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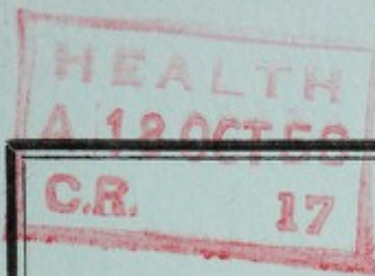
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# **REPORT**

*of*


**The Medical Officer  
of Health**

*for the years ending*

**31st December, 1954**

*and*

**31st December, 1955**



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## HEALTH (including STREET CLEANSING) COMMITTEE 1955

HIS WORSHIP THE MAYOR (Councillor R. Allen)

Councillor H. YATES (Chairman)

Councillor S. L. BIRKETT (Vice-Chairman)

Alderman A. KNOWLES	Councillor M. BUTTERWORTH
Alderman R. B. WILSON, M.B.	Councillor G. BROWN
Councillor B. ARMSTEAD	Councillor F. KING
Councillor H. BATEMAN	Councillor J. F. McHALE

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### HEALTH DEPARTMENT STAFF (1955)

#### *Medical Officer of Health :*

W. F. LYLE, M.D., B.Ch., B.A.O., B.Sc., D.P.H.

#### *Chief Sanitary Inspector :*

W. S. MAKIN, a. b. c.

S. A. GIBSON, a. b. c.

T. H. ASHBROOK, a.

A. L. BAXTER, a. c. d.

G. R. MILLINGTON, a. b. c.

Shops Act Inspector 1

Rodent Control Officers 2

Disinfestation Officer 1

Clerical Staff 2

- (a) Holder of Sanitary Inspectors' Examination Joint Board Certificate.
- (b) Holder of Meat Inspector's Certificate.
- (c) Holder of Sanitary Science and Food Inspection Certificate of School of Hygiene, Liverpool University, Sanitary Science Certificate of Salford Royal Technical College, or Certificate in Hygiene of Royal Institute of Public Health and Hygiene, Leeds.
- (d) National Certificate in Building.



Public Health Department,

Town Hall,

Morecambe and Heysham.

To the Mayor, Aldermen and Councillors  
of the Borough of Morecambe and Heysham.

Mr. Mayor, Ladies and Gentlemen,

I regret that I was unable to prepare at the proper time an annual report on the Health Services of the Borough during 1954, and that this combined report for 1954 and 1955 is appearing rather late even in 1956. I am afraid that occurrences and conditions in 1954 may have lost much interest by now, but it is obligatory, of course, to maintain the record.

I should like to express my sincere appreciation and gratitude to the Borough Council for their generosity and kindness to me in 1955.

Fortunately there is nothing of dramatic interest to report concerning the health of the community in either 1954 or 1955. There were only a few cases of poliomyelitis—seven in both years together, with no deaths. There was a small outbreak of Sonne Dysentery, involving the day nursery, in the winter months, and in 1955 there was the largest total of Whooping Cough notifications since 1951. Immunisation against Whooping Cough is increasing and it can be hoped that the results of this will in time approach those achieved by immunisation against diphtheria.

As always, much time was given to supervision and control of the food trades and, largely because of the great increase in the amount of this work and its very great importance in a holiday resort, an additional Sanitary Inspector was engaged in 1954. In the same year, however, the policy of municipal housing committees changed from that of rehousing those living in rooms towards rehousing those living in substandard houses, and the resulting review of house property in the Borough had to be allowed to occupy most of the time of the new inspector.

I am very grateful to the Health Department staff for their conscientious work always, and for the way in which they carried the department on during my absence in 1955, and I must express my thanks, also, to the officers of other departments who have helped me in the compilation of this report.

I have the honour to be, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

W. F. LYLE,

Medical Officer of Health.

# STATISTICS AND SOCIAL CONDITIONS OF THE BOROUGH

Area in acres (not including foreshore) ... ..	3,665	
Population—Preliminary Census 1951 ... ..	36,709	
Number of inhabited houses—Census 1931 ... ..	5,749	
Registrar-General's estimate of resident population (mid-year) ... ..	<b>1954</b> 36,610	<b>1955</b> 36,690
Number of		
(a) inhabited houses (according to rate books) ... ..	11,605	12,015
(b) shops, warehouses, licensed premises, entertainment and recreational premises, etc. ... ..	1,754	1,727
Rateable value ... ..	£339,779	£349,274
Sum represented by a penny rate ... ..	£1,379	£1,392

## SUMMARY OF VITAL STATISTICS

<b>Births</b>	<b>1954</b>		<b>1955</b>	
Total Live Births ... ..	393		401	
	Male	Female	Male	Female
Legitimate ... ..	197	176	194	187
Illegitimate ... ..	7	13	10	10
	<hr/>		<hr/>	
Total	204	189	204	197
Total Still Births ... ..	12		8	
Legitimate ... ..	6	4	—	6
Illegitimate ... ..	—	2	2	—
<b>Deaths</b>				
Total Deaths ... ..	641		669	
	304	337	303	366
Deaths of Infants under one year of age ... ..	17		23	
Legitimate ... ..	11	6	13	9
Illegitimate ... ..	—	—	—	1
	<hr/>		<hr/>	
Total	11	6	13	10

Deaths of Infants under 4 weeks	1954		1955	
of age ... ..	13		21	
Legitimate ... ..	8	5	13	7
Illegitimate ... ..	—	—	—	1
Total	8	5	13	8

Puerperal Deaths ... ..	Nil		Nil	
Deaths from Cancer (including Leukaemia) ... ..	94		99	
Stomach ... ..	5	6	8	9
Lung, bronchus ... ..	8	2	11	2
Breast ... ..	—	14	—	8
Uterus ... ..	—	5	—	2
Other sites ... ..	25	27	29	28
Leukaemia ... ..	2	—	—	2
Total	40	54	48	51

Deaths from Certain Infective Diseases				
Influenza ... ..	—	1	7	2
Tuberculosis of Respiratory System ... ..	3	—	5	2
Other forms of Tuberculosis	—	—	—	1
Measles ... ..	—	—	—	—
Whooping Cough ... ..	—	—	—	—
Acute Poliomyelitis ... ..	—	—	—	—
Pneumonia ... ..	12	6	7	8
Motor vehicle accidents ...	1		Nil	

# TABLE OF DEATHS FROM ALL CAUSES

	1954			1955		
	Male	Female	Total	Male	Female	Total
1. Tuberculosis respiratory ... ..	3	—	3	5	2	7
2. Tuberculosis, other ... ..	—	—	—	—	1	1
3. Syphilitic disease ... ..	—	1	1	1	1	2
4. Diphtheria ... ..	—	—	—	—	—	—
5. Whooping Cough ... ..	—	—	—	—	—	—
6. Meningococcal infections ... ..	—	—	—	—	—	—
7. Acute Poliomyelitis ... ..	—	—	—	—	—	—
8. Measles ... ..	—	—	—	—	—	—
9. Other infective and parasitic diseases ... ..	—	1	1	1	2	3
10. Malignant neoplasm, stomach	5	6	11	8	9	17
11. Malignant neoplasm, lung bronchus ... ..	8	2	10	11	2	13
12. Malignant neoplasm, breast ...	—	14	14	—	8	8
13. Malignant neoplasm, uterus ...	—	5	5	—	2	2
14. Other malignant and lymphatic neoplasms ... ..	25	27	52	29	28	57
15. Leukaemia, aleukaemia ... ..	2	—	2	—	2	2
16. Diabetes ... ..	1	3	4	5	3	8
17. Vascular lesions of nervous system ... ..	49	79	128	42	81	123
18. Coronary disease, angina ...	49	32	81	63	49	112
19. Hypertension with heart disease	4	4	8	5	3	8
20. Other heart disease ... ..	61	90	151	39	90	129
21. Other circulatory disease ...	10	17	27	6	8	14
22. Influenza ... ..	—	1	1	7	2	9
23. Pneumonia ... ..	12	6	18	7	8	15
24. Bronchitis ... ..	14	13	27	21	12	33
25. Other diseases of respiratory system ... ..	2	1	3	3	2	5
26. Ulcer of stomach and duodenum ... ..	7	—	7	7	1	8
27. Gastritis, enteritis and diarrhoea ... ..	2	—	2	1	6	7
28. Nephritis and nephrosis ... ..	3	1	4	—	1	1
29. Hyperplasia of prostate ... ..	9	—	9	5	—	5
30. Pregnancy, childbirth, abortion	—	1	1	—	2	2
31. Congenital malformations ...	4	1	5	1	4	5
32. Other defined and ill defined diseases ... ..	25	23	48	30	29	59
33. Motor vehicle accidents ... ..	1	—	1	—	—	—
34. All other accidents ... ..	6	6	12	3	6	9
35. Suicide ... ..	2	3	5	4	2	6
36. Homicide and operations of war ... ..	—	—	—	—	—	—

**TABLE OF BIRTH AND DEATH RATES**

Morecambe and Heysham M.B.	Live Births		Deaths (all causes)		Stillbirths		Maternal Mortality		Infant Mortality			Resp. Tub.	Malg. neo- plasms. etc.	
	No. regis- tered	Rate per 1,000 pop'n.	No. regis- tered	Rate per 1,000 total births	No. of deaths regis- tered	Rate per 1,000 total births	Total		Neo-natal					
							No. of deaths regis- tered	Rate per 1,000 live births	No. of deaths regis- tered	Rate per 1,000 live births				
Year 1955	401	*10.9	669	*18.2	8	20	2	4.89	23	57	21	52	0.19	2.70
Year 1954	393	10.7	641	17.5	12	30	1	2.47	17	43	13	33	0.08	2.57
Year 1953	418	11.5	536	14.8	9	21	nil	nil	16	38	13	31	0.06	2.09
Year 1952	416	11.5	607	16.7	6	14	nil	nil	31	75	10	24	0.14	2.89
Year 1951	428	11.6	751	20.4	22	49	nil	nil	13	30	12	28		
Year 1950	404	10.9	697	18.8	10	24	nil	nil	16	40	10	25		
Average 5 years— 1950-1954	—	11.2	—	17.6	—	27.6	—	0.5	—	45	—	28		

\*Adjusted live-birth rate (comparability factor, 1.23) = 13.4  
Adjusted death rate (comparability factor, 0.71) = 12.0

# MAIN CAUSES OF DEATH IN 1954/55 COMPARED

HEART AND CIRCULATORY DISEASES	VASCULAR LESIONS OF NERVOUS SYSTEM
CANCER	
* RESPIRATORY DISEASES	
VIOLENCE	
DIGESTIVE DISEASES	
DISEASES OF KIDNEY AND PROSTATE	
TUBERCULOSIS—ALL FORMS	
INFECTIVE DISEASES (excluding Tuberculosis)	
ALL OTHER CAUSES	

\* Excluding Tuberculosis : including influenza

## **LABORATORY AND HOSPITAL FACILITIES**

Laboratory investigations are carried out by Dr. Rickards and his staff at the Pathology Laboratory in the Royal Lancaster Infirmary and samples taken in accordance with the Food and Drugs Act, 1938, are analysed by the Public Analyst, Dr. Walker, of Preston. To both Dr. Rickards and Dr. Walker I am grateful for the guidance and help that they are always so willing to give.

## **NATIONAL ASSISTANCE ACT, 1948 — SECTION 47**

No applications were made under this Act for the removal to suitable premises of persons in need of care and attention.

Visits have been paid to several elderly people living alone concerning whom there were suggestions that they were no longer fit to look after themselves, but in each case it has been possible to make arrangements less distressing for them than the measures provided by the Act.

## **TREATMENT CENTRES AND CLINICS**

The Tuberculosis and Venereal Diseases Clinics are administered by the Regional Hospital Board and the School and Maternity and Child Welfare Clinics by the County Council.

# SANITARY CIRCUMSTANCES OF THE AREA

## Water Supply.

There were no changes during the years 1954/55 in the source of supply.

The following extensions of the service were made during the year 1954 :—

Knowlys Road .....	176 yds. 6 ins.
Lowther Avenue .....	51 yds. 4 ins.
Walton Avenue (extension) .....	24 yds. 4 ins.
Wakefield Avenue .....	76 yds. 4 ins.
Ridge Grove .....	72 yds. 4 ins.
Branksome Estate .....	805 yds. 4 ins.
Wharfedale Estate .....	344 yds. 4 ins.
Beaufort Road .....	232 yds. 4 ins.
St. Christopher's Way .....	144 yds. 4 ins.
Anstable Road .....	28 yds. 4 ins.
Westgate Caravan Site .....	176 yds. 4 ins.
Brooklands Drive .....	156 yds. 4 ins.
Lea Lane .....	96 yds. 4 ins.
Trumacar Estate (Site 2E) .....	56 yds. 4 ins.
Clarkfield Drive .....	80 yds. 4 ins.
Sewage Works, Schola Green Lane	40 yds. 4 ins.
Alan Grove .....	90 yds. 4 ins.
Michaelson Avenue .....	98 yds. 4 ins.
Taylor Grove .....	52 yds. 3 ins.
Grange Street (extension) .....	22 yds. 3 ins.
Sewage Works, Schola Green Lane	88 yds. 3 ins.
New Central Conveniences .....	5 yds. 3 ins.

The purity of the water, checked by 90 bacteriological analyses and 51 chemical analyses, was satisfactory. There was continuous chlorination of all water leaving the two filter houses.

The following extensions of the service were made during the year 1955 :—

Heysham Reservoir .....	8 yds. 9 ins.
Central Pier Forebay .....	39 yds. 6 ins.
Euston Road .....	400 yds. 6 ins.
Euston Road .....	58 yds. 3 ins.
Branksome Estate .....	460 yds. 4 ins.
Homfray Grove } .....	
Stanhope Avenue } .....	488 yds. 4 ins.
St. Christopher's Way .....	32 yds. 4 ins.
Walton Avenue } .....	
Lowther Avenue } .....	88 yds. 4 ins.
Anstable Road } .....	
Clarkfield Drive } .....	358 yds. 4 ins.
Greenlea Drive } .....	
Glen View Crescent .....	48 yds. 4 ins.
Beaufort Road .....	44 yds. 4 ins.
Hawthorn Road .....	48 yds. 4 ins.
Strickland Drive, etc. ....	532 yds. 4 ins.
Wharfedale Estate .....	272 yds. 4 ins.
Oak Avenue .....	80 yds. 4 ins.
Corringham Road } .....	
Willow Grove } .....	72 yds. 4 ins.
Michaelson Avenue .....	12 yds. 4 ins.
Norwood Drive .....	94 yds. 4 ins.
Woodlands Drive .....	48 yds. 4 ins.
Lea Lane .....	17 yds. 4 ins.
Newlands Road .....	24 yds. 4 ins.
Brooklands Drive .....	4 yds. 4 ins.
Lowlands Road .....	40 yds. 4 ins.
Fairhope Avenue .....	24 yds. 4 ins.
Glen View Drive .....	49 yds. 4 ins.
Regent Park Avenue .....	48 yds. 4 ins.
Oxcliffe Road .....	56 yds. 3 ins.
Westborough Close .....	52 yds. 3 ins.

The purity of the water, checked by 72 bacteriological analyses and 61 chemical analyses, was satisfactory. There was continuous chlorination of all water leaving the two filter houses.

Typical chemical and bacteriological analyses of the water are shown in the following tables.

## Chemical Examination.

Numerical Results all in parts per 100,000.

Colour .....	Nil
Turbidity .....	Nil
Oxygen Absorbed (4 hrs. at 27°C) .....	0.070
Free and Saline Ammonia (as $\text{NH}_3$ ) .....	Nil
Albumoid Ammonia (as $\text{NH}_3$ ).....	Nil
Nitrous Nitrogen (as $\text{NH}_3$ ) .....	Nil
Nitric Nitrogen (as $\text{NH}_3$ ) .....	0.015
Chlorides (as Cl) .....	1.0
Hardness Temporary .....	1.0
„ Permanent .....	3.0
„ Total .....	4.0
Reaction pH .....	7.8
Solids in Solution .....	8
Action on Lead (24 hours) .....	Under 0.01

# BACTERIAL CONTENTS OF DRINKING WATER

Senders Identity of Samples	Dept. Ref.	Date Received	Bacterial Colonies per ml. Agar 37° C	COLIFORM BACILLI PER 100 M.L.			
				Total	Faecal B. Coli 44° C	I.A.C. Group	Other Organisms
1	32,720 From Scotforth Filters	15/12/54 Filters : Battery Nos. 1 and 2	Nil	Nil	—	—	—
2	721 From Scotforth Filters	15/12/54 Filters : Battery No. 3	Nil	Nil	—	—	—
3	722 From Langthwaite Filters	15/12/54 Filters : Battery Nos. 1 and 2	Nil	Nil	—	—	—
4	723 From Langthwaite Filters	15/12/54 Filters : Battery Nos. 3 and 4	1	Nil	—	—	—
46	2,670 Town Hall, Morecambe	1/2/54 Morecambe and Heysham	1	Nil	—	—	—
112	5,290 15, Seaborn Road, Morecambe	2/3/54 Morecambe and Heysham	1	Nil	—	—	—
406	15,841 26, Norton Road, Morecambe	22/6/54 Morecambe and Heysham	Nil	Nil	—	—	—

# BACTERIAL CONTENTS OF DRINKING WATER

Senders identity of sample	Dept. Ref.	Date Received	Bacterial Contents per ml. Agar 37°C	COLIFORM BACILLI PER 100 M.L.			
				Total	Faecal B. Coli 44°C	I.A.C. Group	Other Organisms
1	29479	17/10/55 (From Lancaster Filters)	No. Cols.	Nil	Nil	Nil	—
2	480	17/10/55 (From Lancaster Filters)	No. Cols.	Nil	Nil	Nil	—
3	481	17/10/55 (From Lancaster Filters)	5 Cols.	Nil	Nil	Nil	—
4	482	17/10/55 (From Lancaster Filters)	5 Cols.	Nil	Nil	Nil	—
5	483	17/10/55 (From Lancaster Filters)	2 Cols.	Nil	Nil	Nil	—
714	19532 (From Town Hall, Morecambe and Heysham)	29/6/55	No. Cols.	Nil	Nil	Nil	—
716	19534 (From Heysham Head Pleasure Gardens)	29/6/55	No. Cols.	Nil	Nil	Nil	—
766	20751 (From Swimming Stadium Drinking Fountain)	29/6/55	No. Cols.	1	Nil	Nil	—

The following figures give the consumption for the past eight years.

Year	Morecambe	Heysham
1948	408,144,000 gallons	170,287,000 gallons
1949	454,545,000 „	164,464,000 „
1950	456,859,000 „	165,897,000 „
1951	441,043,000 „	180,712,000 „
1952	493,189,000 „	207,794,000 „
1953	466,305,000 „	221,731,000 „
1954	484,605,000 „	221,759,000 „
1955	494,362,000 „	234,529,000 „

Daily consumption of Morecambe and Heysham in 1955 : 1,996,961 or 50 gallons per day per head.

### **Cleansing of Dykes and Watercourses**

All the main watercourses have been cleaned and the grass banks trimmed. A certain amount of strutting and retaining work has been carried out on the Bare Golf Course dyke following subsidence. The Oxcliffe dyke has been culverted across the new Gas Works site at White Lund.

Because of the very dry summer in 1955 few complaints about flooding of land have been received, whilst spraying with malariol has been carried out at appropriate times.

### **New Sewerage Scheme**

The Resident Engineer has kindly provided the following summary of work done during 1954 and 1955 :—

#### **1954**

##### **(1) Schola Green Lane Pumping Station.**

All major work, including the construction of the new Sub-Station and Mess Room and the electrical wiring to all buildings was completed. Repairs to Storage Tanks Nos. 6, 7 and 8, the levelling and laying out of the ground round the Pumping Station, the completion of the road work and the erection of boundary fences and gates remain to be done.

**(2) Bare Lane Pumping Station**

Apart from routine maintenance of the structure, no work has been carried out but arrangements have been put in hand for an early start to be made in 1955 with the erection of the plant.

**(3) Seaward section of Outfall Sewer**

The total length of pipe line laid under this contract was 1,342 yards, leaving a length of 67 yards still to be laid to complete the sewer. The timber gantry, measuring 667 yards, was completed.

**(4) Collecting sewer from Bare and Torrisholme**

This work was completed.

**(5) Investigation of sub-soil strata on lines of future sewers**

This work was completed in November, 1954. A total number of 79 bores were taken, which include ten (at White Lund) for the Borough Surveyor.

**(6) Main collecting sewer between Euston Road Station and Schola Green Lane Pumping Station**

This contract was commenced in August, 1954, and was delayed by bad weather. At the end of the year about 81 lin. yards out of a total length of about 400 lin. yards of sewers had been completed.

**(7) Collecting sewers in the West End area**

This work was commenced in November, 1954, and sections were opened up in Woodhill Lane and Albert Road.

**(8) Investigations**

Investigations were made regarding existing public services buried in streets in the Central, Bare and Bare Lane areas of the town, which will be affected by the laying of the new sewers in those districts.

**(1) Schola Green Lane Pumping Station**

The Contract was let for the repairs to the storage tanks Nos. 6, 7 and 8, but little progress was made by the end of the year.

**(2) Bare Lane Pumping Station**

The suppliers of the plant for this station had practically completed the erection of the pumps, motors and panel by the end of the year.

**(3) Seaward Section of the Outfall Sewer**

The Outfall sewer was completed, both gantries removed and steps were in progress to remove the temporary office building on the Promenade.

**(4) Main Collecting Sewer between Euston Road Station and Schola Green Lane Pumping Station**

The work of this Contract was almost completed by the end of the year.

**(5) Collecting Sewers in the West End area**

The laying of the sewer in Albany Road from Woodhill Lane had been practically completed at the end of December 1955, as was the sewer in Albert Road, between Balmoral Road and the Promenade. The sewer in Windsor Grove from Albany Road to Regent Road through Regent Park was commenced and at the end of the year about 40 1in. yards had been completed.

**(6) Collecting sewers in Bare Lane area**

This work was commenced in August 1955, and at the end of the year the main 36" dia. pipe had been completed from the Pumping Station at Bare Lane to the position of manhole 16, situated in Bare Lane itself, at the junction of the future road to be named "Fairhope Avenue."

**Closet Accommodation**

Number of houses on water carriage system .....	11,967
,,   ,,   fresh water closets .....	13,448
,,   ,,   waste water closets .....	20
,,   ,,   middens .....	5
,,   ,,   closets attached to middens .....	5
,,   ,,   dry ashpits (excluding middens) .....	10
,,   ,,   movable ashbins .....	14,159

## PUBLIC HEALTH ACT, 1936

### Inspections

Visits of inspection	1954	1955
Complaints received .....	781	742
Visits .....	781	746
Nuisances discovered .....	729	616
Nuisances abated .....	688	560
Referred to other departments .....	74	81
Revisits .....	548	620
Miscellaneous visits .....	96	109
Smoke observations .....	2	10
Informal notices served .....	93	159
Abatement notices served .....	11	27
Visits to schools .....	1	2
Visits to licensed premises .....	5	17
Visits to entertainment premises .....	13	—

### Legal Proceedings

During 1954 proceedings were instituted in the Magistrates' Court in respect of a substantial detached house the owner of which had failed to comply with the terms of a statutory notice. The court made an order to carry out the work within 28 days failing which the local authority would do the work and recover costs. The owner did not comply with the court order and the work was undertaken by the Corporation.

Summary of work done	1954	1955
Drains choked .....	476	354

(Many of the drains included in the above are properly named "Sewers" as they served more than one building and legally are maintained either privately or by the council doing the work at the expense of the owners served. They are classified as drains in this summary to distinguish them from the council's sewers).

	1954	1955
Drains defective .....	26	57
Sewer choked .....	1	2
Sewer surcharging .....	2	2
Gully choked .....	17	3
Gully defective .....	1	1
Gully top badly set .....	—	3
W.C. choked .....	3	6
W.C. insanitary .....	—	1
Waste W.C. defective and converted to fresh W.C. ....	1	—
W.C. seat broken .....	—	1
W.C. defective .....	—	1
Ventilating pipe to drain short .....	1	2
Trough closets insanitary .....	—	2
Cesspool overflowing .....	2	1
Inspection chamber cover broken .....	1	1
Soil pipe cracked .....	—	2
Waste pipe choked .....	4	2
Waste pipe discharging improperly ...	—	1
Waste pipe broken .....	5	6
Sink, old and worn .....	1	—
Lavatory basin cracked .....	—	1
Insanitary surround to kitchen sink .....	1	1
R.W. downspout broken .....	5	2
R.W. downspout choked .....	1	2
Eavesgutter absent .....	3	7
Eavesgutter broken .....	15	2
Eavesgutter choked .....	—	4
Chimney breast damp .....	6	2
Chimney flue defective .....	2	3
Chimney stack (defective rendering) .....	1	1
Roof leaking .....	16	5
Roof (bay) leaking .....	6	2
Roof (annexe) leaking .....	4	1
Roof (W.C.) leaking .....	1	1
Ridge tiles missing and broken .....	—	2
Defective valley gutter .....	3	—
Skylight defective .....	3	2
Walls, penetrating dampness .....	6	10
Walls, defective pointing .....	4	2
Walls, rising dampness .....	13	7
Walls, external rendering broken .....	3	2
Walls, defective (cracked) .....	2	1
Wall plaster, perished and broken .....	2	2
Ceiling plaster perished .....	4	1

	1954	1955
Windows, perished woodwork .....	3	7
Windows, no sashcords .....	1	3
Window frames, pointing defective .....	—	2
Fireplace defective .....	2	2
Firegrate broken .....	—	2
Floor wood, perished .....	2	1
Back boiler leaking .....	—	1
Floor wood, woodworm infested .....	3	—
Floor defective .....	—	2
Floor, woodwork rotten .....	2	—
Floor damp .....	—	1
Floor, dry rot .....	1	—
Underfloor ventilation inadequate .....	1	—
Door badly hung .....	—	1
House generally dilapidated .....	2	1
Door frame defective .....	—	1
Rooms dirty .....	2	2
Water pipe burst .....	2	4
Cistern leaking .....	—	1
Water in cellar .....	18	6
Gas pipe leaking .....	—	1
Flooded area .....	1	—
Water over site and under floor .....	2	7
Accumulation of refuse on vacant land	11	1
Yard surface defective .....	1	—

#### **Drainage**

Visits .....	552	450
Re-visits .....	391	240
Drains tested .....	214	108
New drains tested .....	124	128
Informal notices .....	27	47
Formal notices .....	14	23

#### **Supply of dust bins**

Visits .....	16	27
Re-visits .....	21	7
Informal notices served .....	3	—
Formal notices served .....	—	—
Ashpits converted .....	—	—

#### **Stables and Piggeries**

Visits .....	—	3
--------------	---	---

## Camping Sites

There are seven camping sites licensed by the Council under Section 269 of the Public Health Act, 1936, and all are kept under supervision. The addresses of the sites are as follows:—

Municipal Caravan Camp, Westgate.  
Vickers Holiday Camp, Westgate.  
Regent Camping Ground, Regent Road.  
Meadowfield Camping Ground, Middleton Road.  
Broadgate Foot, Middleton Road.  
Torrisholme Hall Farm, Slyne Road.  
Summerville Camping Ground, Acre Moss Lane.

The total permitted number of caravans on these sites is 658.

Use has been made of the Town and Country Planning Act to move permanently occupied caravans off unlicensed sites.

In September 1954 the Council decided to establish a municipal camping site, mainly for holiday campers, but with, in addition, a small area for the location of permanently occupied caravans. The site chosen is on Westgate and was planned to take 184 holiday caravans and 36 permanently occupied caravans. In 1955 it was possible only to use part of the site, and but for part of the season, but the comments of those who came there, and the bookings and enquiries for the future, promised well for the venture. There are various improvements which can still be made to attract the holiday caravanner and the income from the lettings should soon provide the money to pay for them.

Frequent visits were paid to the licensed sites during the season and all were satisfactorily managed.

Visits .....	30
Visits to unlicensed sites .....	20

## Swimming Baths

There is one Public Swimming Bath, the municipally owned Super Swimming Stadium, with a water capacity of 1,250,000 gallons. Included in the establishment is a Remedial and Slipper Bath section.

The water, which is drawn from the sea and stored in a settling tank before use in the bath, is maintained at a high standard of bacteriological purity by means of a Vacuum Solution Chlorinator and a Hydraulic Solution Feeder for Alkali.

In addition to the daily check at the Bath, the water is bacteriologically analysed at intervals with the following results in 1954/55.

	1954	1955
Visits to pool and paddling pools ...	31	19

24 bacteriological analyses were made as follows :

Inlet .....	10	8
Outlet .....	10	8
Pool centre .....	10	8

The bacteriological reports were all excellent and a specimen is shown below :—

Ref. No.	Date	Bacterial Colonies	Coliform Bacilli per 100 c.c.	Location
724	30th June	Nil	Nil	Inlet
725	30th June	1	1	Pool Centre
726	30th June	2	2	Outlet

A report on a sample of the water before chlorination shewed a spreading growth of bacterial colonies with over 180 Coliform Bacilli per 100 c.c.

Disinfestation	1954	1955
Number of verminous houses inspected .....	21	17
Number of verminous houses re-inspected ...	7	21
Number of verminous houses disinfested ...	10	12
Number of premises treated for insects .....	89	103
Number of visits by inspectors .....	17	22
Number of wasps nests destroyed .....	3	18

### Offensive Trades

There are three premises in which offensive trades are conducted; in two of these the trade is tripe dressing, and in the third it is gut scraping. All were satisfactorily conducted.

Number of visits in 1954/55 ..... 16

### Tents, Vans and Sheds

21 inspections were made during 1954/55. No legal action was necessary.

### Keeping of Animals

Visits 1954/55 ..... 22

### Disease of Animals Acts

There was one case of Swine Fever in 1954 and movement restrictions were imposed on the premises because of it.

In 1955 an outbreak of Swine Fever occurred at one piggery which continued for seven months. During this period 31 pigs died and their carcasses were destroyed under the supervision of the Department.

The Swine Fever (Infected Districts) Order, 1955, regulated the movement of swine into, out of and within the area and this resulted in the issuing of 218 movement licences.

The existence of Fowl Pest was reported by one poultry keeper but his premises were declared free after a period of several days restriction.

Number of visits to premises 1954/55 ..... 28

### Pet Animals Act 1951

This Act, which came into operation on the 1st April, 1952, regulates the sale of pet animals, and provides that no person shall keep a pet shop except under the authority of a licence granted by the Local Authority.

The conditions of the licence include :

- (a) that animals will at all times be kept in accommodation suitable as respects size, temperature, lighting, ventilation and cleanliness.

- (b) food and drink supply must be adequate.
- (c) that animals will not be sold at too early an age.
- (d) that precautions will be taken to prevent the spread among animals of infectious diseases.
- (e) that appropriate steps will be taken in case of fire or other emergency.

	1954	1955
Number of premises licensed .....	3	4
Number of visits .....	8	15

In all premises the conditions of the Act were being complied with.

## RATS AND MICE DESTRUCTION

### Rodent Control in Sewers

Maintenance treatments of sewer manholes were continued in accordance with the requirements of the Ministry of Agriculture. Two treatments were carried out at intervals of six months and the numbers of manholes treated were 31 and 56 respectively in 1954, and 59 and 69 in 1955.

The results were as follows :

First treatment	1954	1955
Number of manholes showing pre-bait take .....	13	11
Number of manholes showing poison bait take .	7	8
Second treatment		
Number of manholes showing pre-bait take .....	13	17
Number of manholes showing poison bait take .	11	15

In the following tables the work done during each year is analysed.

# TYPE OF PROPERTY—1954

	Local Authority	Dwelling Houses	Agricultural	All other (including business premises)	Total
I. Total number of properties in Local Authority's District (Notes 1 and 2).	36	11,348	160	1,745	13,289
II. Number of properties inspected by Local Authority during 1954 as a result of (a) notification, (b) survey or (c) otherwise (Notes 1, 2 and 3).	(a) 5	104	9	46	164
	(b) 31	8	78	201	318
	(c) —	8	—	29	37
III. Number of properties inspected (See Section II.) which were found to be infested by rats (Notes 1, 2 and 3).	Major 4	—	4	7	15
	Minor 15	51	61	97	224
IV. Number of properties inspected which were (See Section II.) found to be seriously infested by mice (Notes 1, 2 and 3).	4	59	—	165	228
V. Number of infested properties (See Section III. and IV.) treated by the Local Authority (Notes 1, 2 and 3).	21	109	65	268	463
VI. Number of notices served under Section 4 :—	—	—	—	—	—
(1) Treatment.	—	—	—	—	—
(2) Structural Works. (i.e. Proofing).	—	—	—	—	—

VII. Number of cases in which default action was taken by Local Authority following issue of notice under Section 4.	—	—	—	—	—
VIII. Legal Proceedings.	—	—	—	—	—

IX. Number of "block" control schemes carried out ... .. 21

# TYPE OF PROPERTY—1955

	NON AGRICULTURAL				
	(1) Local Authority	(2) Dwelling Houses (inc. Council Houses)	(3) All other (including Business Premises)	(4) Total of Cols. (1) (2) & (3)	(5) Agricultural
I. Number of properties in Local Authority's District.	36	11,671	1,758	13,465	160
II. Number of properties inspected as a result of :	3	109	38	150	7
(a) Notification.	19	7	127	153	35
(b) Survey under the Act.	—	5	23	28	—
(c) Otherwise (e.g. when visited primarily for some other purpose)					
III. Total inspections carried out—including re-inspections. (To be completed only if figures are readily available).					
IV. Number of properties inspected (in Sect. II.) which were found to be infested by :					
(a) Rats	1	—	6	7	3
(b) Mice	10	26	63	99	21
(c) Major	—	—	10	10	—
(d) Minor	—	95	109	204	—
V. Number of infested properties (in Sect. IV.) treated by the L.A.	11	121	188	320	24
VI. Total treatments carried out including re-treatments.	23	163	237	423	35

VII. Number of notices served under Section 4 of the Act : (a) Treatment. (b) Structural Work.						
VIII. Number of cases in which default action was taken following issue of notice under Section 4 of Act.						
XI. Legal Proceedings.						
X. Number of "Block" control schemes carried out.	2	6	7	15	—	

## SHOPS ACT 1950 AND YOUNG PERSONS (EMPLOYMENT)

### ACT 1938

The number of premises in the Borough to which these two Acts apply increased from 927 in 1954 to 939 in 1955. These premises were inspected and particulars obtained about the nature of the business carried on, the conditions of employment of Young Persons, records of Sunday employment, assistants weekly half holidays etc.

Observational patrols were carried out on Sundays and during week-day evenings. On Sunday, 19th June, 1954, 28 shopkeepers were reported for contravention of the Sunday trading regulations and all of these were cautioned by the Town Clerk. At Morecambe Police Court on January 15th, 1954, one shopkeeper was fined 10/- for contravention of these regulations during the previous month.

No contraventions of the Young Persons (Employment) Act were found.

Particular attention was paid to the provision of toilet accommodation, washing facilities and the heating and ventilating of premises where staff were employed, and full co-operation was obtained from the employers in these matters.

Approximately 1,286 full-time assistants were employed in premises subject to the two Acts and enquiries were made concerning their holidays, compensatory time for Sunday work, meal-time reliefs and seats for females.

Mixed businesses permitted to remain open on Sundays and on the weekly half-days for the sale of certain goods were visited in order to ensure that the various statutory notices were being exhibited.

It is apparent that the great majority of the shopkeepers in the Borough are fully co-operative in the administration of the Shops Act and amongst the remainder there has been marked improvement during recent years. The main complaint about the restrictions on Sunday trading come from proprietors of mixed grocery businesses, who say that there is a constant demand for goods which they are not allowed to sell on Sundays from boarding house keepers and caravan holiday makers.

The ratio of shops to population in 1955 was 1 : 40.8.

	1954	1955
Visits to shop premises .....	1108	995
Inspections .....	837	520
Re-visits .....	32	28
Verbal warnings .....	18	6
Informal notices served re absence of and improper keeping of records .....	21	48
Informal notices served re absence of sufficient and suitable means of heating .....	2	1
Informal notices served re absence of suitable and sufficient sanitary conveniences .....	3	1
Informal notices served re absence of suitable and sufficient washing facilities .....	2	2
Visits to places of Public Entertainment, Young Persons (Employment) Act, 1938 .....	28	68

# FACTORIES ACT, 1937

1.—INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors) 1954

Premises	Number on Register	Number of			Occupiers prosecuted
		Inspections	Written notices		
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... ..	44	41	7		—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..	111	93	13		—
(iii) Other Premises under the Act (excluding out-workers' premises) ... ..	3	—	—		—
<b>TOTAL</b> ... ..	158	134	20		—

2.—CASES IN WHICH DEFECTS WERE FOUND. 1954

Particulars	Number of cases in which defects were found				
	Found	Remedied	To H.M. Inspector	Referred	By H.M. Inspector
Want of cleanliness (S.1) ... ..	3	4	—	—	—
Overcrowding (S.2) ... ..	—	—	—	—	—
Unreasonable temperature (S.3) ... ..	—	—	—	—	—
Inadequate ventilation (S.4) ... ..	1	1	—	—	—
Ineffective drainage of floors (S.6) ... ..	4	4	—	—	—
Sanitary Conveniences (S.7)					
(a) Insufficient ... ..	2	2	—	—	—
(b) Unsuitable or defective ... ..	—	—	—	—	5
(c) Not separate for sexes ... ..	—	—	—	—	—
Other offences (not including offences relating to Outwork) ... ..	—	—	—	—	—
<b>TOTAL</b> ... ..	10	11	—	—	5
No. of outworkers making wearing apparel ... ..					2

# **FACTORIES ACT, 1937.**

1.—INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors) 1955.

Premises	Number on Register	Number of			Occupiers Prosecuted
		Inspections	Written Notices		
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... ..	44	27	13		—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..	111	113	2		—
(iii) Other Premises under the Act (excluding out-workers' premises) ... ..	3	—	—		—
<b>TOTAL</b> ... ..	158	140	15		—

2.—CASES IN WHICH DEFECTS WERE FOUND. 1955.

Particulars	Number of Cases in which defects were found			
	Found	Remedied	To H.M. Inspector	Referred By H.M. Inspector
Want of Cleanliness (S.1.) ... ..	1	3	—	—
Overcrowding (S.2.) ... ..	—	—	—	—
Unreasonable temperature (S.3.) ... ..	—	—	—	—
Inadequate Ventilation (S.4.) ... ..	2	1	—	—
Ineffective drainage of floor (S.6) ... ..	7	9	—	—
Sanitary Convenience (S.7.) ... ..				
(a) Insufficient ... ..	1	—	—	—
(b) Unsuitable or defective ... ..	2	1	—	5
(c) Not separate for sexes ... ..	1	1	—	2
Other offences (not including offences relating to Outwork) ... ..	—	—	—	—
<b>TOTAL</b> ... ..	14	15	—	7

No. of outworkers making wearing apparel ... .. 2

## PUBLIC CLEANSING — 1954 and 1955

Extremes are rarely welcome and with the cleansing service the climatic conditions of 1954 and 1955 were no exceptions.

Both the atrocious weather of 1954 and the more beneficial extreme of 1955 inflicted upon the department new maximum calls on its resources.

During 1954 sick pay rocketed to more than £1,200 and the loss of income amounted to nearly £2,000. The need for house fires during the "summer" added 500 tons of refuse to the normal total. There was also a sharp drop in the number of street gullies cleansed owing to the machine being used to empty flooded cellars.

The extremely fine weather of 1955 did bring a welcome increase of income but, unfortunately, it was also responsible for the heaviest weight of glass ever collected from the foreshore. Broken glass when left on any surface is a menace, but when it is partly buried in sand it is deadly. Those who are responsible for this evil can, of course, be prosecuted, but witnesses are required, and holiday makers do not wish to be recalled to give evidence and are therefore not willing to report the incidents they see.

### Staff

Despite the uncongenial work of refuse collection the service attracts a good type of workman and consequently this section of the department operates regularly and efficiently. However, the position with the street cleansing section is not so bright.

Sweeping the streets no longer appeals to men of good physique and it is quite proper to say such work is now considered to be an old man's job. This point of view is prevalent throughout the country and the only solution to the problem appears to be purchase of additional mechanical equipment.

Unfortunately machines are not so versatile as men, they cannot sweep footpaths or cul-de-sacs and when sweeping streets where vehicles are parked along the kerbstone they leave an unsightly trail on the carriageway.

### Sickness

The average sickness and absence rate for 1954 was 5.296%; the maximum being 9.2% in January and the minimum 1.29% in April. The average for 1955 was 6.398%; the maximum being 10.7% in January and the minimum 3.57% in July.

# STATISTICS FOR 1954

## House and Trade Refuse Collection

	Loads	T.	C.	Q.
House and Trade Refuse ...	7536	14961	8	3
Raw Kitchen Waste .....	320	75	5	2
Fish and Shrimp Offal .....	568	193	9	1
Slaughterhouse Manure .....	163	114	11	0
	<hr/>	<hr/>	<hr/>	<hr/>
	8587	15344	14	2
	<hr/>	<hr/>	<hr/>	<hr/>

## Refuse Disposal

Controlled Tip .....	6887	14563	5	0
Salvage Plant .....	649	398	3	3
Trade Waste Plant .....	1051	383	5	3
	<hr/>	<hr/>	<hr/>	<hr/>
	8587	15344	14	2
	<hr/>	<hr/>	<hr/>	<hr/>

## Trade Waste Plant Sales

	T.	C.	Q.	lb.	£	s.	d.
Fish Manure .....	16	10	0	7	687	18	4
Shrimp Manure .....	8	7	0	0	250	10	0
Conc. Kitchen Waste ...	52	13	0	0	422	11	8
Bones .....	7	4	0	0	37	14	3
Fat .....	5	16	0	16	217	15	5
Slaughterhouse Manure		17	0	7	31	19	6
Meat Meal .....		8	0	0	16	16	0
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	91	15	1	2	1665	5	2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>

## Salvage Sales

Waste Paper .....	342	5	0	0	2724	3	3
Textiles .....	6	12	3	0	140	12	0
Non-ferrous Metals ...		11	1	5	57	19	10
Black Scrap .....		15	0	0	1	2	6
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	350	4	0	5	2923	17	7
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>

## STATISTICS FOR 1955

### House and Trade Refuse Collection

	Loads	T.	C.	Q.
House and Trade Refuse ...	8075	14446	1	3
Raw Kitchen Waste .....	235	53	16	0
Fish and Shrimp Offal .....	576	198	17	0
Slaughterhouse Manure .....	226	106	4	2
	<hr/> 9112	<hr/> 14804	<hr/> 19	<hr/> 1

### Refuse Disposal

Controlled Tip .....	7198	14027	5	0
Salvage Plant .....	885	418	16	3
Trade Waste Plant .....	1029	358	17	2
	<hr/> 9112	<hr/> 14804	<hr/> 19	<hr/> 1

### Trade Waste Plant Sales

	T.	C.	Q.	lb.	£	s.	d.
Fish Manure .....	16	6	1	21	678	5	6
Shrimp Manure .....	10	1	2	7	302	7	9
Conc. Kitchen Waste ...	32	18	2	0	254	2	6
Bones .....	7	10	2	0	39	15	7
Fat .....	3	8	2	0	141	16	3
Slaughterhouse Manure	15	17	0	26	298	3	3
Oyster Shell .....	3	0	0	0	4	2	6
	<hr/> 89	<hr/> 2	<hr/> 2	<hr/> 26	<hr/> 1718	<hr/> 13	<hr/> 4

### Salvage Sales

Waste Paper .....	344	2	3	0	3143	1	6
Textiles .....	8	1	2	0	197	8	6
Non-ferrous Metal ...	1	6	1	20	161	6	7
Black Scrap .....	16	18	2	0	48	0	6
Rubber .....		3	0	0		15	0
	<hr/> 370	<hr/> 12	<hr/> 0	<hr/> 20	<hr/> 3550	<hr/> 12	<hr/> 1

### Rag Flock and Other Filling Materials Act, 1951

	1954	1955
Number of premises registered .....	4	4
Number of visits .....	4	4

## HOUSING

### (1) General observations

During 1954 new legislation was introduced in the form of the Housing Repairs and Rents Act, which was primarily designed to encourage the better maintenance of the older type of property in return for an increase of rent. Advice on the Act was given to many tenants and a Certificate of Disrepair was issued in one instance.

Preliminary surveys were made of certain properties in the Borough with a view to possible clearance in the near future, and it was decided to apply for a Clearance Order to be made for twenty-eight sub-standard dwellings comprising railway coaches, trailers, vans and huts in Railway Avenue and Watson's Avenue.

Informal action resulted in the owners of 7 unfit houses agreeing to closure after the occupiers had been re-housed by the Housing Committee.

### 1955

Early in the year a Compulsory Purchase Order was made for the acquisition of the land and the 28 sub-standard dwellings situated in Railway Avenue and Watson's Avenue, and application was made to the Ministry of Housing and Local Government for confirmation of the Order. Objections were raised by several of the owners affected and a Public Local Inquiry was held on the 26th October, the result of which was still unknown at the year end.

Voluntary closure of 4 unfit houses was effected after the occupiers had been granted council house tenancies, and subsequently the 4 dwellings, together with 7 closed the previous year, were demolished by the owners.

### (2) Housing Needs

The 767 names on the Housing Officer's list of those living in rooms at the end of the year represented the following family groups :

Families of 2 (i.e. without children) .....	377
Families of 3 (i.e. with 1 child) .....	261
Families of 4 (i.e. with 2 children) .....	104
Families of 5 (i.e. with 3 children) .....	16
Families of 6 or more .....	9

### (3) Progress of Local Authority Schemes

During 1954/55 618 houses and 120 flats were built in the Borough: Of these, 479 houses and 43 flats were built by persons or bodies other than the local authority.

### (4) Inspections

Housing Act, 1936	1954	1955
Houses inspected .....	61	37
Houses re-inspected .....	52	18
Rent books examined .....	103	71
Rent books not complying with provisions .....	2	30
Houses demolished as result of formal action (S.11)	Nil	11
Houses closed in pursuance of undertaking by owners under S.11 and still in force .....	Nil	5

#### Public Health Act 1936

Houses inspected .....	781	746
Houses re-inspected .....	548	620

#### Repairs during the year

Unfit houses rendered fit and houses in which defects were remedied as a result of informal action under Housing or Public Health Acts.

(a) not including drainage faults .....	288	286
(b) including drainage faults .....	729	803

#### Housing Act 1936

After formal notice — by owners .....	1	1
---------------------------------------	---	---

#### Public Health Act 1936

##### After formal notice

(a) By owners .....	16	27
(b) By Council .....	12	8

# CLEARANCE AREAS AND INDIVIDUAL UNFIT HOUSES

RETURN FOR THE YEAR ENDED 31st DECEMBER, 1954

## PART A—CLEARANCE AREAS (Housing Act, 1936)

	Number of dwelling houses demolished in the period		Number of persons displaced
	Unfit Houses	Other Houses	
(1) Land coloured " pink " ...	—	—	
(2) Land coloured " grey " ...	—	—	

## PART B— HOUSES NOT INCLUDED IN CLEARANCE AREAS

DEMOLITION AND CLOSING ORDERS	Number of	
	Houses	Persons displaced
(1) <b>Housing Act, 1936.</b>		
(a) Houses demolished as a result of formal or informal procedure under Section 11	3	10
(b) Houses closed in pursuance of an undertaking given by the owners under Section 11, and still in force ... ..	3	8
(c) Parts of buildings closed (Section 12)	—	
(2) <b>Housing Act, 1949.</b>		
(a) Closing Orders made under Section 3 (1)	—	
(b) Demolition orders determined and closing orders substituted under Section 3 (2) ...	—	
(3) <b>Local Government (Miscellaneous Provisions) Act, 1953.</b>		
Closing Orders made under Section 10 (1).	—	
		Number of Houses
<b>REPAIRS</b>		
(4) Number of unfit or defective houses rendered fit during the period as a result of informal action by the local authority under the Public Health or Housing Acts ...		349
(5) <b>Public Health Acts.</b>		
Number of houses in which defects were remedied after service of formal notices.		
(a) by owners.		11
(b) by local authority in default of owners ... ..		—
(6) <b>Housing Act, 1936.</b>		
Number of houses made fit after service of formal notices (Sections 9, 10, 11 and 16).		
(a) by owners ... ..		1
(b) by local authority in default of owners ... ..		—

# CLEARANCE AREAS AND INDIVIDUAL UNFIT HOUSES

RETURN FOR THE YEAR ENDED 31st DECEMBER, 1955

## PART A—CLEARANCE AREAS (Housing Act, 1936)

	Number of dwelling houses demolished in the period		Number of persons displaced
	Unfit Houses	Other Houses	
(1) Land coloured " pink " ...	—	—	
(2) Land coloured " grey " ...	—	—	

## PART B— HOUSES NOT INCLUDED IN CLEARANCE AREAS

DEMOLITION AND CLOSING ORDERS	Number of	
	Houses	Persons displaced
(1) <b>Housing Act, 1936.</b>		
(a) Houses demolished as a result of formal or informal procedure under Section 11	11	28
(b) Houses closed in pursuance of an undertaking given by the owners under Section 11, and still in force ... ..	5	17
(c) Parts of buildings closed (Section 12)	—	
(2) <b>Housing Act, 1949.</b>		
(a) Closing Orders made under Section 3 (1)		
(b) Demolition orders determined and closing orders substituted under Section 3 (2) ...		
(3) <b>Local Government (Miscellaneous Provisions) Act, 1953.</b>		
Closing Orders made under Section 10 (1).		
REPAIRS		
(4) Number of unfit or defective houses rendered fit during the period as a result of informal action by the local authority under the Public Health or Housing Acts ...		286
(5) <b>Public Health Acts.</b>		
Number of houses in which defects were remedied after service of formal notices.		
(a) by owners.		27
(b) by local authority in default of owners ... ..		8
(6) <b>Housing Act, 1936.</b>		
Number of houses made fit after service of formal notices (Sections 9, 10, 11 and 16).		
(a) by owners ... ..		1
(b) by local authority in default of owners ... ..		—

# INSPECTION AND SUPERVISION OF FOOD AND FOOD PREMISES

1. \*No. of food premises, by type of business, in district at end of year :

Type of Business	No.
Boarding Houses .....	3,755 approx.
Restaurant Kitchens .....	600
Grocers .....	200
Greengrocers .....	40
Butchers .....	41
Offensive Trades .....	3
Shrimp Pickers .....	32
Bakehouses .....	74

2. \*No. of food premises, by type, registered under S.14 of the Food and Drugs Act or under local Acts:

Type of Business	No. registered at 31.12.55	No. of inspections of registered premises during year
Fish Friers ... ..	33	55
Sausages, potted, pressed pickled and preserved food do. (including fish frying)	57 2	{ Not separately recorded
Food Stores, Food hawkers under the L.C.C. (General Powers) Act ... ..	26	
Ice-cream ... ..	210	388

3. Special examinations of food stocks or consignments during year :—  
(See page 72).
4. Method of disposal of condemned food.  
(See page 66).

\* Excluding registrations under Milk and Dairies Regulations, 1949.

## FOOD AND DRUGS ACT, 1938

Inspection of Food Premises	1954	1955
Bakehouses .....	149	173
Restaurant kitchens .....	204	261
Food preparation premises .....	306	371
Fish friers .....	44	55
Food stores .....	70	82
Proposed food premises .....	408	378
School kitchen .....	5	5
Snack bars .....	133	117
Markets .....	17	4
Public houses .....	11	7
Miscellaneous .....	133	207
Other food premises .....	790	395
Shrimp pickers premises .....	16	17
Manufacturers of soft drinks .....	10	—

475 visits were made in 1954/55 with contractors to food premises in connection with proposed work or work in progress, 786 visits were made to proposed food premises in connection with structural alterations necessary to comply with the requirements of Section 13 Food and Drugs Act, 1938, and 210 miscellaneous visits in connection with "Change of User" under the provisions of the Town and Country Planning Act, 1947.

The premises of 32 Shrimp Pickers employed by 3 registered food preparation firms were satisfactory.

Notices	1954	1955
Informal .....	17	17
Statutory .....	—	1

Defects		
Structural defects .....	1	14
Drainage defects .....	3	19
Defective tables and benches .....	3	3
Defective floors, walls and ceilings .....	2	5
Want of cleanliness .....	2	13
Want of redecoration .....	3	3
Inadequate water closet accommodation .....	2	4
Inadequate washing facilities .....	3	8
Inadequate ventilation .....	1	4
Inadequate artificial light .....	1	2
Inadequate hot water supply .....	2	4
Inadequate accommodation for refuse ...	2	4

## Registered premises

	Register 1.1.55	Transfers 1955	Addit'ns 1955	Deletions 1955	Register 31.12.55
1. Fish friers ... ..	33	3	—	—	33
2. Sausages, potted, pressed, pickled and preserved food ... ..	52	2	5	—	57
3. Sausages, potted, pressed, pickled and preserved food (including fish frying)	2	—	—	—	2
	—	—	—	—	—
	87	5	5	—	92
	—	—	—	—	—

During 1954/55 10 bakehouses were discontinued and removed from the register. There are 70 bakehouses on the register, 58 in use and 12 not in use.

Structural alterations and reconstructions under plans approved were completed at the following premises.

### Number of premises structurally altered or reconstructed under plans approved.

	1954	1955
Bakehouses .....	3	3
Restaurant kitchens, snack bars .....	5	9
Food Preparation Premises .....	3	7
Fish friers .....	1	1
Food Stores .....	2	6
Other Food Shops .....	7	2
	—	—
	21	28
	—	—

## SAMPLING AND EXAMINATION OF FOOD

### Chemical Examination

When an article of food has been purchased and the procedures set out in Section 70 of the Food and Drugs Act, 1938, have been observed, the sample is said to be a formal one. This involves the separation of the sample into 3 parts, each of which has to be labelled and sealed. To do this with every sample would take considerable time and entail a great deal of work. Time and labour also, would be spent on many samples on which proceedings would not be taken, since the great majority are found to be genuine. The purchase, moreover, of a formal sample is relatively expensive, because enough of each article must be bought to allow it to be divided into three portions. For these reasons many samples are bought without compliance with the full requirements of the Food and Drugs Act, and are submitted to the Public Analyst, and these are known as test, or informal, samples. If the result of analysis of such a test sample should be unsatisfactory, then the food concerned would be formally sampled to obtain evidence acceptable in a court of law.

181 samples were purchased or taken during the year and analysed by the Borough Analyst, as follows :—

	1954	1955
Informal samples of milk .....	34	18
Formal samples of milk .....	60	75
Informal samples of food .....	55	76
Informal samples of ice-cream .....	9	5
Informal samples of drugs .....	6	6
Miscellaneous samples .....	1	1
	—	—
	165	181
	—	—

98.6% of the formal milk samples purchased and 93.3% of the informal milk samples were genuine as compared with 98.3% and 91.3% in 1954.

Samples genuine but low in milk solids-not-fat, or slightly deficient in milk solids-not-fat, or slightly deficient in milk fat, or containing small quantities of added or extraneous water were notified to the supplier. One obvious case of added water (10%) in 1955 was reported to the Health Committee (see report, page 55).

# EXAMINATIONS BY THE PUBLIC ANALYST: 1954

## MILK :

### Informal Samples :

#### Tuberculin Tested :

Genuine ... ..	9	
----------------	---	--

#### T.T. (Pasteurised) :

Genuine, but low in solids-not-fat ..	1	
---------------------------------------	---	--

#### Pasteurised :

Genuine ... ..	2	
----------------	---	--

Genuine, but slightly low in solids-not-fat ... ..	1	
	—	3

#### Accredited :

Genuine ... ..	3	
----------------	---	--

Genuine, but low in solids-not-fat ...	1	
--	---	--

Deficient 1.6% milk fat ... ..	1	
--------------------------------	---	--

Deficient 5% milk fat ... ..	1	
	—	6

#### Undesignated :

Genuine ... ..	9	
----------------	---	--

Contained 1.3% extraneous water ...	1	
-------------------------------------	---	--

Genuine, but slightly low in solids-not-fat .....	2	
---	---	--

Genuine, but low in solids-not-fat ...	3	
	—	15

— 34

### Formal Samples :

#### Tuberculin Tested :

Genuine ... ..	7	
----------------	---	--

Genuine, but slightly low in solids-not-fat ... ..	1	
	—	8

#### Jersey T.T. (Channel Islands) :

Genuine ... ..	1	
----------------	---	--

#### T.T. (Pasteurised) :

Genuine... ..	15	
---------------	----	--

Genuine, but slightly low in solids-not-fat ... ..	1	
	—	16

## BACTERIOLOGICAL EXAMINATION OF MILK—1954

358 samples of milk were taken or purchased involving some 901 examinations. These were carried out at the Public Health Laboratory attached to the Royal Lancaster Infirmary and supervised by Dr. A. G. Rickards.

40 samples were of undesignated milk and the remaining 318 were all licensed. Of the 40 undesignated, all were sampled at the processing plant before being heat-treated and of these 20 were of unsatisfactory keeping quality. The quantity of raw undesignated milk sold to consumers in this area is very small indeed. 120 samples were taken from the dairy after pasteurisation: no failures to pass the phosphatase test for heat-treated milk were recorded.

50% of the samples of T.T. milk arriving at the plant for pasteurisation or bottling were unsatisfactory (this compares with 43% in the previous year).

59 samples of milk of all grades were examined for the presence of Tubercle Bacilli and all were reported free.

The quality of the untreated milk arriving at the processing plant remains very similar to that of last year; most of it is sent from farms outside the borough and unsatisfactory samples are reported to the Ministry of Agriculture and Fisheries. "Unsatisfactory" means either the presence of *B. Coli* or failure to pass the methylene blue test, meaning milk of poor keeping quality. 21 out of 42 samples of T.T. milk, 6 out of 8 samples of Accredited milk, and 20 out of 40 samples of raw undesignated milk were unsatisfactory. A local authority's officer is no longer empowered to visit farms in his own area; the authority that once he had was removed by the regulations of 1949 and transferred to the Ministry of Agriculture and Fisheries, and so it is no longer possible to report on conditions at the farms.

Samples taken also included laboratory reports on milk bottles after cleansing by machine or manually and prior to filling. 1 out of 12 was unsatisfactory and the dairyman was advised accordingly.

45 samples of school milk (12 T.T. [Pasteurised] and 33 Pasteurised) were wholly satisfactory.

The employment of a qualified laboratory technician in their own laboratory at the processing plant has proved to be of great value to the plant, and platform tests of the milk on arrival are taken daily; several churns were returned to the farmers as being unsatisfactory.

A summary of the bacteriological findings in respect of the samples is given in the following table.

Designation	No. of Samples	B. Coli absent in 0.1 c.c.		Methylene Blue Test (Keeping quality)		Phosphatase Test (Heat treatment)		Turbidity Test Satisfactory	Tubercle Bacilli	
		Pass	% Satisfactory	Pass	% Satisfactory	Pass	% Satisfactory		-	+
Tuberculin Tested	104	99	95.6	55	52.9	—	—	—	28	—
Accredited	8	8	100.0	2	25.0	—	—	—	2	—
Tuberculin Tested (Pasteurised)	61	61	100.0	61	100.0	61	100.0	—	1	—
Tuberculin Tested (Pasteurised) (School Milk)	12	12	100.0	12	100.0	12	100.0	—	—	—
Pasteurised	86	86	100.0	86	100.0	86	100.0	—	1	—
Pasteurised (School Milk)	33	33	100.0	33	100.0	33	100.0	—	10	—
Sterilised	14	—	—	—	—	—	—	14	—	—
Raw Undesignated	40	40	100.0	20	50.0	—	—	—	17	—
Total :—	358	339	91.9	269	84.5	192	100.0	14	59	—

## BACTERIOLOGICAL EXAMINATION OF MILK—1955

286 samples of milk were taken or purchased involving some 1,053 examinations.

21 samples were of undesignated milk and the remaining 265 were all licensed milks. The 21 undesignated milks were sampled at the processing plant before being heat-treated, and of these 4 were of unsatisfactory keeping quality. 114 samples were taken from the dairy after pasteurisation and were satisfactory.

33% of the samples of T.T. milk arriving at the plant for pasteurisation or bottling were unsatisfactory (this compares favourably with 43% in the previous year).

30 samples of milk of all grades were examined for the presence of Tubercle Bacilli and one was reported positive (see page 49).

The quality of the untreated milk arriving at the processing plant was similar to that of last year; most of it was sent from farms outside the borough and unsatisfactory samples were reported to the Ministry of Agriculture and Fisheries. 9 out of 27 samples of T.T. milk, and 5 out of 21 samples of raw undesignated milk, were unsatisfactory.

Laboratory reports on milk bottles after cleansing by machine or hand are made periodically.

69 samples of school milk (3 T.T. [Pasteurised], and 66 Pasteurised) were wholly satisfactory.

The processing plant continues to employ a trained milk technician in their own laboratory.

A summary of the bacteriological findings in respect of the samples is given in the following table :—

Designation	No of Samples	B. Coli absent in 0.1 c.c.		Methylene Blue Test (Keeping Quality)		Phosphatase Test (Heat Treatment)		Turbidity Test Satisfactory	Tubercle Bacilli	
		Pass	% Satisfactory	Pass	% Satisfactory	Pass	% Satisfactory		—	+
Tuberculin Tested	39	38	97.4	28	71.8	—	—	—	16	—
Tuberculin Tested (Pasteurised)	54	54	100.0	54	100.0	54	100.0	—	—	—
Tuberculin Tested (Pasteurised) (School Milk)	3	3	100.0	3	100.0	3	100.0	—	—	—
Pasteurised	80	80	100.0	80	100.0	79	98.8	—	—	—
Pasteurised (School Milk)	66	66	100.0	66	100.0	66	100.0	—	—	—
Sterilised	23	—	—	—	—	—	—	23	—	—
Raw Undesignated	21	20	95.2	17	80.9	—	—	—	13	1
Total :—	286	261	99.3	248	94.2	202	99.5	23	29	1

Pasteurised :

Genuine .....	24	
Contained 1% extraneous water ...	1	
	—	25

Undesignated :

Genuine .....	1	
---------------	---	--

Sterilised :

Genuine .....	9	
	—	60
		—
		94

Three of the formal samples of pasteurised milk were supplied to schools under contract.

98.3% of the formal milk samples and 91.3% of the informal samples were genuine (last year — 91.5%; 78.7%).

One informal sample of milk was deficient 5% of milk fat; a repeat sample proved to be genuine.

**Other Foods :**

Apple sauce .....	1
Baking powder .....	1
Browning .....	1
Butter .....	2
Cake mix .....	1
Cheese spread .....	1
Chicken .....	1
Cooking fat .....	2
Cream, sterilised .....	1
Cream, synthetic .....	1
Cream, thick .....	1
Cream, trifle .....	1
Dripping .....	2
Food beverage .....	1
Fruitarian luncheon .....	1
Glucose .....	1
Glucose chocolate drink .....	1
Honey .....	1
Ice-cream .....	9
Ice-lollie .....	1
Icing sugar .....	1
Jam, strawberry .....	1
Lard .....	2
Lemon cheese .....	1
Margarine .....	2
Orange crush .....	1

Orange squash ... ..	1
Orange drink ... ..	2
Pepper ... ..	1
Pineapple juice ... ..	1
Polony ... ..	1
Rice biscuits ... ..	1
Sausage, beef ... ..	3
Sausage, pork ... ..	6
Shortbread ... ..	1
Shortbread mix ... ..	1
Soup mixture ... ..	1
Soft drink concentrate ... ..	1
Sugar, demerara ... ..	1
Tea, China ... ..	2
Vegetable fat shortening ... ..	1
Wine, white British ... ..	1

#### Drugs :

Aspirin ... ..	1	
Linctus ... ..	1	
Nerve tonic syrup ... ..	1	
Plurivite pellets ... ..	1	
Tonic syrup ... ..	1	
Vitamin tablets ... ..	1	70

#### Miscellaneous :

Lemon cheese ... ..	1	1
---------------------	---	---

(For details of the analyses of ice-cream, see notes on page 60).

The samples of food in nearly all cases were examined for preservatives.

#### Adulterated samples etc. :

Pork Sausage : Contained only 59% meat. Manufactured locally and a repeat sample taken the following week was genuine.

Pork Sausage : Purchased informally as such and when examined proved to be two distinct types of sausage. The vendor was warned.

Ice-cream : The sample contained only 3.8% fat. A repeat sample taken was genuine. The vendor was warned.

Lemon Cheese : This sample contained only 58% soluble solids. The local manufacturer was interviewed and has now satisfactorily changed the constituents.

### **Miscellaneous sample of Lemon Cheese :**

A sample of lemon cheese manufactured locally from eggs, lemons, margarine and sugar showed a peculiar texture and appearance after boiling, and it was suspected that contamination might have occurred owing to the copper boiling pan. This was extremely unlikely and departmental enquiries showed that during preparation the mixture might have reached boiling point thus burning the product. The sample was analysed and the report showed that the fat content was 22.6% (other commercial samples rarely exceeded 13%) and the moisture content was correspondingly low. It was probable that the sample may have been slightly overheated during preparation, resulting in discolouration. The sample was free from significant amounts of lead, copper, zinc and arsenic.

### **LABELLING OF FOOD ORDER, 1953**

Number of visits in 1954 ... .. 183

**1. Trifle cream**

Consisted solely of sweetened imitation cream. Label amended.

**2. Orange drink**

Sold as "orange." Packers now using label "Whole orange drink, ready for use."

**3. Pork Sausage**

Contained 250 parts per million sulphite preservative expressed as sulphur dioxide without declaration on label. Local manufacturer cautioned.

**4. Glucose Chocolate Drink**

Fat content only 0.38% and the sample contained skimmed milk powder and not milk powder as labeled. Packers advised.

**5. Lemon Cheese**

Sold pre-packed with no markings. Now labelled.

**6. Orange Drink**

Name and address of packers not on label. Although made from whole fresh oranges, the drink itself was preserved. Now described on the label as "Whole orange drink, ready for use."

**7. Thick Cream**

Sold pre-packed without the name and address of the packer on the label.

**8. Orange Drink**

This was sold as "Orange, ready to drink." Now amended and reads "Orange drink, ready for use."

# EXAMINATIONS BY THE PUBLIC ANALYST : 1955

## MILK SAMPLES :

### Informal :

#### Tuberculin Tested :

Genuine ... ..	2	
Genuine, but low in solids-not-fat ...	1	
	—	3

#### Undesignated :

Genuine... ..	10	
Deficient 1.6% fat ... ..	1	
Genuine, but low in solids-not-fat ...	3	
Genuine, but slightly low in solids-not-fat ... ..	1	
	—	15
	—	18

### Formal :

#### T.T. (Pasteurised) :

Genuine ... ..	18
----------------	----

#### Pasteurised :

Genuine ... ..	24
Genuine, but slightly low in solids-not-fat ... ..	1
Deficient 2.6% fat and 6.8% solids-not-fat and contained 9.5% extraneous water ... ..	1
	— 26

#### Sterilised :

Genuine ... ..	13
----------------	----

#### Tuberculin Tested :

Genuine ... ..	15	
Genuine, but low in solids-not-fat ...	3	
	—	18
	—	75

### Other Foods :

Browning ... ..	1
Butter ... ..	7
Cheese ... ..	1
Cream ... ..	3
Ducks, savoury ... ..	1
Fat ... ..	2
Fish roes ... ..	1
Fruit chutney ... ..	1

Gelatine ... ..	1	
Jam ... ..	3	
Jelly ... ..	2	
Lemon Cheese ... ..	1	
Lard ... ..	1	
Margarine ... ..	7	
Meat loaf ... ..	1	
Meat, potted ... ..	1	
Milk, condensed ... ..	1	
Milk, flavoured ... ..	1	
Mustard ... ..	1	
Puff pastry ... ..	2	
Pastry mix ... ..	3	
Polony ... ..	1	
Rice ... ..	1	
Rabbit ... ..	1	
Sausage, beef ... ..	3	
Sausage, pork ... ..	4	
Salt, table ... ..	1	
Sugar, demerara ... ..	3	
Sugar, coffee ... ..	1	
Sugar, cane ... ..	1	
Stuffing ... ..	1	
Tea ... ..	3	
Toffee (spearmint) ... ..	1	
Toffee (cigarettes) ... ..	1	
Vinegar ... ..	3	
	—	67
Ginger wine ... ..	1	
Burgundy ... ..	1	
Lemonade powder ... ..	1	
Vita-cup ... ..	1	
Cordial ... ..	1	
Tomato juice cocktail ... ..	1	
Indian brandee ... ..	1	
Hop bitters ... ..	1	
Soft drink ... ..	1	
	—	9
		— 76

#### Drugs :

Bi-carbonate of soda ... ..	1
Grape saline ... ..	1
Vita-glucose tablets ... ..	1
Codeine tablets ... ..	1

Medicinal paraffin ... ..	1	
Sleeping tablets ... ..	1	
	—	6

#### Ice-cream :

Genuine ... ..	5	
	—	181
Number of visits and re-visits ... ..		321

#### Other action

1. A bottle of pasteurised milk was purchased by the department from a registered distributor of milk and found to contain 9.5% of added water. The facts were reported to the Committee and a written caution sent by the Town Clerk's Department, to the retailer and wholesaler.

2. A complaint was received that a bottle of soft drink tasted and smelt of petrol. On examination it was found that there was a faint odour and taste of petrol but no visible oily contamination. The amount of petroleum present was no more than a trace and too small to estimate chemically. The packers were informed.

3. A tin of rabbit casserole was found to contain in addition to the prepared rabbit, a piece of rabbit skin with hair attached. This was notified to the seller who promptly returned all stock of this commodity to the packers.

4. A sample of pork sausage contained only 52.5% of meat. The manufacturer was cautioned.

5. A sample of beef sausage contained only 45.5% of meat. The manufacturer was notified and a repeat sample showed a great improvement in the meat content.

6. A complaint was received from an adjoining authority regarding the presence of a bluebottle in a steak and kidney pie baked in a local bakehouse. The premises were visited and full enquiries made.

7. A complaint was received regarding the presence of a piece of metal in a tinned meat pudding packed outside the area. The Town Clerk communicated with the packers and the explanation was accepted.

8. A complaint was received from a neighbouring authority of a piece of insulated wire found embedded in the pastry of a meat pie purchased from a local bakehouse. The bakehouse was visited and the cause was found to be due to the transfer of a loud-speaker extension to another part of the bakehouse. The electrician had cut the wire and left a portion on a ledge. An electric fan sited near the ledge could have blown the wire on to the mixing table. The Health Committee of the adjoining authority carefully considered the letter from the department and decided to take no action in the matter but to send a letter of warning to the bakehouse. The Committee thanked your officers for their prompt attention to the complaint.

### **Proceedings**

A complaint was received that a pint bottle of pasteurised milk purchased from a local roundsman contained a dead house-fly. The Health Committee authorised proceedings against the wholesaler but the court decided that there was no case to answer. The court has since been asked to state a case and the matter is proceeding.

### **Regulations issued during 1955 include :—**

#### **1. Milk and Dairies Regulations 1949-54**

Approves further products for the cleansing of milk vessels or appliances as an alternative to scalding with boiling water or steam.

#### **2. Milk (Special Designation) (Raw Milk) (Amendment) Regulations, 1954**

#### **3. The Public Health (Preservatives, etc., in Food) Regulations 1925-1948 (Thiourea)**

Relates to the possible use by certain orange growers of thiourea and of fungicides containing thiourea as a rot and mould suppressant.

#### **4. Mineral Oil in Food (Amendment) Regulations, 1955**

Includes chewing gum in the definition of 'food' and restricts the amount of mineral oil contained therein.

#### **5. Food Standards (Table Jellies) Amendment Order, 1955**

Provides for the use of low setting gelatine and allows, a content of not less than 2½ ozs. of sugar per pint of prepared table jelly sweet.

#### **6. Food Standards (Butter and Margarine) Regulations, 1955**

Prescribes standards for butter and margarine.

#### **7. Labelling of Food (Amendment) Regulations, 1955**

Amends the Labelling of Food Order, 1953, relating to the labelling, marking and advertising of margarine and margarine cheese.

## **LABELLING OF FOOD ORDER 1953.**

Number of visits in 1955 ... .. 97

### **1. Flavoured Pasteurised Milk**

The label did not contain a legible list of ingredients in the correct order. The packers were informed and new labels issued.

### **2. Milk**

A pint of T.T. (Pasteurised) milk was sold with a label describing the contents as "Orange Juice." The packers were interviewed.

## **ICE-CREAM.**

There were no new regulations concerning ice-cream during the years 1954/55.

There were no legal proceedings in either year arising out of infractions of ice-cream regulations.

**Bacteriological Examinations :****Methylene Blue Reductase Test (with provisional gradings):**

	1954	1955
Grade 1 .....	143	120
Grade 2 .....	28	11
Grade 3 .....	16	3
Grade 4 .....	3	11

In the tables that follow are given the results of bacteriological and chemical analyses.

Bacillus Coli in 0.1 c.c. :	1954	1955
Absent .....	190	145
Present .....	Nil	Nil

**1954**

Type	No. of Samples	Provisional Gradings				B. Coli Absent in O.l.c.c.
		1	2	3	4	
Bulk	63	47	5	8	3	63
Pre-packed	118	88	23	7	—	118
Complete Cold Mix	9	8	—	1	—	9
Total	190	143	28	16	3	190

**1955**

Type	No. of Samples	Provisional Gradings				B. Coli Absent in O.l.c.c.
		1	2	3	4	
Bulk	62	48	5	1	8	62
Pre-packed	72	64	6	1	1	72
Complete Cold Mix	11	8	—	1	2	11
Total	145	120	11	3	11	145

The figures in the above tables and the tables that follow do not include "repeat" samples. By repeat samples is meant samples taken during the processes of manufacture and storage after receipt of an unsatisfactory laboratory report on a particular sample. Such repeat sampling is of help to the traders. Manufacturers are without exception very co-operative and are supplied with copies of all reports on their products.

Type	% Graded 1 or 2				
	1955	1954	1953	1952	1949
Bulk	85.5	82.5	86.4	88.1	51.7
Pre-packed	97.2	94.1	97.9	94.5	72.0
Complete Cold Mix	72.7	88.8	66.6	100.0	41.3

**Comparative Figures :**

Year	Grade 1 or 2 %	B. Coli Absent in 0.1 c.c. %
1949	60.0	97.8
1952	92.6	100.0
1953	93.2	100.0
1954	90.0	100.0
1955	90.3	100.0

The percentage of samples falling in Grade 4 was 7.6 as compared with 1.6 in 1954, 1.4 in 1953 and 21.1 in 1949.

	Provisional Gradings				% graded 1 or 2		
	1	2	3	4	1955	1954	1949
Local	61	4	2	9	85.5	85.8	51.9
"Imported"	59	7	1	2	95.6	93.3	67.2
Total	120	11	3	11	90.3	90.0	60.0

**Composition :**

5 samples were analysed in 1955 by the Public Analyst and all were satisfactory.

Sample No.	Fat %	Total Solids %
1	9.0	32.2
2	8.0	27.9
3	13.3	38.2
4	6.6	32.7
5	10.2	37.0

Locally manufactured ice-cream averaged 9.8% fat and 35.0% solids; "imported" 8% and 27.9%. Results in 1954 were similar to these.

**Visits :**

	1954	1955
Dealers premises .....	266	302
Manufacturers premises .....	45	27
Storage premises .....	15	17
Proposed premises .....	27	19
Cinemas .....	52	30
Street traders .....	4	3
Sampling .....	171	207
Informal notices .....	3	—

**Registered Premises :**

Manufacture, storage and sale .....	5	5
Manufacture and storage .....	2	3
Manufacture and sale .....	9	9
Storage and sale .....	5	5
Storage .....	4	4
Sale .....	83	84
Sale of pre-packed (by agreement) .....	97	100

During 1954/55 10 premises ceased to be used for ice-cream purposes and the certificates of registration were withdrawn. The Council approved the transfer of 25 certificates and 23 additional premises were registered, giving a total of 210 premises at the end of 1955.

Of ice-lollies, 20 samples were examined and were satisfactory.

# MEAT—1954

Number of visits to slaughterhouses ... ..	865
Number of visits to butchers' shops ... ..	129
Number of visits to other food shops ... ..	691
Animals Inspected :	

	Town	Heysham	Total
Beasts (excluding cows) ... ..	2,131	34	2,165
Cows ... ..	411	10	421
Calves ... ..	492	—	492
Sheep and lambs ... ..	14,266	479	14,745
Pigs ... ..	272	24	296
	<hr/> 17,572	<hr/> 547	<hr/> 18,119

The slaughtering arrangements in Morecambe consist of (a) 1 large private wholesale slaughtering establishment supplying about 50% of the town's meat; (b) 3 small private slaughterhouses supplying the needs of about 6 butchers; and (c) a slaughtering establishment at Heysham Harbour for detained cattle Ex-Ireland.

The establishments generally are in good condition; the wholesale slaughterhouses having been modernised by combining two existing slaughterhouses and completely re-fitting with modern equipment such as electric saw, winch, fan, etc., as well as a deep freeze cold room having a cubic capacity of 1,200 cubic feet.

## Meat Condemned (including Heysham Harbour) :

### Cattle :

#### Tuberculosis :

Beast Carcase ... ..	1
Beast Carcase and Offal ... ..	2
Beast Head and Tongues ... ..	78
Beast Lungs ... .. pairs	209
Beast Livers ... ..	59
Beast Skirt ... ..	50
Beast Tripes ... ..	43
Beast Spleens ... ..	62
Beast Fat ... .. lbs.	80
Beast Heart ... ..	24
Beast Udder ... .. lbs.	72
Beef and all Offal ... .. lbs.	120
Beef Forequarters ... ..	2
Cow Carcase and all Offal ... ..	1

**Pigs :**

Pigs Heads ... ..	2
-------------------	---

**Other Diseases :**

Beast Carcase (severe bruising) ... ..	1
Beast Carcase (casualty) (fever and badly bruised) ... ..	1
Beast Carcase and Offal (fever and emaciated) ... ..	1
Beast Carcase and Offal (septic metritis) ... ..	1
Beast Livers (cirrhosis) ... ..	270
Beast Livers (cirrhosis) ... .. lbs.	3939
Beast Livers (part) (cirrhosis) ... ..	193
Beast Intestines (O.R.) ... .. sets	21
Beast Udder (abscesses) ... .. lbs.	122
Beast Udder (suppuration) ... .. lbs.	99
Beast Tongue (actinomycosis) ... ..	1
Beast Kidney (inflammation) ... ..	1
Beef Forequarters (bruising) ... ..	3
Beef Forequarter (part) (bruising) ... ..	5
Beef (bruising) ... .. lbs.	1791
Beef (bone taint) ... .. lbs.	1207

**Cysticercus Bovis :**

7 cases of *C. Bovis* were discovered (as compared with 4 in 1953, 13 in 1952, 35 in 1951 and 48 in 1950) and were classified at the laboratory as 7 live cysts. The distribution amongst the carcasses and amongst the collection centres is shown below.

**Distribution :**

Heifers ... ..	3
Bullocks ... ..	3
Others ... ..	1

**Centres :**

Northern Ireland ... ..	4
Not known ... ..	3

**Calves :**

Carcase and Offal (fevered) ... ..	1
Carcase and Offal (pyaemia) ... ..	1
Carcase and Offal (navel ill) ... ..	1
Carcase and Offal (joint ill) ... ..	1

**Mutton :**

Mutton (bruising) ... .. lbs.	12
-------------------------------	----

**Sheep :**

Carcase and Offal (fevered) ... ..	3
Carcase (abscessed) ... ..	1
Heads and Plucks (flukes) ... ..	3

Plucks (flukes) ... ..	3
Livers (flukes) ... ..	384
Livers (flukes) ... .. lbs.	615
Intestines (O.R.) ... .. sets	39
Lamb Carcase (moribund) ... ..	1
Lamb Carcase (emaciation) ... ..	1
Lamb Carcase (fevered) ... ..	2
Lamb (bruising) ... .. lbs.	14
Lamb Leg (bruising) ... ..	2
Lamb Shoulder (bruising) ... ..	2
Lamb Loin (bruising) ... ..	1
Number of visits to slaughterhouses ... ..	1,277
Number of visits to butchers shops ... ..	165

**Pigs :**

Carcase and Offal (fevered and ill bled) ... ..	1
Carcase (swine erysipelas) ... ..	1
Pork (bruised) ... .. lbs.	49

**Carcases inspected and condemned :**

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	2165	421	492	14745	296
Number inspected	2165	421	492	14745	296
<b>All diseases except Tuberculosis</b>					
Whole carcases condemned ... ..	1	4	8	2	
Carcases of which some part or organ was condemned ... ..	598	—	585	1.01	
Percentage of the number in- spected affected with disease other than tuberculosis ... ..	23.47	0.81	4.02	—	
<b>Tuberculosis only</b>					
Whole carcases condemned ... ..	1	—	—	—	
Carcases of which some part or organ was condemned ... ..	289	—	—	—	
Percentage of the number in- spected affected with tuberculosis	11.61	—	—	—	

# **UN SOUND FOOD (other than carcase meat) surrendered—1954.**

## **Meat :**

	Tins	lbs.	Quantity
Meat ... ..	15		
Meat luncheon ... ..		10	
Meat luncheon ... ..	10		
Veal ... ..		12	
Veal jellied ... ..		24	
Veal jellied ... ..	12		
Pork ... ..		38	
Pork luncheon meat ... ..		38	
Pork roast ... ..		176	
Pork pressed ... ..		6	
Pork jellied ... ..		6	
Pork trimmings ... ..		45	
Pork loins ... ..		372½	
Pork legs, roast ... ..		362	
Beef ... ..		66	
Beef boneless ... ..		62	
Beef corned ... ..		44	
Beef pressed ... ..		29	
Beef loaf ... ..	3		
Beef and gravy ... ..	2		
Steak ... ..	7		
Steak stewed ... ..	20		
Liver, lamb (imported) ... ..		35	
Tongue ... ..		37	
Tongue Ox ... ..		249½	
Tongue Ox ... ..	6		
Gammon ... ..		7½	
Ham ... ..		8	
Ham cooked ... ..		635	
Ham shoulder ... ..		100½	
Ham chopped ... ..		12	
Sausage ... ..		425	
Sausage Beef ... ..		3	
*Bacon ... ..		175¼	
Brisket pressed ... ..		23	
Chicken ... ..		7½	
Rabbits ... ..		97	

## **Fish :**

Fish ... ..	41		
Halibut ... ..		15	
Halibut (stones) ... ..			3½

	Tins	lbs.	Quantity
Golden cutlets ... ..		56	
Finnon Haddock (stones) ... ..			4
Smoke fillets (stones) ... ..			4
Sardines (kegs) ... ..			9
<b>Shell Fish :</b>			
Shrimps ... ..		26	
Lobster ... ..		43	
<b>Fruit :</b>			
Fruit ... ..	470		
Bananas ... ..			237
Bananas (qrs.) ... ..			82
Pineapple crushed ... ..		13	
Apples ... ..		6	
Apricots ... ..		16	
Raisins ... ..		20	
Figs (pkts.) ... ..			29
Jam (jars) ... ..			15
Jam ... ..	12		
<b>Vegetables :</b>			
Vegetables ... ..	261		
Tomatoes (baskets) ... ..			19
Soup ... ..	17		
<b>Confectionery :</b>			
Flour ... ..		1960	
Cake flour ... ..			1
Oats (pkts.) ... ..			8
Custard powder (pkt.) ... ..			1
Egg, frozen ... ..		1488	
Egg, dried ... ..		29	
Black puddings ... ..		62	
Chocolate strands ... ..		7	
<b>Provisions and Miscellaneous :</b>			
Milk ... ..	38		
Cream ... ..	25		
Cheese ... ..		70	
Cheese (pkt.) ... ..			1
Margarine ... ..		79	
Sauce (bottles) ... ..			7
Pickle (jars) ... ..			16
Browning (bottles) ... ..			3

The condemned food was destroyed at the Corporation Destructor under supervision, except for those foods marked by an asterisk, these latter being returned by the vendor to the wholesaler through Ministry of Food channels.

#### **Disposal of condemned meat :**

Carcase beef is sold, after impregnation with green dye, to a retail processor of animal feeding stuffs, about whose consignment the Medical Officer of Health of the district is informed.

Beef livers which are found tubercule free and not affected with any septic condition are collected for pharmaceutical purposes. The remainder of the condemned meat and offal is regularly collected by the Authority and treated by the fertilizer processing plant operated by the Cleansing Department.

### **MEAT—1955**

Number of visits to other food shops ... ..	432
<b>Animals inspected (including Heysham Harbour) :</b>	
Beasts (excluding cows) ... ..	2,531
Cows ... ..	340
Calves ... ..	241
Pigs ... ..	1,720
Sheep and lambs ... ..	13,632

#### **Slaughterhouses (Building and Equipment) :**

The slaughtering arrangements remain as before, i.e. 1 wholesale meat slaughterhouse and 3 smaller private slaughterhouses, in addition to an establishment at Heysham Harbour for detained Irish cattle.

The task of inspection has proceeded smoothly, although a lot of after normal hours inspection is rendered necessary, particularly 8 a.m. inspection, in order that meat may be despatched to the retail shops without undue delay. This early morning inspection is due to late killing on the previous evening. Sunday slaughtering is now a regular feature and there is usually a very heavy "kill" on Sundays.

#### **Meat condemned (including Heysham Harbour) :**

##### **Cattle :**

##### **Tuberculosis :**

Carcase and organs ... ..	7
Forequarters ... ..	3
Heads and tongues ... ..	62
Lungs (prs.) ... ..	99
Liver (lbs.) ... ..	614

Hearts	17
Skirts	17
Spleens	31
Stomachs	11
Udder (lbs.)	20
Beef (lbs.)	100

Other diseases :

Carcase and organs (generalised C. Bovis)	1
Carcase and organs (Septicæmia)	1
Carcase and organs (Cysticercus Bovis)	2
Forequarter (decomposition)	1
Livers (cirrhosis) lbs.	14,415
Livers (abscesses) lbs.	24
Heart (pericarditis)	2
Tongues (actinomycosis)	2
Beef (bone taint) lbs.	65
Beef (bruised) lbs.	912

Calves :

Carcase and organs (joint ill)	1
--------------------------------	---

Pigs :

Tuberculosis :

Carcase and organs	1
Heads	13
Liver	1
Pluck	7

Other diseases :

Carcase and organs (septicæmia)	1
Carcase and organs (erysipelas)	3
Carcase and organs (bruised and fevered)	1
Carcase and organs (jaundice)	1
Part carcase and organs (bruised)	1
Pluck (abscesses)	2
Pork (bruised) lbs.	1,144
Livers (cirrhosis) lbs.	24

Sheep :

Carcase and organs (moribund) ... ..	2
Carcase and organs (emaciation) ... ..	2
Carcase and organs (fever) ... ..	2
Carcase and organs (dropsy) ... ..	2
Carcase and organs (septicæmia) ... ..	1
Carcase and organs (abscesses) ... ..	1
Carcase and organs (lamb) (fever) ... ..	5
Carcase and organs (lamb) (emaciation) ... ..	1
Forequarter (lamb) (abscesses) ... ..	1
Livers (flukes) lbs. ... ..	1,126
Head (abscesses) ... ..	1
Pluck (flukes) ... ..	1
Mutton (bruised) lbs. ... ..	6
Lamb( bruised) lbs. ... ..	338

**CARCASES INSPECTED AND CONDEMNED :**

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known) ... ..	2551	342	241	13,805	1802
Number inspected ... ..	2551	342	241	13,805	1802
All diseases except Tuberculosis and Cysticerci	1		1	16	6
Whole Carcases condemned ... ..	1439		—	315	44
Carcases of which some part or organ was condemned ... ..	49.78		0.41	1.67	2.77
Percentage of the number inspected affected with disease other than Tuberculosis and Cysticerci ... ..	7		—	—	1
Tuberculosis only	70		—	—	13
Whole carcases condemned ... ..	2.66		—	—	0.77
Carcases of which some part or organ was condemned ... ..	3		—	—	—
Percentage of number inspected affected with Tuberculosis Cysticercosis	2		—	—	—
Carcases submitted to treatment by refrigeration ... ..	1		—	—	—
Carcases of which some part or organ was condemned ... ..					
Generalised and totally condemned ... ..					

**UN SOUND FOOD (other than carcase meat) surrendered :**

**1955**

	Tins	lbs.	Quantity
<b>Meat :</b>			
Meat, minced .....		10	
Veal .....	2	12	
Veal, jellied .....	4	22½	
Pork .....		96	
Pork luncheon meat .....	27	28½	
Pork, roast .....		122½	
Beef corned .....	12	68½	
Beef, brisket .....		15½	
Beef, pressed .....	6	38	
Steak, stewed .....	10	51	
Livers (imported) .....		7	
Tongue, Ox .....	47	236½	
Ham .....		9	
Ham, cooked .....	27	350½	
Ham, boiled .....		46	
Sausage .....		277	
Turkeys .....		238	12
Ducklings (case) .....			1
Chicken .....		37	
Chicken fillets (jar) .....			3
<b>Fish :</b>			
Sardines .....	7		
Fish .....	14		
Cod fillets .....		28	
Fish .....		112	
Salmon .....	1		
<b>Shellfish :</b>			
Shrimps (cartons) .....		28	
Crabs .....		1	
Mussels (bags) .....			1
Mussels .....	13	13	
<b>Fruit :</b>			
Fruit .....	106		
Jam (jars) .....			4
Prunes .....	2		
Apricots .....	4		
Grapefruit .....	43		
Greengage (jars) .....			2
Marmalade (jars) .....			3

	Tins	lbs.	Quantity
Peaches ... ..	1		
Pears ... ..	1		
Strawberries ... ..	3		
Pineapple ... ..	3		
Gooseberries ... ..	3		
Lemon cheese ... ..	1		

#### Vegetables :

Vegetables ... ..	72		
Tomatoes ... ..	2		
Soup ... ..	3		
Peas ... ..	3	1½	
Parsley (nets) ... ..			4
Beetroot ... ..		48	

#### Confectionery :

Cake ... ..		11	
Chinese egg ... ..		22	
Egg albumen ... ..		47½	
Skimmed milk powder ... ..		56	
Steak pudding ... ..	1		
Peach pulp ... ..	1		
Chocolate couviture ... ..		14	

#### Provisions and miscellaneous :

Milk ... ..	15		
Cheese ... ..		120	
Jellies ... ..			2
Pickles (jars) ... ..			5
Salad cream (jars) ... ..			25
Strained food ... ..	2		
Cream ... ..	1		
Cheese spread (pkt.) ... ..			1
Dripping ... ..		16½	
Scotch broth ... ..	2		
Bacon ... ..		3	
Macaroni ... ..	1		
Farola ... ..	1		
Margarine ... ..		2½	
Butter ... ..		4½	

**Special Examinations :**

Type of Food	Total quantity of stock or consignment examined	Quantity condemned
Dried milk ... ..	17½ cwts.	56 lbs.
Egg albumen ... ..	850 lbs.	47½ lbs.

**MILK PREMISES AND PLANT****Registration**

	Distributors	Dairies
Total on register 1.1.55 ...	95	28
Transfers ... ..	4	—
Deletions ... ..	3	—
Additions ... ..	21	—
Total on register 31.12.55 ...	113	28

**Distributors :**

Distributors only ... ..	34
Distributors from shops ...	52
Distributors from dairies ..	27

**Licences :****Tuberculin Tested :**

Dealers licences renewed ... ..	47
Dealers licences ... ..	11
Supplementary ... ..	6

**Pasteurised :**

Pasteurisers ... ..	1
Dealers licences renewed ... ..	55
Dealers licences ... ..	7
Supplementary ... ..	4

**Sterilised :**

Dealers licences renewed ... ..	32
Dealers licences ... ..	17
Supplementary ... ..	3

**Visits and Inspections :**

	1954	1955
Distributors ... ..	643	347
Dairies ... ..	94	122
Pasteurising plant ... ..	49	60
Farms (Food and Drugs Act only) ...	Nil	1
Bottling establishments (other than plant)	7	2
Milk bars ... ..	21	17
Bacteriological sampling ... ..	227	197
Day nursery ... ..	4	8
School kitchen ... ..	1	1
Complaints received ... ..	Nil	2

## **Tuberculous milk**

A sample of milk examined for the presence of Tubercle bacilli showed a positive result which was reported to the Ministry through the County Council on the 12th May. The interim report, received very quickly on the 19th May, showed that the 22 cows on the farm concerned had been clinically tested, and as a result of these tests one roan cow was slaughtered under the Tuberculosis Order of 1938. Samples of milk from 21 cows submitted for biological tests were certified non-tuberculous on the 24th June.

## **LANCASHIRE COUNTY COUNCIL (GENERAL POWERS) ACT, 1951**

This Act requires the registration of all persons who sell, offer or expose for sale any food from a vehicle, basket, pail, tray or other receptacle and for the registration of all premises used as storage accommodation for such food.

	1954	1955
Number of hawkers on register as at 1st January ... ..	80	82
Number of transfers during year ... ..	Nil	Nil
Number of new registrations ... ..	2	1
Number of hawkers on register at 31st December ... ..	82	83
Number of hawkers premises on register as at 1st January ... ..	26	26
Number of new registrations ... ..	Nil	Nil
Number of hawkers premises on register at 31st December ... ..	26	26
Number of visits made ... ..	23	12

## **Merchandise Marks Act, 1926**

The provision of this Act require an indication of origin to be given in the case of certain imported goods.

Number of visits made ... ..	7	11
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## FOOD POISONING

The following action was taken regarding suspected food poisoning in 1954 :—

	Satisfactory	Unsatisfactory
Foods examined ... ..	23	8
Specimens examined ... ..	16	1

- (a) 6 cases of food poisoning were reported on a foreign vessel in Heysham Harbour. Investigation showed that cooked meats supplied by a chandler might be responsible and 6 different types of food were examined at the laboratory. 3 of the 6 foods (all brawn) contained organisms (*staphylococcus pyogenes*). No further stocks were available and the manufacturers were notified immediately. No further cases occurred.
- (b) 2 cases suspected. No further cases and suspected foods examined and found satisfactory.
- (c) 1 case suspected. No further cases and no food available but faeces specimens showed *staphylococcus pyogenes*.
- (d) Notification was received from another authority of 4 cases of food poisoning (*salmonella*) in their area and suggesting that it was caused through fresh salmon eaten in Morecambe. Another guest at the same house was notified (*typhi-murium*) but the interval between consumption of the suspected food and the date of enquiries was 9 days and no progress was made. Specimens of faeces from the residents were all negative.

# PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE

Visits and disinfection :	1954	1955
Visits of inquiry into notified cases ... ..	70	24
Revisits ... ..	2	1
Miscellaneous visits ... ..	3	1
Visits re disinfection ... ..	88	101
Premises disinfected ... ..	31	33
Articles disinfected ... ..	768	900
Rooms disinfected ... ..	59	46
Number of times steam disinfectors used ...	98	110

## Paratyphoid contacts :

Visits ... ..	13	Nil
Specimens examined ... ..	12	Nil

## Sonne Dysentery :

On the 26th October, 1954, 3 cases of suspected food poisoning were reported. Enquiries and examination of specimens shewed the illness to be sonne dysentery. The following day the Day Nursery reported an outbreak of dysentery which lasted until the year end, and carried on into the following year. The outbreak involved the following work:—

Number of visits to houses ... ..	1,736
Number of visits to Day Nursery ... ..	57
Specimens examined :—	
Positive ... ..	567
Negative ... ..	1,258

# CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1955

NOTIFIABLE DISEASES	AGE PERIODS—YEARS										Total Cases	Total Deaths
	0—	1—	3—	5—	10—	15—	25—	45—	65 and over	Age un-known		
Smallpox												
Scarlet Fever			3	9	1			1			14	
Diphtheria (including membranous croup).												
Enteric or Typhoid Fever (excluding Paratyphoid).						1					1	
Paratyphoid Fever												
Measles (excluding Rubella)	6	89	123	259	6	4	1				488	
Whooping Cough	3	19	24	37				1			84	
Acute Pneumonia (primary and influenza).				2			2	7	8		19	2
Puerperal Pyrexia												
Meningococcal Infection		1									1	
Acute Poliomyelitis—Paralytic												
Non-paralytic						1					1	
Acute Encephalitis—infective		1				1					2	
Post-infectious				1	1	1					3	
Dysentery	1	4	3	12	3	3		3	1	10	40	
Ophthalmia Neonatorum												
Erysipelas							2	5			7	
Malaria (contracted in England and Wales, or Abroad)												
Food poisoning							1				1	
Tuberculosis—Respiratory				1	1		6	6			14	7
Meninges and C.N.S.												
Other						1		1			2	1
Any other disease												
TOTALS ... ..	10	113	153	320	11	10	12	24	9	10	672	10

# DIPHTHERIA IMMUNISATION IN 1954

(Excluding children immunised by General Practitioners)

Number of children who completed a full course of primary immunisation during the year.

		AGE AT DATE OF FINAL INJECTION						Total aged 5-14 years
0 —		1 —	2 —	3 —	4 —	Total under 5 years	5 —	10 —
21		58	6	4	1	90	14	1
								15

77

Number of children who were given a reinforcement injection  
(i.e. subsequent to complete course)

AGE GROUP				
0 —	5 —	10 —	Total 0 — 14 years inclusive	
37	129	47	213	

**DIPHTHERIA IMMUNISATION IN 1955**  
(Excluding children immunised by General Practitioners)

Number of children who completed a full course of primary immunisation during the year.

AGE AT DATE OF FINAL INJECTION						
0 -	1 -	2 -	3 -	4 -	Total under 5 years	Total aged 5-14 years
7	29	2	2	2	42	10

78

Number of children who were given a reinforcement injection.  
(i.e. subsequent to complete course)

AGE GROUP			
0 -	5 -	10 -	Total 0 - 14 years inclusive
46	149	93	288

# CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1954

NOTIFIABLE DISEASES	AGE PERIODS—YEARS										Total Cases	Total Deaths
	0—	1—	3—	5—	10—	15—	25—	45—	65 and over	Age un-known		
Smallpox												
Scarlet Fever	2	1	10	1	1						15	
Diphtheria including membranous croup.												
Enteric or Typhoid Fever (excluding Paratyphoid)												
Paratyphoid Fever				2				1			3	
Measles (excluding Rubella)	8	5	6	11	2					1	23	
Whooping Cough	5	6	11	1	1						29	
Acute Pneumonia (primary and influenzal).		1			1		1	3	6		12	
Puerperal Pyrexia												
Meningococcal Infection	1										1	
Acute Poliomyelitis—Paralytic		1	3								4	
Non-paralytic		1									2	
Acute Encephalitis—infective	1						1				2	
Post-infectious		1	1	1	1						3	
Dysentery	17	25	36	11	6	10	2	1	1	25	133	
Ophthalmia Neonatorum	1										1	
Erysipelas					1		2	5	2		10	
Malaria (contracted in England and Wales, or Abroad)												
Food poisoning							1	4	1		6	
Tuberculosis—Respiratory					10	6	6	1	1	1	24	
Meninges and C.N.S.					1	1	1				3	
Other				1	1	1		2			5	
Any other disease												
TOTALS ... ..	7	33	40	70	18	22	24	24	11	27	276	

# DIPHTHERIA AND WHOOPING COUGH IMMUNISATION 1955

O	1	2	3	4	Total under 5 years
49					49
WHOOPING COUGH IMMUNISATION					
		3	5	1	9

## TUBERCULOSIS

### New Cases and Mortality during 1954

AGE PERIODS		NEW CASES				DEATHS			
		Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
		M.	F.	M.	F.	M.	F.	M.	F.
Years									
0 —		—	—	—	—	—	—	—	—
1 —		—	—	—	—	—	—	—	—
2 —		—	—	—	—	—	—	—	—
5 —		—	—	1	—	—	—	—	—
10 —		—	—	1	—	—	—	—	—
15 —		1	2	—	—	—	—	—	—
20 —		2	5	1	1	—	—	—	—
25 —		2	2	—	—	—	—	—	—
35 —		1	1	—	1	1	—	—	—
45 —		4	—	1	2	1	—	—	—
55 —		1	1	—	—	—	—	—	—
65 —		1	—	—	—	1	—	—	—
75 and upwards		—	—	—	—	—	—	—	—
Age unknown		1	—	—	—	—	—	—	—
Totals		13	11	4	4	3	—	—	—

## TUBERCULOSIS

### New Cases and Mortality during 1955

AGE PERIODS		NEW CASES				DEATHS			
Years		Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
		M.	F.	M.	F.	M.	F.	M.	F.
0 —		—	—	—	—	—	—	—	—
1 —		—	—	—	—	—	—	—	—
2 —		—	—	—	—	—	—	—	—
5 —		1	—	—	—	—	—	—	—
10 —		—	1	—	—	—	—	—	—
15 —		—	—	—	—	—	—	—	—
20 —		—	—	1	—	—	—	—	—
25 —		2	3	—	—	—	—	—	—
35 —		—	1	—	—	—	2	—	—
45 —		2	4	—	1	—	—	2	—
55 —		—	—	—	—	2	1	—	—
65 —		—	—	—	—	—	—	—	—
75 and upwards		—	—	—	—	1	—	—	—
Totals		5	9	1	1	3	3	2	—

### SEVENTEEN YEARS' TABLES OF NOTIFICATIONS AND DEATHS FROM TUBERCULOSIS

#### Pulmonary Tuberculosis :

Year	Cases Notified		Deaths	
	Male	Female	Male	Female
1939	7	16	9	5
1940	17	15	6	4
1941	27	19	13	3
1942	20	7	12	3
1943	25	10	12	1
1944	24	15	10	6
1945	19	13	8	5
1946	26	16	6	4
1947	24	12	15	7
1948	31	10	16	6
1949	17	14	16	1
1950	19	20	6	7
1951	19	11	8	—
1952	10	5	6	—
1953	17	11	3	—
1954	13	11	3	—
1955	5	9	3	3

# Non-Pulmonary Tuberculosis :

Year	Cases Notified		Deaths	
	Male	Female	Male	Female
1939	7	3	1	—
1940	6	3	1	1
1941	6	4	1	—
1942	5	8	—	3
1943	4	6	3	2
1944	7	6	4	2
1945	7	6	1	2
1946	6	4	2	2
1947	9	8	3	4
1948	5	8	—	—
1949	3	4	—	—
1950	—	5	—	1
1951	5	3	1	—
1952	3	1	—	—
1953	5	1	—	—
1954	4	4	—	—
1955	1	1	2	—

## VENEREAL DISEASES

Treatment of patients suffering from venereal disease is given at the Royal Lancaster Infirmary.

The figures in the following tables were kindly supplied by Dr. J. F. Mackay.

**1954**

	Non-Venereal Conditions	Gonorrhœa	Syphilis	Total Cases
Males	11	2	2	15
Females	4	4	2	10
Totals	15	6	4	25

**1955**

	Non-Venereal Conditions	Gonorrhoea	Syphilis	Total Cases
Males	19	5	4	28
Females	5	1	1	7
Totals	24	6	5	35

# PORT HEALTH ADMINISTRATION

The general administrative arrangements were unchanged, and the usual work was satisfactorily carried out.

There were 293 vessels from foreign ports of which 200 were oil tankers, boarded and inspected.

There were no cases of infectious diseases landed from any vessel.

	1954	1955
Number of visits to Heysham ... ..	159	232
* Number of beasts examined ... ..	34	20
* Number of cows examined ... ..	10	2
* Number of sheep examined ... ..	479	173
Number of pigs examined ... ..	272	82
Number of visits to slaughter-house ...	41	48

\* Also included in figures on pages 61 and 66

## Section 1 — Staff

TABLE A.

Name of Officer	Appointment Nature of	Date of Appoint- ment	Qualifications	Any other Appointments held
W. F. LYLE	Medical Officer of Health	1938	M.D., B.Sc., D.P.H.	Medical Officer to Port Health Authority

Address and telephone number of the Medical Officer of Health :--  
Public Health Department, Town Hall, Morecambe and Heysham, Tel. :  
Morecambe 720.

# SECTION II—Amount of shipping entering the district during

1954 and 1955

**TABLE B.**

**1954**

Ships from	Number	Tonnage	Number Inspected		Number of ships reported as having, or having had during the voyage, infectious disease on board.
			By Medical Officer of Health	By the Sanitary Inspector	
Foreign Ports	148	603,811	—	93	Nil
Coastwise	1121	1,002,743	—	—	Nil
Total	1269	1,686,554	—	93	Nil

**1955**

Ships from	Number	Tonnage	Number Inspected		Number of ships reported as having, or having had during the voyage infectious disease on board
			By Medical Officer of Health	By the Sanitary Inspector	
Foreign Ports	145	594,796	—	107	Nil
Coastwise	1142	1,003,772	—	—	Nil
Total	1287	1,598,568	—	107	Nil

**SECTION III—Character of shipping and trade during the years  
1954 and 1955.**

**TABLE C.**

**1954**

Passenger Traffic : Number of passengers INWARDS ... .. 189,452  
                                     Number of passengers OUTWARDS ... .. 185,440

In addition, during the month of August 5,396 passengers were transported on day trips to Douglas, I.O.M.

Cargo Traffic : Principal IMPORTS — Cottons, Linens, Tobacco and Sundry Merchandise.

	Total Imports		
	Tons		
Ex Belfast (Coastwise) ... ..	88,282		
Ex Londonderry (Coastwise) ... ..	7,018		
Oil ex Tankers (Foreign) ... ..	1,356,014		
Principal EXPORTS — Sundry Merchandise			
	Goods	Bunker	Total
	Cargo	Coal	Exports
	Tons	Tons	Tons
To Belfast (Coastwise) ... ..	147,807	49,975	197,782
To Londonderry (Coastwise) ... ..	13,854	—	13,854
Oil (Coastwise) ... ..	699,371	—	699,371

**Livestock — Imports and Exports**

**Imports :**

	Horses	Cattle	Pigs	Sheep	Others
Ex Belfast ... ..	1,143	35,656	3,592	62,282	61
Ex Londonderry ... ..	62	6,918	600	42,721	24

**Exports :**

	89	70	66	81	3
To Belfast ... ..					
To Londonderry ... ..	—	—	—	—	—

Principal Ports from which ships arrive : Belfast, Londonderry, and ports around Persian Gulf, Suez and North Africa.

**1955**

Passenger Traffic : Number of passengers INWARDS ... .. 196,487  
                                     Number of passengers OUTWARDS ... .. 191,004

In addition, during the month of August 10,098 passengers were transported on day trips to Douglas, I.O.M.

Cargo Traffic : Principal IMPORTS : Cottons, Linens, Tobacco and Sundry Merchandise.

	Total Imports Tons
Ex Belfast (Coastwise) ... ..	79,130
Ex Londonderry (Coastwise) ... ..	4,976
Oil ex Tankers (Foreign) ... ..	1,404,754

Principal EXPORTS : Sundry Merchandise and Chemical Fertilisers.  
Oil imports are from Ports around Suez, the Persian Gulf and North Africa.

	Goods Cargo Tons	Bunker Coal Tons	Total Exports Tons
To Belfast (Coastwise) ... ..	145,268	50,503	195,771
To Londonderry (Coastwise) ... ..	16,447	69	16,516
Oil (Coastwise) ... ..	687,630	—	687,630
Others ... ..		123	123

#### Livestock — Imports and Exports

##### Imports :

	Horses	Cattle	Pigs	Sheep	Others
Ex Belfast ... ..	443	36,459	23,258	43,216	36
Ex Londonderry ... ..	56	5,648	3,109	35,657	2

##### Exports :

	Horses	Cattle	Pigs	Sheep	Others
To Belfast ... ..	38	46	39	110	3
To Londonderry ... ..	—	—	—	—	—

Principal Ports from which ships arrive : Belfast, Londonderry, and Ports around Suez and Persian Gulf.

#### SECTION IV — Inland Barge Traffic

Nil.

#### SECTION V — Water Supply

- Source of supply for (a) the district; (b) shipping.  
Town supply for both.
- Reports of tests for contamination.  
Bacteriological and chemical satisfactory.
- Precautions taken against contamination of hydrants and hosepipes.  
Usual.
- Number and sanitary condition of water boats, and powers of control by the Authority.  
None employed.

## SECTION VI—Public Health (Ships) Regulations, 1952

### 1. LIST OF INFECTED AREAS (Regulation 6).

Arrangements for the preparation and amendment of the list, the form of the list, the persons to whom it is supplied, and the procedure for supplying it to those persons.

Weekly copy from the Ministry forwarded direct to Waterguard Office for Customs Officers and copy retained by Medical Officer.

### 2. RADIO MESSAGES.

(a) Arrangements for sending permission by radio for ships to enter the district. (Regulation 13).

Not ordinarily needed but arrangements have been made for messages to be given immediately by Railway Executive and Shipping Agents to Waterguard Office.

(b) Arrangements for receiving messages by radio from ships for acting thereon. (Regulation 14 [1] and [2]).

See notes to (a) above.

### 3. NOTIFICATIONS OTHERWISE THAN BY RADIO (Regulation 14 (1) (b)).

Arrangements for receiving notifications otherwise than by radio and for acting thereon.

This is usually received by the Customs Officer and handed later to the Sanitary Authority.

### 4. MOORING STATIONS (Regulations 22 to 30).

Situation of stations, any standing directions issued under these Regulations.

(a) Inner Mooring—for cases of smallpox and typhus (Easterly end of North Side).

(b) Outer Mooring—for cases of cholera, yellow fever and plague (at Lune Deeps).

### STANDING EXEMPTIONS.

(a) All ordinary notifiable infectious diseases other than those specified above.

(b) Ships otherwise clean, which have arrived from a listed port in an infected area.

### 5. ARRANGEMENTS FOR—

(a) Hospital accommodation for infectious diseases (other than smallpox—See Section VII).

An infectious disease hospital at Lancaster is available for all cases except smallpox. For smallpox cases the Regional Hospital Board will make arrangements.

(b) Surveillance and follow up of contacts.

Contacts requiring to be kept under surveillance would be kept on board or accommodated at hospital.

- (c) Cleansing and disinfection of ships, persons, clothing and other articles.

A steam disinfector is provided for bedding and clothing.

Appliances and materials are available for the disinfecting of ships and this would be carried out by the Health Department staff.

### **SECTION VII—Smallpox**

1. Name of Isolation Hospital to which smallpox cases are sent from the district.

Regional Hospital Board will make arrangements.

2. Arrangements for transport of such cases to that hospital by ambulance, giving the name of the Authority responsible for the ambulance and the vaccinal state of the ambulance crews.

A special motor ambulance is available with attendants.

3. Name(s) of smallpox consultant(s) available.

Dr. D. C. Liddle, Monsall Hospital, Manchester.

4. Facilities for laboratory diagnosis of smallpox.

Submitted to pathologists ordinarily employed by the Public Health Authority. Usually the Pathologist attached to the Royal Infirmary, Lancaster.

### **SECTION VIII—Venereal Diseases.**

Information as to the location, days and hours of the available facilities for the diagnosis and treatment of venereal disease among merchant seamen under international arrangements, include in-patient treatment and the steps taken to make these facilities known to seamen.

No special arrangement for sailors. There is a clinic at the Royal Lancaster Infirmary.

### **SECTION IX—Cases of notifiable and other infectious diseases on ships**

#### **TABLE D.**

Nil return.

### **SECTION X — Observations on the occurrence of malaria in ships**

Nil return.

### **SECTION XI — Measures taken against ships infected with or suspected for plague.**

None needed.

### **SECTION XII — Measures against rodents in ships from foreign ports**

1. Procedure for inspection of ships for rats.

Ships with expired certificates sent to Barrow.

2. Arrangements for the bacteriological or pathological examination of rodents, with special reference to rodent plague, including the number of rodents sent for examination during the year.

Submitted to pathologists ordinarily employed by the Public Health Authority. Ususally the Pathologist attached to the Royal Infirmary, Lancaster.

3. Arrangements in the district for deratting ships, the methods used, and, if done by a commercial contractor, the name of the contractor.

Not carried out.

4. Progress in the rat-proofing of ships.

Not carried out.

#### **TABLE E**

Rodents destroyed during the year in ships from foreign ports.

Not known.

#### **TABLE F**

Deratting Certificates and Deratting Exemption Certificates issued during the year for ships from foreign ports.

Nil.

### **SECTION XIII—Inspection of ships for nuisances.**

#### **TABLE G**

##### **Inspections and Notices.**

93 vessels were boarded in 1954 and 107 in 1955—no action necessary.

### **SECTION XIV—Public Health (Shell-fish) Regulations 1934 and 1948**

Information respecting any shell-fish beds or laying within the jurisdiction of the Authority stating whether they are in the opinion of the Medical Officer of Health, liable to pollution. A report of any action taken, which should state whether any prohibited area has been prescribed, should be included.

Under the Heysham and Morecambe Bay (Shell-fish) Regulations, 1926, an area of Morecambe Bay was prescribed and any mussels taken from this area must be subjected to an approved process of cleansing or sterilisation before being made available for human consumption. The cleansing process is carried out at Lytham Saint Annes.

No further action under the Public Health (Shell-fish) Regulations 1934 and 1948 has been necessary.

### **SECTION XV—Medical Inspection of Aliens (applicable only to ports approved for the landing of aliens).**

Nil—Not a port approved for the landing of aliens.

### **SECTION XVI—Miscellaneous**

Arrangements for the burial on shore of persons who have died on board ship from infectious diseases.

Nil.

## METEOROLOGICAL REPORT FOR YEAR 1954

### From readings taken at the Super Swimming Stadium

During the year 1954, Meteorological work continued as in previous years, readings being taken at 09.00 hours, 10.00 hours and 17.00 hours in Summer, and 09.00 hours and 18.00 hours in Winter, G.M.T.

Monthly reports are sent to the Meteorological Office.

Morning and evening Code Weather telegrams are sent to the Air Ministry.

Reports sent weekly to "Morecambe Visitor," "Morecambe Guardian," and "Morecambe Times." Daily readings are sent to the "Lancashire Daily Post."

A daily weather report was exhibited during the Summer at the Information Bureau.

The Summer of 1954 was most disappointing owing to the lack of sunshine. It was the lowest yearly total recorded at this Station since 1898—1,241 hours 48 minutes as against the highest recorded total set up in 1911—1,999 hours 40 minutes.

April produced the highest monthly total sunshine for the year—201 hours 48 minutes. July and August totalled only 117 hours 24 minutes and 101 hours 18 minutes respectively.

April, too, was the month in which the least rain fell—1.04 inches. June, July and August each had over 4 ins. of rain.

The highest temperature of the year occurred on the 1st September—77°.

The mean force of the wind was 2.49 compared with 2.70 in 1953.

**Summarising :** It was cooler throughout the year on the average than 1953, very much less sunshine, very much more rain, not so rough in regard to wind force—the sky was not so overcast.

### BAROMETRIC PRESSURE (Millibars)

1954	Mean of the Month	Highest Reading	Date	Lowest Reading	Date
January .....	1018.67	1036.5	1st, 2nd	987.4	15th
February ...	1007.34	1034.9	3rd	974.8	26th
March .....	1005.37	1023.5	16th	968.7	3rd
April .....	1023.71	1037.8	16th	1001.1	1st
May .....	1014.08	1027.0	19th	984.1	2nd
June .....	1011.63	1024.9	29th	990.6	8th
July .....	1008.69	1019.1	13th	988.1	27th
August .....	1008.95	1023.2	28th	990.4	9th
September ...	1007.30	1019.5	23rd	995.2	24th
October .....	1008.45	1029.1	7th	981.5	24th
November ...	1006.20	1035.0	15th, 17th	963.4	30th
December ...	1008.40	1025.7	17th	958.4	9th
Year .....	1010.73	1037.8	16th April	958.4	9th. Dec.

# SUNSHINE (Recorded by Campbell-Stokes Instrument)

1954	Total Sunshine h.m.	Greatest daily amount of sun h.m.	Date	Days on which sun shone	Sunless Days
January .....	49.42	6.36	30th	16	15
February ...	59.42	7.42	20th	18	10
March .....	127.54	10.00	16th	26	5
April .....	201.48	12.54	28th	27	3
May .....	149.54	13.30	18th	27	4
June .....	152.12	15.12	3rd	24	6
July .....	117.24	11.30	12th, 19th	27	4
August .....	101.18	10.54	2nd	27	4
September ...	143.36	11.00	22nd	27	3
October .....	64.00	9.18	25th	20	11
November ...	56.36	7.48	14th	18	12
December ...	17.42	5.48	15th	9	22
Year .....	1241.48	15.12	3rd June	266	99

Average daily — 3 hrs 24 mins.

# SHADE TEMPERATURE °F.

1954	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Min.	Date
January .....	42.0	34.1	51	14th, 15th	24	8th
February ...	41.1	32.3	51	22nd	20	2nd
March .....	48.0	37.6	61	11th	21	1st
April .....	52.0	40.8	57	17th	35	6, 7, 23rd
May .....	59.3	47.1	72	27th	40	1, 2, 8th
June .....	61.4	51.1	72	4th, 5th	45	1st
July .....	61.2	52.9	67	11th	44	6th
August .....	62.9	53.9	67	4th	50	1, 12, 17th
September ...	60.4	49.8	77	1st	37	27th
October ...	57.3	29.4	58	2nd	32	26th
November ..	50.0	40.1	57	29th	31	17th
December ..	47.6	41.2	56	2nd	33	8, 9, 14th
Year .....	53.6	42.5	77	1st Sept.	20	2nd Feb.

# RAINFALL (In inches and hundredths)

(Height above sea level—OD. 27.96 ft.)

1954	Total amount inches	Days of rain .01 ins. or more	Greatest fall in 24 hrs.	Date
January .....	3.34	10	1.79	20th
February .....	3.17	15	0.77	9th
March .....	2.36	12	0.59	25th
April .....	1.04	6	0.38	3rd
May .....	2.62	10	0.82	28th
June .....	4.20	15	1.29	15th
July .....	4.63	17	1.18	23rd
August .....	4.66	19	0.85	17th
September .....	7.45	22	1.31	10th
October .....	8.52	23	1.26	23rd
November .....	6.56	22	1.03	23rd
December .....	4.69	22	1.38	1st
Year .....	53.24	193	1.79	20th Jan.

# WIND DIRECTION

1954	S.	SW.	SE.	W.	NW.	N.	NE.	E.	Calm Days
January .....	2	2	5	1	4	4	9	4	—
February .....	2	5	6	—	1	—	8	6	—
March .....	2	5	8	3	—	—	7	6	—
April .....	1	6	3	5	3	1	7	4	—
May .....	5	—	5	6	2	1	10	2	1
June .....	5	4	1	5	4	1	7	3	1
July .....	4	2	2	12	9	2	—	—	—
August .....	7	3	2	7	1	2	6	3	—
September ...	6	2	3	11	5	—	3	—	—
October .....	3	15	2	7	3	—	1	—	—
November ...	2	11	4	2	4	—	5	2	—
December ...	7	10	2	5	6	—	—	1	—
Year .....	46	65	43	64	42	11	63	31	2

**CLOUD****WIND**

(At time of observation.  
Measured by Beaufort Scale)

	Mean Amount of Cloud 0—10	Mean Force of Wind 0—12	Gale Force 8 or over
1954			
January .....	3.61 Oktas .....	2.65 .....	—
February .....	6.47 „ .....	2.36 .....	—
March .....	6.06 „ .....	2.11 .....	—
April .....	5.33 „ .....	2.13 .....	—
May .....	5.96 „ .....	2.23 .....	1
June .....	5.73 „ .....	2.71 .....	1
July .....	6.12 „ .....	2.87 .....	1
August .....	6.45 „ .....	2.13 .....	—
September .....	5.56 „ .....	2.73 .....	—
October .....	6.77 „ .....	2.19 .....	—
November .....	6.20 „ .....	2.83 .....	2
December .....	6.55 „ .....	3.00 .....	1
Year .....	5.91 „ .....	2.49 .....	6

**METEOROLOGICAL REPORT — 1955**

From readings taken at the Super Swimming Stadium,  
Morecambe and Heysham

During the year 1955, Meteorological work continued as in previous years, readings being taken at 09.00 hours, 10.00 hours and 17.00 hours in Summer, and 09.00 and 18.00 hours in Winter, G.M.T.

Monthly reports are sent to the Meteorological Office.

Morning and evening Code Weather telegrams are sent to the Air Ministry.

Reports sent weekly to "Morecambe Visitor," "Morecambe Guardian" and "Morecambe Times." Daily readings are sent to the "Lancashire Daily Post."

A daily weather report was exhibited during the Summer at the Information Bureau.

The year 1955 was most encouraging, especially after the poor year of 1954. With a total of 1,742 hours 12 mins. sunshine for the year, it compares most favourably with a total of 1,241 hours 48 minutes for 1954. The difference in yearly total rainfall is also most noticeable, 1955 — 29.75"; 1954 — 53.24".

July was the sunniest month of the year and the total of 326 hours 12 minutes created a monthly record at this Station for this particular month. In fact, this July total sunshine was the second best ever recorded in any month.

March, strangely enough, was the month in which least rain fell—1.11". December was the only month with over 4 inches of rain.

The average temperature over the year was not very much higher than in 1954—the difference being approximately 1°F. Highest temperature

recorded in 1955 was 82°F on two occasions in August.

Most winds came from the North East—104. This was the case in both 1952 and 1953, but in 1954 (a bad Summer) more winds came from the South West.

**Summarising :** It was warmer throughout the year with a good amount of sunshine, little rain for the major part of the Summer, not so rough as regards to wind force and the sky not so overcast. It was a Summer we should like to see repeated.

#### BAROMETRIC PRESSURE (Millibars)

1955	Mean of the Month	Highest Reading	Date	Lowest Reading	Date
January .....	1007.42	1035.4	2nd	985.8	10th
February .....	1004.61	1023.0	28th	985.5	3rd
March .....	1018.38	1033.2	4th	990.2	24th
April .....	1020.77	1037.3	17th	1005.4	27th
May .....	1011.19	1031.7	30th	988.5	4th
June .....	1014.74	1023.7	26th	997.0	12th
July .....	1020.44	1030.9	7th, 8th	998.8	2nd
August .....	1019.19	1026.0	10th	1009.9	17th
September ...	1014.04	1025.9	27th	999.7	2nd
October .....	1013.79	1027.9	1st	981.8	19th
November ...	1017.02	1038.3	16th	992.1	4th
December ...	1004.71	1029.1	4th	975.4	15th
Year .....	1013.85	1038.3	16th Nov.	975.4	15th Dec.

#### SUNSHINE (Recorded by Campbell-Stokes Instrument)

1955	Total Sunshine h.m.	Greatest daily amount of sun h.m.	Date	Days on which sun shone	Sunless Days
January .....	37.18	6.30	11th	13	18
February ...	92.30	9.06	26th	22	6
March .....	178.30	11.12	30th, 31st	28	3
April .....	168.12	13.24	24th	24	6
May .....	210.48	15.36	31st	29	2
June .....	167.00	15.42	1st	21	9
July .....	326.12	15.24	9th	31	—
August .....	229.00	14.00	1st, 8th	28	3
September ...	138.36	10.06	23rd	29	1
October .....	102.36	9.00	3rd	26	5
November ...	62.36	7.12	1st	22	8
December ...	28.54	5.24	30th	12	19
Year .....	1742.12	15.42	1st June	285	80

Average daily — 4 hrs. 46 mins.

NOTES — Record for 1 day — 16 hrs. 12 mins. — 22nd June, 1937.

Highest yearly sunshine — 1911 — 1999 hrs. 40 mins.

Lowest yearly sunshine — 1954 — 1241 hrs. 48 minutes.

# **SHADE TEMPERATURE °F.**

1955	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Min.	Date
January .....	41.8	33.8	52	29th	21	17th
February ...	38.8	31.2	48	1st	24	23rd
March .....	44.0	32.6	48	25th, 31st	27	20th
April .....	53.3	41.7	59	5th	32	1st
May .....	55.5	44.0	74	31st	35	11th
June .....	61.9	50.4	75	6th	39	10th
July .....	71.5	56.5	81	27th	48	1st
August .....	72.1	57.7	82	23rd, 24th	49	8th
September ...	63.1	53.5	74	8th	48	14th, 15th
October ...	54.5	43.4	64	9th	29	18th, 31st
November ..	50.0	41.4	58	3rd, 5th, 6th, 7th	29	17th
December ..	46.5	36.9	53	7th, 14th 25th	25	19, 20th, 22nd
Year .....	54.4	43.6	82	23rd, 24th Aug.	21	17th Jan.

NOTES — Record Highest temperature — 89°F. on 20th July, 1901; 29th July, 1948; and 6th June, 1950.

Record Lowest temperature — 8°F. on 26th January, 1945.

## **RAINFALL (In inches and hundredths)** (Height above sea level—OD. 27.96 ft.)

1955	Total amount inches	Days of rain .01 ins. or more	Greatest fall in 24 hrs.	Date
January .....	2.06	12	.52	9th
February .....	2.42	9	1.50	19th
March .....	1.11	6	.35	23rd
April .....	2.51	11	.67	27th
May .....	3.11	16	.60	12th
June .....	3.56	14	.87	7th
July .....	1.78	3	.99	2nd
August .....	1.63	11	.40	21st
September .....	2.90	13	.62	2nd
October .....	2.09	11	.50	19th
November .....	1.87	10	.38	10th
December .....	4.71	19	.82	8th
Year .....	29.75	135	1.50	19th Feb.

NOTES — Highest rainfall ever recorded — 3.72 ins. in 24 hrs. on 15th August, 1916; 2.52 ins. fell on 9th October, 1941.

Highest yearly rainfall — 56.73 ins. — 1928.

Lowest yearly rainfall — 27.07 ins. — 1941.

# WIND DIRECTION

1955	S.	SW.	SE.	W.	NW.	N.	NE.	E.	Calm Days
January .....	4	5	3	—	3	—	10	6	—
February .....	2	—	1	2	5	4	11	3	—
March .....	2	2	1	2	2	3	13	6	—
April .....	10	3	2	7	2	—	3	3	—
May .....	2	5	1	6	4	1	8	4	—
June .....	4	3	5	6	2	1	5	4	—
July .....	2	4	—	4	3	—	16	2	—
August .....	1	5	1	—	2	2	17	3	—
September ...	3	10	—	8	6	—	3	—	—
October .....	3	4	2	6	5	3	4	4	1
November ...	5	1	9	1	1	2	8	3	—
December ...	2	5	4	8	2	—	6	4	—
Year .....	40	47	29	50	37	16	104	42	1

## CLOUD

## WIND (Measured by Beaufort Scale)

1955	Mean Amount of Cloud 0—10	Mean Force of Wind 0—12	Gale Force 8 or over
January .....	6.74 Oktas	2.03	—
February .....	5.75 „	2.46	—
March .....	5.35 „	2.54	—
April .....	5.86 „	2.03	—
May .....	5.35 „	2.83	1
June .....	5.36 „	2.03	—
July .....	3.71 „	1.41	—
August .....	4.61 „	1.51	—
September .....	5.55 „	2.26	—
October .....	5.32 „	1.67	—
November .....	6.20 „	1.35	—
December .....	6.51 „	2.77	—
Year .....	5.53 „	2.07	1



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