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Contributors

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THORNTON CLEVELEYS
URBAN DISTRICT COUNCIL


ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR
1969





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THORNTON CLEVELLYS
URBAN DISTRICT COUNCIL.

HEALTH COMMITTEE - 1969.

CHAIRMAN:

Councillor J.D. GRIME.

VICE-CHAIRMAN:

Councillor A.L. HACKETT.

Councillor C.R. ASHWORTH.

Councillor T.H. DICKENS.

Councillor A. FEENEY, J.P.

Councillor J.G. MOORE.

Councillor F. PARKINS.

Councillor Mrs. F. HULL, J.P.

Councillor S. WRIGHT.

CHAIRMAN OF THE COUNCIL.

Councillor C.R. ASHWORTH.

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 & 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 & Food Inspector.

PUPIL PUBLIC HEALTH INSPECTOR:

JOHN GRAHAM SIMM.

CHIEF CLERK:

MISS S.A. SIMCOCK.

JUNIOR CLERK:

MISS J. ROBINSON.

MEDICAL OFFICER'S REPORT.

Council Officers,

THORNTON CLEVELEYS.

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

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you the Annual Report of the Medical Officer of Health for the year 1969.

The vital statistics for the area remained generally satisfactory during the year and there were no large scale outbreaks of infectious illness during the year.

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

To you, Mr. 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 1969)	26,250.		
<u>LIVE BIRTHS:</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	182	166	348
Illegitimate	14	16	30
	<u>196</u>	<u>182</u>	<u>378</u>
Live Birth Rates per 1,000 of Population:-			
Crude Rate			14.4
Adjusted			20.0
Illegitimate live births per cent of total live births			8.0
<u>DEATHS (ALL CAUSES)</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Number Registered	205	219	424
Death Rate per 1,000 of Population:-			
Crude Rate			16.2
Adjusted Rate			10.0
<u>STILLBIRTHS</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	4	-	4
Illegitimate	-	-	-
	<u>4</u>	<u>-</u>	<u>4</u>
Rate per 1,000 total births			10.0
<u>MATERNAL MORTALITY</u>			
Number of deaths registered			-
Maternal mortality Rate per 1,000 total births			NIL
<u>INFANT MORTALITY</u>			
Number of Deaths registered under 1 year:-	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	4	2	6
Illegitimate	1	-	1
	<u>5</u>	<u>2</u>	<u>7</u>
Rate per 1,000 Live Births			19.0
<u>NEO-NATAL</u>			
Number of Deaths registered (under 4 weeks):-	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	3	-	3
Illegitimate	1	-	1
	<u>4</u>	<u>-</u>	<u>4</u>
Rate per 1,000 Live Births			11.0
Number of Deaths Registered (under 1 week):-	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	3	-	3
Illegitimate	1	-	1
	<u>4</u>	<u>-</u>	<u>4</u>
Rate per 1,000 Live Births			11.0

PER 1,000 OF ESTIMATED POPULATION

	Live Birth Rate (Crude)	Crude Death Rate	Death Rate from T.B. of Respiratory System.	Death Rate from Cancer.	Maternal Mortality Rate per 1,000 Live Births	Infantile Mortality Rate per 1,000 Live Births
<u>Mean of 5 years</u>						
1964 - 68	15.8	17.0	0.02	2.78	0.5	16.8
1968	15.1	16.7	Nil.	2.78	2.53	15.0
1969	14.4	16.2	Nil.	2.74	Nil.	19.0
<u>Increase or Decrease</u>						
<u>In 1969 on 5 years</u>						
Average:						
1964 - 68.	-01.4	-0.8	-0.02	-0.04	-0.5	+2.2
<u>On Previous Year</u>						
1968	-0.7	-0.5	Nil.	-0.04	-2.53	+4.0

1969 - Adjusted Birth Rate (Comparability factor 1.39) = 20.0

1969 - Adjusted Death Rate (Comparability factor 0.62) = 10.0

BIRTH, DEATH & INFANTILE MORTALITY RATES (ADJUSTED)

<u>Year</u>	<u>Birth Rate</u>	<u>General Death Rate</u>	<u>Infantile Mortality Rate</u>
1964	19.4	13.5	11
1965	17.6	12.2	15
1966	23.2	10.8	20
1967	22.2	10.2	17
1968	21.0	10.4	15
1969	20.0	10.0	19

STATISTICAL SUMMARY

Area in statute acres	3,355
Population (1964 Census)	22,020
Population (Estimated mid 1969)	26,250
Density of Population per acre	7.8
Estimated number of inhabited houses (Dec.1969)	10,512
Average number of persons per house	2.5
Rateable Value	£1,428,782
Sum represented by a Penny Rate	£5,830
Live Births	378
Live Birth Rate per 1,000 Population (adjusted)	20.0
Still Births	4
Still Birth Rate per 1,000 live and still births	10
Total live and still births	382
Total Deaths	424
Death Rate per 1,000 Population (adjusted)	10.0
Infant Deaths (under 1 year)	7
Infant mortality rate per 1,000 live births (total)	19
Infant mortality rate per 1,000 live births (legitimate)	17
Infant mortality rate per 1,000 live births (illegitimate)	33
Neo-natal mortality rate per 1,000 live births (first 4 weeks)	11
Early Neo-natal mortality rate per 1,000 live births	11
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)	2.74
Influenza Death Rate	0.11
Pneumonia (all forms) Death Rate	0.29
Other Respiratory diseases (all forms)	0.11

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, 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 7.8.

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:	1,950
<u>NORTH CENTRAL WARD:</u>	The number of houses in North Central Ward is:	1,818
<u>SOUTH WARD:</u>	The number of houses in South Ward is:	1,573
<u>SOUTH CENTRAL WARD:</u>	The number of houses in South Central Ward is:	1,595
<u>EAST WARD:</u>	The number of houses in East Ward is:	2,094
<u>WEST WARD:</u>	The number of houses in West Ward is:	1,482

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.

There were 47 Inquests and Inquiries on persons dying in the area, and are as follows:-

<u>WARD.</u>	<u>YEARS.</u>	<u>CAUSES OF DEATH</u>
<u>NORTH WARD</u>		
1. Female.	76	Coronary Thrombosis.
2. Female.	50	Cerebral Haemorrhage.
3. Male.	72	Acute left ventricular failure due to coronary occlusion.
4. Female.	74	Cerebral Haemorrhage.
5. Male.	72	Acute left ventricular failure due to coronary thrombosis.
6. Female.	58	Pulmonary embolus - Phlebitis right lower leg - thrombosis of vein.
<u>NORTH CENTRAL WARD.</u>		
7. Male.	70	Acute left ventricular failure due to coronary thrombosis.
8. Female.	72	Pulmonary embolus.
9. Male.	79	Myocardial infarction due to Atheroma of coronary arteries.
10. Female.	79	Ischaemic myocardial fibrosis due to Atheroma of coronary arteries.
11. Male.	65	Coronary Thrombosis.
12. Male.	65	Coronary Thrombosis. Bronchitis.
13. Female.	83	Coronary Thrombosis.
14. Male.	72	Ruptured heart due to cardiac infarction due to coronary occlusion.
15. Male.	63	Acute broncho pneumonia.
16. Female.	69	Chronic bronchitis and emphysema.
17. Female.	69	Acute left ventricular failure.
18. Male.	66	Coronary thrombosis.
<u>SOUTH WARD.</u>		
19. Male.	79	Haemothorax due to dissecting aneurysm due to ruptured aorta.
20. Male.	52	Acute left ventricular failure.
21. Female.	76	Coronary thrombosis.
22. Female.	39	Coronary thrombosis.
23. Female.	46	Gangrenous small intestine due to Volvulus.
<u>SOUTH CENTRAL WARD</u>		
24. Female.	72	Acute left ventricular failure.
25. Male.	80	Cardiac infarction. Coronary occlusion.
		Acute anaemia due to Haemorrhage from gastric ulcer.

<u>WARD.</u>	<u>YEARS.</u>	<u>CAUSES OF DEATH</u>
<u>SOUTH CENTRAL WARD (Contd)</u>		
26. Male.	67	Myocardial infarction due to atheroma of coronary arteries.
<u>EAST WARD</u>		
27. Female.	74	Acute left ventricular failure. Coronary thrombosis.
28. Male.	68	Cardiac infarction. Hypertension.
29. Male.	59	Coronary thrombosis due to atheroma of the coronary arteries.
30. Male.	54	Suicide - Railway accident.
31. Male.	67	Acute bilateral lobar pneumonia.
32. Female.	78	Acute left ventricular failure. Pagets disease.
33. Male.	66	Coronary occlusion. Carcinoma bronchus - abscess of left lung.
<u>WEST WARD</u>		
34. Female.	85	Fracture of right hip following a fall in her home. Misadventure.
35. Male.	38	Acute influenzal meningo-encephalitis. Congenital aortic stenosis.
36. Female.	72	Barbiturate poisoning - accidental overdose of tablets. Misadventure.
37. Male.	76	Carbon Monoxide poisoning - Misadventure.
38. Female.	81	Cerebral Thrombosis. Hypertension.
39. Male.	77	Acute left ventricular failure. Coronary thrombosis.
40. Male.	21	Motor vehicle accident - Misadventure
41. Male.	71	Suicide - hanging.
42. Female.	98	Fall in her home - misadventure.
43. Female.	52	Suicide - overdose of tablets.
44. Male.	75	Drowning - misadventure.
45. Male.	76	Coronary thrombosis.
46. Male.	70	Chronic bronchitis and emphysema.
47. Male.	58	Bronchitis and emphysema aggravated by war service.

VITAL STATISTICS

BIRTHS

During the year 378 births were recorded by the Registrar-General, comprising 196 males and 182 females.

Birth Rate for district (adjusted): 20.0 per 1,000 as against 21.0 for 1968.

Still-births: 10 per 1,000 (live and still) births.

DEATHS

Based on a population of 26,250, the Registrar-General gives the Death Rate (adjusted) as 10.0 compared with 10.4 for 1968.

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

WARD.	MALES.	FEMALES.	TOTAL.
North.	40	32	72
North Central.	41	40	81
South.	22	32	54
South Central.	39	44	83
East.	32	32	64
West.	31	39	70
	205	219	424

AGES AT DEATH

	Males.	Females.	Total.
Under 1 week	4	2	6
Under 4 weeks of age	4	2	6
Under 1 year of age	1	2	3
TOTAL UNDER 1 YEAR	5	2	7
1 - 4 years.....	1	1	2
TOTAL UNDER 5 YEARS.	5	2	7
5 - 14 years.....	1	1	2
15 - 24 years.....	1	1	2
25 - 34 years.....	1	1	2
35 - 44 years.....	1	6	7
45 - 54 years.....	7	10	17
55 - 64 years.....	29	18	47
65 - 74 years.....	86	56	142
75 & Over.....	75	126	201
	205	219	424

CAUSES OF DEATH

	Males.	Females.	Total.
Malignant Neoplasm, Oesophagus.	—	3	3
Malignant Neoplasm, Stomach.	8	2	10
Malignant Neoplasm, Intestine.	3	9	12
Malignant Neoplasm, Lung, Bronchus.	14	3	17
Malignant Neoplasm, Breast.	—	4	4
Malignant Neoplasm, Uterus.	—	3	3
Malignant Neoplasm, Prostate.	3	—	3
Leukaemia.	1	2	3
Other Malignant Neoplasms.	4	13	17
Benign and Unspecified Neoplasms.	—	1	1
Diabetes Mellitus.	2	1	3
Other Endocrine etc. Diseases.	—	1	1
Anaemias.	—	1	1
Mental Disorders.	—	1	1
Other Diseases of Nervous system, etc.	2	1	3
Chronic Rheumatic Heart Disease.	2	8	10
Hypertensive Disease.	6	4	10
Ischaemic Heart Disease.	63	44	107
Other forms of Heart Disease.	15	15	30
Cerebrovascular Disease.	24	53	77
Other Diseases of Circulatory System.	8	16	24
Influenza.	2	1	3
Pneumonia.	3	5	8
Bronchitis and Emphysema.	13	3	16
Other Diseases of Respiratory System.	1	2	3
Peptic Ulcer.	4	—	4
Intestinal Obstruction and Hernia.	1	1	2
Cirrhosis of Liver.	1	1	2
Other Diseases of Digestive System.	2	3	5
Nephritis and Nephrosis.	1	1	2
Hyperplasia of Prostate.	1	—	1
Other Diseases, Genito-Urinary System.	1	—	1
Diseases of Musculo-Skeletal System.	—	3	3
Congenital Anomalies.	2	1	3
Birth Injury, Difficult Labour, etc.	2	—	2
Other Causes of Perinatal Mortality.	1	—	1
Symptoms and Ill Defined Conditions.	6	5	11
Motor Vehicle Accidents.	3	—	3
All other Accidents.	4	7	11
Suicide and Self-Inflicted Injuries.	2	1	3
	205	219	424

INFECTIOUS DISEASE.

There were 32 cases of Infectious Disease notified during the year, as against 389 cases during 1968, and were as follows:-

Total Cases notified.

Measles	11
Scarlet Fever	11
Dysentery	3
Infective Jaundice	4
Ophthalmia Neonatorum	1
Pulmonary Tuberculosis	4
	<hr/>
	34

TOTAL NOTIFIED DURING YEAR

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

	N.	NC.	S.	SC.	E.	W.	Total.
Measles	2	1	2	2	3	1	11
Scarlet Fever	2	1	3	3	1	1	11
Dysentery	-	3	-	-	-	-	3
Infective Jaundice	-	-	2	-	2	-	4
Ophthalmia Neonatorum	-	-	-	-	1	-	1
Pulmonary Tuberculosis	-	-	1	-	1	1	4
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	4	6	8	5	8	3	34

FOOD POISONING OUTBREAKS.

Number 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.	-	3	3	1	2	1	1	-	-	-	-	-	-	11
Scarlet Fever.	-	-	-	1	1	8	1	-	-	-	-	-	-	11
Dysentery.	-	-	-	-	-	1	-	-	2	-	-	-	-	3
Infective Jaundice.	-	-	-	-	-	1	-	1	1	1	-	-	-	4
Ophthalmia Neonatorum.	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Pulmonary Tuberculosis.	-	-	-	-	-	-	-	-	1	1	1	1	-	4
TOTAL:	1	3	3	2	3	11	2	1	4	2	1	1	-	34

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.	2	-	-	-	1	2	1	1	2	1	1	-	11
Scarlet Fever.	-	-	4	3	2	-	1	-	1	-	-	-	11
Dysentery.	-	1	2	-	-	-	-	-	-	-	-	-	3
Infective Jaundice.	-	-	1	-	-	-	-	1	1	-	-	1	4
Ophthalmia Neonatorum.	-	-	1	-	-	-	-	-	-	-	-	-	1
Pulmonary Tuberculosis.	-	-	-	-	1	-	-	-	-	-	2	1	4
TOTAL:	2	1	8	3	4	2	2	2	4	1	3	2	34

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.	-	-		-	-		-	-		-	-	
20 - 25 yrs.	-	-		-	-		-	-		-	-	
25 - 35 yrs.	1	-		-	-		-	-		-	-	
35 - 45 yrs.	1	-		-	-		-	-		-	-	
45 - 55 yrs.	-	-		-	-		-	-		-	-	
55 - 65 yrs.	1	-		-	-		-	-		-	-	
65 yrs. & Over.	1	-		-	-		-	-		-	-	
TOTAL:	4	-		-	-		-	-		-	-	

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR.

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

The Chairman, Ladies and Gentlemen,

I have pleasure in submitting my final Annual Report on the Public Health and Cleansing Department for 1969. By the time the report is published, I will have left the service of the Council after having had the pleasure of working for you for 30 years.

I have been engaged in Local Authority Public Health work for 43 years and during that time have seen many changes - most of the changes and improvements being for the common good of the populace. Diseases have been eliminated and people are enjoying a much longer span of life in spite of the increased tempo of living.

Every effort is made to persuade owners to take advantage of the housing improvement grants but progress in this direction has not been outstanding this last year.

The Cleansing Services were carried out satisfactorily and regular weekly collections were maintained. During the year, this section of the department was the subject of an investigation by the Works Study section of the Council and it is hoped that as a result, a bonus scheme, based on productivity, will soon be introduced. During the second part of the year a further 2,200 premises were converted to the paper sack system and at the end of the year there were approximately 45% of domestic premises in the area using paper sacks.

I am sorry that I cannot report that vandalism at public conveniences and other public property generally, has decreased, and the cost involved in making good the damage caused, is consuming considerable sums of money.

Due to new legislation, the work of the department is increasing year by year and although nothing of a spectacular nature arises as a result of our work, the year has been one of steady progress throughout the district.

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

I also tender my grateful thanks to the administrative and technical staff in the department and in particular to Miss S.A.Simcock, the Chief Clerk, who has attended to the administrative side of the work for many years, and to Mr.K.E.Emery, the Deputy Chief Public Health Inspector, who commenced here as a student many years ago.

I am, Mr.Chairman, Ladies & Gentlemen,

Yours faithfully,

A. E. BARNES.

Chief Public Health Inspector and 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.

Two samples of water were taken by this department from the mains supply. One was submitted for bacteriological examination and one for chemical analysis. Both 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 water -	
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 the 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...	10,511
Total number of houses dependent upon well water...	1
	<hr/>
	10,512
	<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>Winter Supply.</u>	<u>Summer Supply.</u>
Appearance.	Clear & Bright.	Clear & Bright.
Colour (Hazen p.p.m. Pt)	7	4
Turbidity.(p.p.m. Silica)	Nil	Nil
Odour.	Nil	Nil
Taste.	Normal.	Normal.
Reaction pH value.	7.6	8.2
	p.p.m.	
Residual Chlorine.	0.10	0.10
Free & Saline Ammonia as N ₂	0.04	0.06
Albuminoid Ammonia as N ₂	0.06	0.03
Nitrous Nitrogen as N ₂	-	-
Nitric Nitrogen as N ₂	0.32	0.14
Oxygen absorbed 4 hrs. @ 27°C.	0.45	0.15
Free Acidity as CO ₂	- Less than 5 -	
Carbonate Hardness as CaCO ₃	28	98
Total Hardness as CaCO ₃	44	130
Non-carbonate Hardness as CaCO ₃	16	32
Excess Alkalinity as Na ₂ CO ₃	Nil	Nil
Calcium as CaCO ₃	36	68
Magnesium as CaCO ₃	8	62
Total Solids dried at 180°	89	222
Chloride as Cl.	14	24
Sulphate as SO ₄	24	46
Lead as Pb.	- Less than 0.05 -	
Manganese as Mn.	0.02	0.07
Copper as Cu.	-	-
Iron as Fe.	0.05	0.04
Aluminium as Al.	0.10	0.04
Fluoride as F.	- 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. It is anticipated that work of improvements will start in the near future.

STATISTICS.

Dwelling-houses using water carriage system...	10,504
Dwelling-houses using privy middens...	—
Dwelling-houses using pail closets ...	7
Dwelling-houses dependent upon well water. ...	1

No conversions took place during the year.

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.

— — — — —

CIVIC AMENITIES ACT, 1967. REMOVAL & DISPOSAL OF VEHICLE REGULATIONS, 1968.

During the year 23 cars and vans were dealt with under the provisions of the above Act. All the vehicles were removed from the district to the refuse tip. It was not found necessary to take any proceedings, but Notices had to be served and in some cases the alleged owners of the vehicles could not be traced. When they were traced, however, the removal of the vehicles could usually be achieved in co-operation with the department.

PUBLIC CLEANSING.

The vehicles used in the department are as under:-

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.....	Licensed March, 1967.
S.D.6.	"TBZ" type diesel Pakamatic.....	Licensed Jan. 1968.

The cleansing work is carried out by two 35 cu.yd. Pakamatic vehicles and one TW. type diesel fore and aft tipper, which has been converted for bulk containers. The collection of wastepaper is carried out by a TW type diesel fore and aft tipper. A new diesel bulk loader, continuous loader vehicle was ordered during the year for delivery in April, 1970.

During the year, further premises were converted to the paper sack system and at the end of the year 4,200 premises were on the scheme. Further extensions will take place during 1970 and eventually the whole of the district will be on this system.

Under the Civic Amenities Act, 1967, 5 refuse disposal points are in operation throughout the district. A refuse disposal point consists of a bulk container surrounded by fencing and allowing adequate space for the depositing of bulk articles which would not go into the bulk container. It has been found necessary for these compounds to be cleared during the weekend period throughout the summer months. In addition, bulk containers are provided by the owners of many of the larger hotel and shop premises. A vehicle is in use which has been adapted by the manufacturers for this purpose and as a result, the refuse is stored in a more satisfactory manner than by a multiple number of dust bins.

COSTINGS - REFUSE COLLECTION (YEAR ENDING 31.3.70).

	£	s
Total gross cost involved-collection of house, shop and trade refuse.....		26,314
Net cost or salvage: Sales.....	2,357	
Cost.....	<u>2,298</u>	
		59 CR.
		<u>26,255</u>
Income - Trade Refuse, etc.....		511
		<u>25,744</u>
Expenditure per 1,000 houses per annum.....	£2,449	
Expenditure per 1,000 population per annum.....	£980	

DISPOSAL OF REFUSE.

Refuse is disposed of by controlled tipping methods 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 31.3.70).

Number of Loads.....	2,484
Estimated weight (tons).....	7,452
Total Cost(Net).....	£3,204
Cost per ton.....	8/7d.
Cost per 1,000 houses per annum.....	£303
Cost per 1,000 population per annum.....	£122

Costings - Refuse Collection & Disposal (Year Ending 31.3.70).

Total Cost.....	£28,948
Cost per 1,000 houses per annum.....	£2,754
Cost per 1,000 population per annum.....	£1,102

COLLECTION AND DISPOSAL OF SALVAGE.

The Council continued with the collection of wastepaper salvage during the year. From the 1st of February, 1969, the price increased from £8. 17. 6. a ton to £9. a ton. Throughout the year a bonus scheme was in operation for the collection and baling of paper. A new Scheme, based on Work Study principles, is under consideration.

SALVAGE DISPOSED OF DURING YEAR ENDING 31st DEC. 1969.

	tons.	cwts.	qrs.	£.	s.	d.
Wastepaper(Baled).....	260.	7.	1.	2,340.	3.	8.

REFUSE COLLECTION STATISTICS.

	1969.
Estimated tonnage collected... ..	7,134
Total mileage run by vehicles.	24,109
Number of visits to premises..	545,564
Ashbins/Sacks emptied... ..	601,073

EMPLOYEES.

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

TOTAL: 21

The above figures show the present minimum labour requirements but it is necessary from time to time to increase this labour force for holiday periods and sickness.

Preparation of a new Incentive Bonus Scheme, based on Work Study principles, is in progress. It is thought that if this scheme is accepted, there will be a reduction on the labour establishment of the department and that due to the enhanced bonus, temporary labour should be easy to recruit. This work study investigation was carried out at my request.

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL.

<u>MONTH.</u>	<u>LOADS.</u>	<u>MILEAGE.</u>	<u>VISITS TO PREMISES.</u>	<u>ASHBINS/SACKS EMPTIED.</u>
January.	212	1,522	53,742	57,745
February.	161	1,670	38,683	42,628
March.	178	1,763	41,570	47,059
April.	179	2,004	38,077	43,076
May.	210	2,257	49,100	54,084
June.	187	2,060	43,126	46,936
July.	228	2,640	52,592	57,604
August.	188	1,968	42,745	46,584
September.	184	1,724	40,159	44,180
October.	254	2,479	53,735	59,387
November.	190	2,061	43,307	47,437
December.	207	1,961	48,728	54,353
	<u>2,378</u>	<u>24,109</u>	<u>545,564</u>	<u>601,073</u>

PUBLIC CONVENIENCES.

The department is responsible for the cleansing & maintenance of all Public Conveniences. The following is a list of such conveniences as at the 31st December, 1969. They are cleansed by one man full time; one lady supervisor full-time and one lady cleaner full-time.

SITUATION.	ACCOMMODATION FOR FEMALES.	ACCOMMODATION FOR MALES.
Arena, Cleveleys.	6 WCs. 3 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. 2 wash-hand basins. Hot water at only one, cold water at other.	2 WCs. & urinal. 2 wash-hand basins. Hot water at one, cold at other.
Jubilee Gardens Bowling Green, *Cleveleys.	2 WCs.	1 WC. and urinal.
Bus Station, Cleveleys.	5 WCs. 2 wash-hand basins with hot and cold water.	4 WCs. & urinal. 2 wash-hand basins with hot and cold water.
Brighton Ave., Cleveleys.	5 WCs. and 3 wash-hand basins.	2 WCs. and urinal. 2 wash-hand basins.
Ashdell Bowling Green, *Thornton.	3 WCs. 1 wash-hand basin. Cold water supply only.	2 WCs. & Urinal. 1 wash-hand basin. Cold water only.
Four Lane Ends, Thornton.	3 WCs. 1 wash-hand basin, with hot & cold water.	2 WCs. & urinal. 1 wash-hand basin with hot and cold water.
Fleetwood Road N., Thornton.	2 WCs. 1 wash-hand basin. Hot and cold water.	1 WC. and urinal. 1 wash-hand basin with hot and cold water.
River Wyre Foreshore, Thornton.	2 WCs. 2 wash-hand basins with hot and cold water.	1 WC. & 2 urinals. 2 wash-hand basins with hot and cold water.
Kenyon Park, Thornton.	3 WCs. 4 wash-hand basins with hot and cold water.	2 WCs. and urinal. 2 wash-hand basins with hot and cold water.

* Not in use during winter months.

During the year new Conveniences were opened on Brighton Avenue, Cleveleys. The existing ones at Victoria Square were closed down. Work was commenced during the year to improve the conveniences at the Arena, Jubilee Gardens and Bathing Station. In common with other authorities, we suffered a great deal of damage and this vandalism causes extra work and also increases greatly the cost of maintaining them.

SANITARY INSPECTIONS.

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

Number of premises visited...	4,864
Number of defects or nuisances discovered ...	380
Number of defects or nuisances abated ...	300
Number of Informal Notices served ...	32
Number of Statutory Notices served...	4
Number of complaints received and investigated...	410

WORK CARRIED OUT.Sanitary accommodation and Drainage.

Drains cleansed from obstruction...	425
Drains repaired and relaid and new chambers built..	15
Additional gullies provided ...	1
Defective traps removed...	1

Housing.

Rising and penetrating dampness eradicated. ...	5
Eavesgutters repaired..	2
Floors of dwellings repaired...	2
Roofs repaired and made waterproof. ...	8
Walls and ceilings repaired, redecorated and repointed. ...	12
Defective spouting repaired or replaced ...	6
Chimney pots repointed and repaired ...	3
Windows repaired and provided..	18
Ventilation provided...	4
Damp-proof course renewed..	2
Doors repaired and renewed. ...	3

Miscellaneous.

Offensive accumulations removed and land cleared...	17
Smell/noise/smoke nuisances dealt with. ...	10
Middensteads constructed..	1
W.Cs. repaired and limewashed..	3
Items of work carried out under Food Hygiene Regulations...	87
Items of work carried out under Offices, Shops and Railway Premises Act ...	94

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SUMMARY OF VISITS MADE.

Visits to Infectious Diseases...	96
Visits to defective drains, tested and inspected ...	710
Visits to water under floors, flooded land and gardens..	24
Visits re Clean Air Act.	4
Visits re inspection of Public Conveniences.	93
Visits re Food Hygiene and Market Stalls Regulations ...	362
Visits re unsound foodstuffs ...	51
Visits made in connection with Brucellosis..	36
Visits to premises where milk & ice cream are sold & complaints.	304
Samples taken: Milk(30)...for Brucellosis (30)...	60
Ice Cream (31)... Ice Lollies (6) ...	37
Shell Fish...	6
Meat Pies and their fillings,etc. ...	16
Water...	2
Visits re rodent control - treatment and eradication ...	865
search and survey ...	340
Visits re other vermin..Pigeons(51); Ants,Wasps,flies,etc.etc...	144
Inspection of tenanted Council houses (defects,etc.) ...	11
Visits re improvement grants and surveys & qualification Certs..	123
Visits re defects and alterations in houses.	99
Visits to houses in multi-occupation and holiday flats..	100
Visits to dirty houses..	16
Visits to houses under Public Health Act ...	18
Visits re smoke, smell and noise observations...	278
Visits to air pollution apparatus (daily)...	478
Visits to Factories.	157
Visits re Means of Escape in case of fire...	46
Visits re Offices, Shops and Railway Premises Act...	377
Visits re refuse & salvage collection & disposal,including	
Paper Sack Scheme...	4,975
Visits to untidy land, yards, etc...	122
Visits re pig-keeping and to piggeries..	31
Visits re Caravan Sites & Control of Development Act ...	42
Visits to work ordered or in progress...	302
Owners or agents interviewed ...	92
Visits re Game Dealers' Licences ...	2
Visits to poultry premises and inspections of poultry...	93
Inspections under the Shops Act.	84
Visits re Pet Animals Act & Slaughter of Animals Act/Rag Flock Act.	8
Visits re Scrap Metal Dealers...	2
Visits re Waste Food Order & Agricultural Premises..	15
Complaints investigated.	561
Visits re nuisances from keeping animals ...	10
Visits re Civic Amenities Act-Derelict cars,refuse compounds,etc.	139
Visits under Riding Establishments Act and to Stables...	1
Miscellaneous Inspections...	181

11,513

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</u>	<u>No. complied with at end of year.</u>
Housing Act, 1957. Section 9.	Housing defects.	2	2
Public Health Act, 1936. Section 39.	Obstructed eaves-gutters.	1	Work done in default.
Public Health Act, 1936. Section 93.	Housing defects.	1	1

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. At the present time there are no premises where filling materials are used.

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.....	11
Number of licences cancelled or revoked.....	8
Number of prosecutions.....	-
Number of inspections to licensed plants.....	15

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 eleven schools in the area are under the control of the Lancashire Education Committee.

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 1969.....	27
Number of cats destroyed in 1969.....	3
	<u>30</u>
Income from destruction of animals.....	£1. 10. 0.
Income from sale of carcasses.....	<u>£5. 0. 0.</u>
	<u>£6. 10. 0.</u>

SHELL FISH.

There are no shell fish beds in our area. During the year six samples of shell fish were taken from an Oyster Stall on the Promenade, two of the samples being unsatisfactory and the necessary action was taken.

MORTUARY.

A modern mortuary possessing equipment in accordance with present-day practice, has been in use throughout the year. It was used on 150 occasions and 144 post-mortems were conducted by the Police Surgeon.

By arrangement, the Fleetwood Borough Council have the joint use of the mortuary and the net cost is shared between their authority and ours. Two Urban District Councils and a Rural District Council, have the use of the mortuary at agreed charges and it is also used on the direction of the local Coroner. It was used as follows:-

Thornton Cleveleys U.D.C.....	56
Fleetwood Borough Council.....	43
Poulton-le-Fylde U.D.C.....	21
Preesall U.D.C.....	17
Garstang R.D.C.....	5
Other Authorities (via the Coroner).....	8

VERMINOUS PREMISES.

Several complaints received during the year were thoroughly investigated, advice and help being given. Minor and new infestations were dealt with by the department in co-operation with the tenants or owners concerned. The eradication of vermin is carried out by proprietary liquid insecticide and D.D.T. powder.

Eradications carried out.

	<u>Private Houses, etc.</u>	<u>Council Houses:</u>
Ants.....	14	18
Cockroaches.....	6	-
Wasps Nests.....	8	-
Beetles(2), Flies(1), Woodlice(1), Snails(1).....	5	-
Earwigs(1), Crickets(2).....	2	1
Fleas.....	1	-

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:-

p.1. Site. (Holiday only).....	180
p.2. Site. (Residential only).....	30
p.3. Site. (Residential only).....	24
p.4. Site. (Holiday only). Phase I Development.....	77
p.5. Site. (Holiday only).....	105

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

FACTORIES ACT, 1961.

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).	9	18	-
Factories (with mechanical power).	61	136	9
Other premises in which Sec. 7 is enforced by L.A. (excl. Outworkers' premises).	3	3	-
	73	157	9

2. Defects found in Factories & Other Premises.

	No. of Cases in which defects were found:	
	Found:	Remedied:
Sanitary Conveniences:		
(a) Insufficient.....	2	2
(b) Unsuitable or defective.....	5	2
(c) Inadequate ventilation.....	8	3
(d) Want of Cleanliness.....	2	-

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 SO ₂ Microgrammes/ Cubic Meter.	Average Smoke- Microgrammes/ Cubic Meter.	Highest Daily S.O ₂	Highest Daily Smoke.
January.	141.60	153.10	339	517
February.	110.00	108.80	253	521
March.	118.50	95.74	283	424
April.	79.30	39.26	196	125
May.	71.55	43.71	124	90
June.	57.42	24.16	100	60
July.	41.26	12.16	121	39
August.	58.99	22.21	111	98
September.	58.53	31.57	128	99
October.	76.00	49.80	174	129
November.	60.50	79.68	215	227
December.	122.30	163.10	220	336

Average SO₂ = 82.99

Average Smoke = 68.61

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

Month.	Average SO ₂ Microgrammes/ Cubic Meter.	Average Smoke- Microgrammes/ Cubic Meter.	Highest Daily SO ₂	Highest Daily Smoke.
January.	99.77	112.00	274	401
February.	54.43	75.02	155	226
March.	40.65	60.88	123	255
April.	33.52	49.41	89	180
May.	24.67	41.96	62	74
June.	22.70	24.86	68	45
July.	22.03	12.86	140	31
August.	35.99	17.03	90	37
September.	32.93	30.14	103	73
October.	32.22	49.00	71	106
November.	18.96	55.80	66	203
December.	166.90	112.00	89	331
Average SO ₂ = 48.70 Average Smoke = 55.75				

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.

TABLE "A"

	REGISTRATIONS AND GENERAL INSPECTIONS.		
CLASS OF PREMISES.	NO.OF PREMISES REGISTERED DURING 1969.	TOTAL NO.OF REGISTERED PREMISES AT END OF YEAR.	NO.OF REGISTERED PREMISES RECEIVING A GENERAL INSPECTION DURING YEAR.
OFFICES.	9	61	60
RETAIL SHOPS.	28	181	169
WHOLESALE SHOPS & WAREHOUSES.	1	1	1
CATERING ESTAB- LISHMENTS OPEN TO PUBLIC, & CANTEENS.	6	27	22
FUEL STORAGE DEPOTS.	-	-	-

ACCIDENTS INVESTIGATED DURING 1969 = 3

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

Number of visits of all kinds by Inspectors, to registered premises.	323
--	-----

TABLE "C"

CLASS OF WORKPLACE:	NUMBER OF PERSONS EMPLOYED:
OFFICES.	309
RETAIL SHOPS.	545
WHOLESALE SHOPS & WAREHOUSES.	4
CATERING ESTABLISHMENTS OPEN TO THE PUBLIC.	247
CANTEENS.	-
FUEL STORAGE DEPOTS.	-
TOTAL:	1,105
MALES: 374	FEMALES: 731

RODENT CONTROL.

The test-baiting of the foul sewers was not carried out during 1969, but baiting in one small portion of the sewers was carried out. The charges for treatment are as follows:-

Private dwelling-houses... .. 15/-

Boarding houses, hotels, business premises. Time @ 15/- hr.
+ cost of baits.

Statistics for 12 months ending 31.12.69.

Number of complaints received.....	90
Number of infestations.....	78
Number of visits for purposes of eradication.....	865
Number of visits for purposes of "search and survey".....	340
Number of premises successfully treated by L.A.....	78

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 31.12.69.

PROPERTIES OTHER THAN SEWERS:	TYPE OF PROPERTY.	
	Non-Agricultural.	Agricultural.
1. No. of properties in district....	11,240	60
2. a) Total no. of properties (inc. nearby premises) inspected following notification.....	104	-
b) No. infested by (i) Rats.....	18	-
(ii) Mice.....	60	-
3. a) Total no. of properties inspected for rats &/or mice for reasons other than notification.....	127	-
b) No. infested by (i) Rats.....	-	-
(ii) Mice.....	-	-
<u>SEWERS:</u>		
4. Were any sewers infested by rats during the year?.....	NO.	

5. Unfit Houses Closed:-

	Number.	Displaced during year.	
		Persons.	Families.
(1) Under Secs.16(4),17(1) & 35(1), Housing Act,1957 & Sec.26, Housing Act,1961.....	-	-	-
(2) Under Secs.17(3) and 26, Housing Act,1957.....	-	-	-
(3) Parts of buildings closed under Sec.18,Housing Act,1957.....	-	-	-

6. Unfit Houses made Fit:-

	Number:
(1) By owner after informal action by local authority.....	6
(2) After formal notice under Secs.9 & 16,Housing Act,1957.	
(a) by owner.....	2
(b) by local authority.....	-
(3) After formal notice under Public Health Acts.....	1
(4) After modification or revocation of a clearance order under Sec.21, Housing Act,1961.....	-
(5) After determination of a demolition order under Sec.24, Housing Act,1957.....	-
(6) After determination of a closing order under Sec. 27, Housing Act,1961.....	-

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

	No.of Houses.	No.of separate dwellings contained in Col.(1).
Position at end of year:	(1)	(2)
(1) Retained for temporary accommodation -		
(a) Under Section 48.....	-	-
(b) Under Section 17(2).....	-	-
(c) Under Section 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:
	(1)	Col.(1)(2)
Houses in clearance areas other than those included in confirmed orders or compulsory purchase orders.	-	-

HOUSING ACT, 1957 - SECTION 16.

1. Individual houses reported upon to Council.....	-
2. Demolition Orders made.....	-
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.

The conditions which exist at these houses are constantly under review and many improvements have been made and there are yet many to make.

HOUSING ACT, 1969.QUALIFICATION CERTIFICATES.

Applications received in 1969.....	53
Number of premises inspected in 1969.....	20
Number of Certificates issued in 1969.....	0

IMPROVEMENT GRANTS.

It is estimated that there are still 198 premises in the area without some or all of the five 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.	
	Owner/Occupied:	Others:
a) Applications submitted to L.A.		
i) Full Standard.....	12	4
ii) Reduced Standard.....	—	—
b) Total applications approved by L.A.		
i) Full Standard.....	10	3
ii) Reduced Standard.....	—	—
c) Work Completed.....	12	1

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 are taken.

Distributors registered by L.A.

Distributors with premises in district(including shops)..... 67
 Distributors with premises outside district..... 9

M I L K S A M P L E S.

Type.	No. of Samples.	Satisfactory.	Unsatisfactory.
Raw Milk - (T.T.)			
(i) Methylene Blue Test.....	9	6	3
Heat Treated Milk.			
(i) Methylene Blue Test)....	15	15	-
(ii) Phosphatase Test)....		15	-
(iii) Turbidity Test.....		6	-

Samples for Biological Examination.

Total Number of Samples submitted..... 30

	Results			
	Positive.	Negative.	No Result.	Equivocal.
(a) Tuberculosis.....	-	7	-	-
(b) Brucellosis-Ring Test....	-	30	-	-
(c) Brucellosis-Culture Test.	-	-	-	-
(d) Brucellosis-Biological Test.....	-	-	-	-

Brucella Abortus.

One Order was in existence at the end of the year; one new Order was made and withdrawn and another Order was also withdrawn during the year.

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.....	67
Greengrocers and fruiterers(including those selling wet fish, game, etc).....	19
Fishmongers, including those selling poultry, game, etc.....	2
Meat shops(butchers, purveyors of cooked and preserved meats, tripe, etc).....	23
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 & similar catering establishments.....	68
Boarding Houses, Food Stalls and Vehicles, Food Factories.....	125

Section 16 of Food and Drugs Act, 1955.Lancashire County Council Acts or other Local Acts.

Type of Business	No.Registered at 31.12.69.	No. of Inspections.
Manufacturers of preserved food.....	33	Inspections carried out when visiting under Food Hygiene Regulations.
Premises registered for manufacture of Ice Cream.....	3	
Premises registered for sale if Ice Cream.....	123	
Premises in area registered for Food Hawkers.....	14	

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...	3
No.of samples satisfactory.....	2
No.of samples void.....	1

BACTERIOLOGICAL EXAMINATION OF FOODSTUFFS.

Routine control samples were taken for bacteriological examination from a number of premises in the district where meat products are manufactured. Also surface contamination of meat was tested on arrival of the meat at the premises direct from the abattoir.

A table of samples taken is given below:-

<u>Type of Sample.</u>	<u>No. of Samples.</u>	<u>Satisfactory.</u>	<u>Not Satisfactory.</u>
Pork Sausage.	2	-	2
Beef Sausage.	1	1	-
Pork Pie.	1	1	-
Meat Pies.	3	3	-
Beef Burgers.	2	1	1
Potted Shin Beef.	1	1	-
Potted Beef & Ham.	1	1	-
Beef Rissole.	1	1	-
Steak & Kidney Pudding.	1	1	-
Steak & Kidney Pie.	2	2	-
Meat Rissole.	1	-	1
	<hr/> 16	<hr/> 12	<hr/> 4

The results are a great help in maintaining hygienic practices in the manufacturers' premises and many improvements have been made.

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 1968, 67 visits were paid and the following poultry was examined.

Chickens.....	2,865
Turkeys.....	3,780
Ducks.....	27
Geese.....	20
	<hr/> 6,692

- | | |
|--|------------|
| a) No. of poultry-dressing premises within the district..... | 2* |
| b) No. of visits to these premises..... | 67 |
| c) Total no. of birds inspected during the year..... | 6,692 |
| d) Weight of poultry condemned as unfit for human consumption..... | 1,038 lbs. |

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

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 92 samples was obtained comprising 35 milks (3 of which were Channel Islands milk) and 57 others as follows:-

1 Steak & Kidney Pie	1 Baby Food(Strained Dinner).Canned.
2 Dried Peas	1 Baby Food(Strained Peas)Canned.
1 Dried Apricots	1 Candy Floss
1 Calamine Lotion B.P.	2 Ice Cream
1 Bitter Lemon Drink,canned	3 Rock(Sweets)
1 Headache Tablets	1 Bread
1 Stuffing	1 Tinned Plums
1 Shandy, canned	1 Dried Potatoes
1 Fish, canned	1 Plums
1 Glycerin, Lemon,Ipec	3 Table Jelly
1 Flavouring Materials	1 Eardrex Tablets
1 Aspirin Tablets B.P.	1 Saccharin Tablets
1 Double Cream	1 Laxative Tablets
1 Custard (carton)	1 Epsom Salts B.P.
1 Backache Tablets	1 Vitaminised Drinking Chocolate
1 Pain Relief Tablets	1 Lemon Squash(to be diluted)
2 Spaghetti, canned	1 Peanut Butter
1 Beans, canned	1 Mincemeat
1 Coffee Chicory	1 Beef Sausages
1 Dried Separated Milk	1 Beefburgers
Powder with Non-Milk Fat	1 Raisins
1 Part of a Fish Meal	1 Biscuits
1 Librium Capsules	1 Bacon
2 Drinking Chocolate	1 Malt, Milk & Cocoa Beverages
1 Baby Food(Strained Dessert)canned.	1 Jelly with Fruit

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

<u>Sample.</u>	<u>Result of Analysis.</u>	<u>Action taken.</u>
Dried Apricots	Heavily infested with live mites. (Carpoglyphus Lactis)	Remainder of stock withdrawn from sale.
Spaghetti,canned.	Sample consisted of three cans. Vitamin C content 4.8, 4.5, and 3.6 milligrams per ounce compared with 4.3 milligrams declared.	Manufacturers investigated batch coded UR 96L.
Bread.	Contained a fragment of unrisen dough weighing 206 mgms. and stained with 0.485% excess iron (expressed as Fe_2O_3) in the form of hydrated oxides of iron - Base of loaf also impressed with many fragments of bakery char.	Complainant informed and bakery cautioned.

(Contd.)

<u>Sample.</u>	<u>Result of Analysis.</u>	<u>Action taken.</u>
Tinned Plums.	Contained one larva of plum fruit moth.	Complainant and manufacturers informed.
Informal milk.	Deficient of 60% of the minimum requirement of fat & 50.3% of the minimum requirement of solids-not fat and contained 54.7% extraneous water-but the cork liner to the crown cap was incomplete.	Dairy cautioned and complainant informed.
Lemon Squash(to be diluted).	Lable marked "Makes 8 pints when diluted as recommended" without indicating that the final drink would not comply with the accepted standards for a soft drink intended for direct consumption.	Further sample to be obtained.
Beef Sausages.	Meat content 61.0% contained 200 parts per million sulphite preservative(expressed as sulphur dioxide)without declaration.	Vendor cautioned.

UN SOUND FOODSTUFFS.

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

	cwts.	lbs.
Meat at retail shops.....	2.	94.
Cooked Meat and Meat products.....		17.
Canned meats.....		63.
Other canned foods.....	2.	9.
Fruit and Vegetables(fresh).....	1.	34.
Other Foods.....	2.	59.
Fish.....		6.
	9.	58.

A large quantity of foodstuffs was 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.

I C E C R E A M.

During the year there were 3 manufacturers of ice cream and 123 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 of Not.
	1	2	3	4	
1	1	-	-	-	Yes
2	1	-	-	-	Yes
3	1	-	-	-	Yes
4	1	-	-	-	Yes
5	1	-	-	-	Yes
6	1	-	-	-	Yes
7	1	-	-	-	Yes
8	1	-	-	-	Yes
9	1	-	-	-	Yes
10	-	-	1	-	No
11	-	1	-	-	Yes
12	1	-	-	-	Yes
13	1	-	-	-	Yes
14	-	1	-	-	Yes
15	1	-	-	-	Yes
16	-	-	1	-	No
17	-	-	1	-	No
18	-	-	1	-	No
19	-	1	-	-	Yes
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

Ice Cream Samples taken..... 31

Number Satisfactory..... 27

Number not satisfactory..... 4

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

Under the above Regulations, 6 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/69.....	Less than 4
2/IL/69.....	Less than 4
3/IL/69.....	Less than 4
4/IL/69.....	Less than 4
5/IL/69.....	Less than 4
6/IL/69.....	Less than 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 in this connection 362 visits have been paid to premises, stalls and delivery vehicles.

Food Vans.....	26
Stalls.....	4
Butchers Shops.....	45
Grocers Shops.....	61
Greengrocers/Fish Shops.....	28
Hotels, Cafe Kitchens and Canteens.....	56
Fish Friers.....	12
Bakehouses.....	28
Clubs, Public Houses, etc.....	30
Sweets, Confectioners.....	18
Boarding Houses.....	52
Food Factories.....	2

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FOOD HYGIENE(MARKETS, STALLS & DELIVERY VEHICLES)REGULATIONS, 1966.

These Regulations came into force on the 1st January,1967, and apply to market stalls, food businesses carried on from vehicles and to delivery vehicles delivering any kind of foodstuffs. Regular inspections were carried out during the year, of stalls, etc. coming within the scope of these Regulations.

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

[illegible]

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