Packet declared presence of steeping tablet - none enclosed.	Packers notified.
Pork Sausage.	Contained 350 parts per mill. sulphite preservative (expressed as sulphur dioxide) without declaration.	Vendor cautioned.

FOOD AND DRUGS ACT, 1955. (CONTD.)

UN SOUND FOODSTUFFS.

It was found necessary, after examination and tests, to accept the voluntary surrender of the following foodstuffs.

	cwts.	lbs.	ozs.
23 - tins Meat products.....		41.	8 $\frac{1}{2}$
53 - tins Fruit (various).....		60.	5 $\frac{1}{2}$
27 - tins Vegetables (various).....		21.	3.
Fresh Fruit - various.....	1.	83.	6.
3 - tins fish products.....		1.	10 $\frac{1}{2}$
4 - tins Soup.....		4.	0.
1 - bottle Sauce.....			9.
10 - tins Puddings (various).....		9.	10.
1 - tin Frozen Egg.....		14.	0.
Potatoes.....		56.	0.
	3.	68.	4 $\frac{1}{2}$

518 lbs of foodstuffs were condemned and destroyed on the Council's Refuse tip as a result of breakdown in refrigeration.

Condemned foodstuffs are disposed of by burying on the Council's refuse tip.

ICE CREAM(HEAT TREATMENT ETC.)REGULATIONS, 1959.

Under the above Regulations, 8 samples of Ice Lollies were taken and submitted to the Public Health Laboratory, Preston, for pH. Values. As a result of these investigations, it was found that the pH. Values were less than 4 and consequently were exempted from the Health Treatment provisions of the above Regulations.

<u>Reference No.</u>	<u>pH. Values.</u>
1/IL/67... ..	...Less than 4
2/IL/67... ..	...Less than 4
3/IL/67... ..	...Less than 4
4/IL/67... ..	...Less than 4
5/IL/67... ..	...Less than 4
6/IL/67... ..	...Less than 4
7/IL/67... ..	...Less than 4
8/IL/67... ..	...Less than 4

I C E C R E A M.

During the year there were 3 manufacturers of ice cream and 113 dealers on the register. Regular inspections were carried out at these premises.

Analysis of Samples of Ice Cream.

Ref.No.	Methylene Blue Test. Provisional Grade:				Satisfactory or Not.
	1	2	3	4	
1	1	-	-	-	Yes
2	-	-	1	-	No
3	1	-	-	-	Yes
4	1	-	-	-	Yes
5	-	-	1	-	No
6	1	-	-	-	Yes
7	1	-	-	-	Yes
8	1	-	-	-	Yes
9	1	-	-	-	Yes
10	1	-	-	-	Yes
11	1	-	-	-	Yes
12	1	-	-	-	Yes
13	1	-	-	-	Yes
14	1	-	-	-	Yes
15	1	-	-	-	Yes
16	1	-	-	-	Yes
17	-	-	1	-	No
18	-	1	-	-	Yes
19	-	-	1	-	No
20	1	-	-	-	Yes
21	1	-	-	-	Yes
22	1	-	-	-	Yes
23	1	-	-	-	Yes
24	1	-	-	-	Yes
25	1	-	-	-	Yes
26	1	-	-	-	Yes
27	1	-	-	-	Yes
28	1	-	-	-	Yes
29	-	1	-	-	Yes
30	1	-	-	-	Yes
31	1	-	-	-	Yes
32	1	-	-	-	Yes
33	1	-	-	-	Yes
34	1	-	-	-	Yes
35	1	-	-	-	Yes

Ice Cream Samples taken....	35
Number satisfactory....	31
Number not satisfactory....	4

FOOD HYGIENE (GENERAL) REGULATIONS, 1960.

INSPECTION AND SUPERVISION OF FOOD.

Routine inspections have been carried out to all premises coming within the scope of the Food Hygiene Regulations and are as under:-

a)	Food Vans...	3
b)	Stalls..	57
c)	Butchers' Shops.	38
d)	Grocers' Shops..	79
e)	Greengrocers/Fish Shops.	17
f)	Hotels, Cafe Kitchens and Canteens..	59
g)	Fish Friers.	13
h)	Bakehouses..	31
i)	Clubs, Public Houses, etc	11
j)	Food Warehouses.	-
k)	Boarding Houses.	105
l)	Food Factories..	11
		<hr/>
		424
	Number of re-visits where work was required:	63
		<hr/>
		487
		<hr/>

POULTRY HYGIENE AND INSPECTIONS.

Following the receipt of Circular A/P 56/1, dated 30th August, 1966, a survey was carried out to all premises in the district in which it was thought poultry processing could be carried out. It was found that in two premises poultry is dressed in quantities and also in other premises poultry is dressed at Christmas-time only. A system of inspections was set up and weekly and bi-weekly visits are being made to two premises. During 1967, 112 visits were paid and the following poultry was examined:-

Chickens.....	5,505
Turkeys.....	2,055
Ducks.....	63
Geese.....	36
	<hr/>
	7,659

- a) No. of poultry-dressing premises within the district..... 2*
- b) No. of visits to these premises..... 112
- c) Total no. of birds inspected during the year..... 7,659
- d) Weight of poultry condemned as unfit for human consumption. 520 lbs.

* Dead poultry are received and the plucking and drawing of the poultry is carried out at these premises.

METEOROLOGICAL OBSERVATIONS.

The rainfall is taken daily at 9.0 am. at the Council's Depot, and reports are placed monthly before the Council.

YEAR.	JAN.	FEB.	MARCH.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
1950	1.56	4.05	1.67	2.02	0.75	1.47	2.78	6.60	6.33	3.27	4.39	2.60	37.49
1951	4.03	3.19	4.67	1.10	3.34	1.04	1.52	3.37	3.74	1.53	9.04	7.61	44.18
1952	2.94	0.79	2.26	2.87	2.71	2.41	1.42	3.51	3.56	3.73	1.71	3.24	31.15
1953	1.52	0.85	0.54	2.66	2.07	1.62	4.60	3.86	5.18	1.78	4.57	1.85	31.10
1954	2.44	3.47	2.07	1.08	2.88	4.17	4.65	4.96	7.16	10.07	7.77	4.62	55.34
1955	2.77	2.42	1.64	2.05	2.58	4.51	2.29	1.22	3.14	3.04	2.29	4.40	32.35
1956	4.64	0.42	1.36	2.25	1.91	2.35	4.44	12.96	4.08	3.39	2.10	4.79	44.69
1957	4.36	3.39	2.56	0.41	3.74	2.20	4.16	5.73	6.07	6.53	1.69	5.25	46.09
1958	4.52	6.28	1.52	1.52	4.00	4.09	3.19	3.39	3.65	4.15	1.92	3.39	41.62
1959	3.46	0.49	2.56	3.13	1.57	3.91	4.17	0.42	0.39	3.95	4.33	7.51	35.89
1960	5.51	3.00	1.42	2.24	2.81	1.47	5.03	3.06	3.55	2.73	8.48	3.81	43.11
1961	5.52	3.21	0.91	4.81	1.97	2.10	3.98	5.01	3.28	4.95	4.14	3.14	43.02
1962	4.56	1.91	1.73	3.02	2.55	1.40	1.77	5.13	3.59	2.11	2.20	3.19	33.16
1963	0.76	0.47	3.05	2.92	1.93	3.44	2.33	2.89	3.97	3.43	5.60	0.80	31.59
1964	1.29	0.52	2.63	1.92	2.98	1.88	1.38	2.75	1.99	3.08	2.32	5.53	28.27
1965	3.95	0.18	2.14	0.50	3.22	0.34	3.83	3.32	5.91	2.27	3.61	6.49	35.76
1966	2.24	4.62	1.85	2.53	2.84	3.91	1.61	3.82	3.43	4.65	3.60	4.11	39.21
1967	2.46	3.01	1.79	1.31	5.20	1.82	4.47	3.26	4.48	9.82	3.39	2.02	43.10

I N D E X.

Acts in force...	6
Area ...	6,7
Ages at Death and Causes of death...	11
Atmospheric Pollution...	32,33
Births and Birth Rates..	4,11
Bye-Laws ...	6
Caravans and Moveable Dwellings. ...	31
Chief Public Health Inspector's Report..	31
Deaths and Death Rate...	4,6,11,12
Destruction of Domestic Pets ...	29
Diseases of Animals(Waste Food)Order,1957...	28
Disinfection ...	29
Drainage and Sewerage...	20
Employees...	23
Factories Act...	31
Food & Drugs Act & Samples & Unsound Foodstuffs. ...	41,42,43
Food Poisoning	13
Food Hygiene Regulations ...	45
Housing. ...	36,37,38,39
Ice Cream & Ice Lollie Samples..	43,44
Improvement Grants..	39
Infantile Mortality. ...	4,5
Infectious Diseases and Tuberculosis ...	13-16
Inquests and Inquiries..	9,10
Maternal Mortality..	4,5
Medical Officer of Health's Report..	3
Meteorological Report...	46
Milk Supply and Milk Samples ...	40
Mortuary ...	30
Offensive Trades ...	28
Offices, Shops and Railway Premises Act,1963 ...	33
Pet Animals Act,1951 ...	28
Physical Features of district, Geology and Climate..	7
Population..	6
Poultry Hygiene and Inspections. ...	45
Public Cleansing(Refuse & Salvage Collection & Disposal) ...	21-24
Public Health Amendment Act,1907(Metal Dealers). ...	29
Public Conveniences. ...	25
Rag, Flock & Other Filling Materials Act ...	28
Rodent Control & Prevention of Damage by Pests Act..	35
Schools. ...	29
Social Conditions, Industries, etc..	8
Statutory Notices served ...	28
Swimming Baths..	28
Verminous Premises..	30
Visits, Inspections, Work carried out...	26,27
Vital Statistics and Statutory Summary..	4,5,6,11
Water Supply ...	18,19
Wards...	8

