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COUNTY BOROUGH OF MIDDLESBROUGH



ANNUAL REPORT

OF THE


Medical Officer of Health

FOR THE YEAR

1956

ERIC C. DOWNER

M.A., D.P.H.



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1956

ERIC C. DOWNER

M.A., D.P.H.

HEALTH DEPARTMENT,
26 SOUTHFIELD ROAD,
MIDDLESBROUGH.

To the Council of the County Borough of Middlesbrough
being the Local Health Authority and the Local Sanitary
Authority of that Area.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present my Annual Report for the year
1956.

During this year the department has had many problems, particularly in staffing. These have been reported from time to time to the appropriate Committees.

I should like to pay tribute to the warm co-operation which we have received from very many sources, from hospitals, consultants, general practitioners, from public bodies and their officers and from many members of the general public.

We have also, during the year, been much heartened by numerous letters of thanks and expressions of appreciation which have come to us from some of those to whom we have rendered service.

I wish to record my appreciation of the good work done by the medical, nursing, sanitary and clerical staffs of the Health Department and Sanitary Department during the year, which has enabled a very considerable volume of work to be completed by a depleted staff.

I have the honour to be,

Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

ERIC C. DOWNER,
Medical Officer of Health.

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THE HEALTH COMMITTEE,

Appointed May, 1956.

Chairman: Alderman J. W. Welch, J.P.

His Worship the Mayor (Alderman F. Manton, J.P.)

Alderman J. G. Boothby	Councillor A. Gibson
Alderman Mrs. L. Burton	Councillor N. S. Goldie
Alderman E. A. Dickinson	Councillor Mrs. M. B. Goodman
Alderman Mrs. H. Guthrie, J.P.	Councillor Mrs. R. M. Haston
Alderman T. Meehan, O.B.E., J.P.	Councillor R. H. Huggins
Alderman F. C. Pette, J.P.	Councillor L. Knott
Alderman B. Ramsey	Councillor P. J. McGlone
Alderman W. Randall	Councillor G. A. Morley
Councillor W. H. Adams	Councillor F. Morton
Councillor Mrs. E. Berry	Councillor N. Peters
Councillor J. A. Brown, J.P.	Councillor R. W. Porter
Councillor Mrs. G. R. Cox	Councillor Mrs. M. Sagar
Councillor A. T. Crosby	Councillor W. J. Story
Councillor Mrs. M. A. Daniel	Councillor E. Valentine
Councillor C. W. Davies	Councillor Mrs. A. Wain
Councillor W. Eckert	Councillor J. Wilson
Councillor Mrs. E. A. Gaunt	

with the following CO-OPTED MEMBERS:—

Dr. R. C. B. Arthur	Mr. R. H. Evans
Dr. J. R. Rowell	Mr. H. French
Mrs. I. Valentine	Mr. C. W. L. Heaton
Mr. C. Carter	Mr. J. Messiter
Mr. T. Davidson	Mr. H. Skerry
	Mr. A. Shaw

STAFF OF THE HEALTH DEPARTMENT, 1956.**Medical Officer of Health and Chief Medical Adviser:—**

Eric C. Downer, M.A., D.P.H.

Deputy Medical Officer of Health:—

Robert Taylor, M.B., CH.B., D.P.H.

Assistant Medical Officer of Health:—

Post Vacant

Senior Assistant Medical Officer of Health for Maternity and Child Welfare:—

Madeline Goldston, M.B., B.S.

***T.B. After-Care Medical Officer:—**

B. Couls, M.D., CH.B., D.P.H.

Assistant Medical Officers of Health for Maternity and Child Welfare:—

*Elizabeth Webster, M.B., B.S. (To 30.6.56)

*Mary Cooper, M.B., B.S.

*H. K. Geiser, M.R.C.O.G.

*E. M. MacGill (From 24.8.56)

*M. Baillie (From 14.9.56)

Superintendent Health Visitor:—

M. R. White, S.R.N., R.S.C.N., S.C.M., H.V.CERT.

Deputy Superintendent Health Visitor:—

R. Sutcliffe, S.R.N., S.C.M., H.V.CERT. (From 31.12.56)

Health Visitors:—

E. A. Clarke, S.R.N., R.F.N., C.M.B. (Part I) H.V.CERT.

E. E. Conlin, S.R.N., S.C.M., H.V.CERT. (From 13.2.56)

R. P. Coughlan, S.R.N., S.C.M., H.V.CERT. (To 31.3.56)

W. P. Dudley, S.R.N., S.C.M., H.V.CERT. (To 30.6.56)

E. Glasper, S.R.N., S.C.M., H.V.CERT.

U. M. Greenfield, S.R.N., S.C.M., H.V.CERT. (To 28.12.56)

S. P. Haggerty, S.R.N., S.C.M., H.V.CERT.

E. F. Heslop, S.R.N., R.S.C.N., C.M.B. (Part I) H.V.CERT. (To 30.9.56)

G. M. Houseman (née Osborn), S.R.N., S.C.M., H.V.CERT.

A. M. Husband, S.R.N., C.M.B. (Part I), H.V.CERT. (To 31.8.56)

K. Imeson, R.S.C.N., S.C.M., H.V.CERT.

M. M. Laycock, S.R.N., S.C.M., H.V.CERT. (To 31.12.56)

M. Lysaght, S.R.N., S.C.M., H.V.CERT. (To 31.10.56)

I. I. Mathison, S.R.N., S.C.M., H.V.CERT.

K. A. McNamara, S.R.N., C.M.B. (Part I), H.V.CERT.

M. Moran, S.R.N., R.F.N., S.C.M., H.V.CERT. (To 31.8.56)

F. M. Nixon, S.R.N., S.C.M., H.V.CERT.

D. Norman, S.R.N., S.C.M., H.V.CERT.

G. Oliphant, S.R.N., S.C.M., H.V.CERT.

O. M. Robertshaw, S.R.N., C.M.B. (Part I), H.V.CERT. (From 4.4.56)

J. Strickland, S.R.N., S.C.M., H.V.CERT.

C. M. Trowsdale, S.R.N., S.C.M., H.V.CERT.

Non-Medical Supervisor of Midwives:—

E. Dempsey, S.R.N., S.C.M., Q.N., H.V.CERT.

Municipal Midwives:—

M. Abbot, S.C.M. (To 31.10.56)
 J. Atkinson, S.R.N., C.M.B.
 I. Banes, S.C.M.
 M. Brown, S.C.M.
 M. Bell, S.C.M.
 M. Fairbairn, S.C.M.
 M. Guilietti, S.C.M.
 A. Heward, S.R.N., S.C.M.
 N. HILL, S.R.N., S.C.M.
 E. Jones, S.E.A.N., S.C.M.
 C. McKinlay, S.C.M.
 E. McIntosh, S.C.M.
 K. D. McPartland, S.R.N., S.C.M. (From 4.4.56)
 A. Oldham, S.C.M.
 B. A. O'Connell, S.R.N., S.C.M.
 T. Poole, S.R.N., S.C.M. (From 7.1.56)
 F. M. Scott, S.C.M., S.E.A.N.
 E. M. Smith, S.R.N., S.C.M.
 V. Smithson, S.C.M., S.E.A.N.
 D. Spencer, S.R.N., S.C.M.
 M. Stewart, S.E.A.N., S.C.M.
 M. Sullivan, S.R.N., S.C.M. (To 27.3.56)
 M. A. Tate, S.E.A.N., S.C.M. (From 7.6.56)
 K. M. Tiernan, S.R.N., S.C.M.
 A. A. Townsend, S.C.M.
 J. WATSON, S.R.N., S.C.M. (To 31.12.56)

Public Health Nurses:—

M. Bainbridge, R.S.C.N. (From 5.3.56)
 G. Bennison, S.R.N., C.M.B. (Part I)
 B. B. Boanas, S.R.N. (To 2.6.56)
 C. A. Bregazzi, S.R.N., S.C.M.
 M. M. Cunningham, S.R.N.
 A. J. Dean, R.S.C.N. (From 1.2.56)
 V. Hodge, S.R.N., C.M.B. (Part I)
 J. Kraus, S.R.N., S.C.M.
 M. Shields, S.R.N. (From 18.6.56)
 S. Taylor, R.S.C.N. (From 1.3.56)

Welfare Centre Attendants:—

*J. M. Craggs
 F. E. Irwin
 V. Harbron
 *D. Wildon

Tuberculosis Nurses:—

D. E. Hall, S.R.N.
 D. Talbot, S.R.N., S.C.M.
 M. J. Longwill, S.R.N., S.C.M.
 E. Clarke, S.R.N., R.F.N.

Tuberculosis Social Worker:—

Freda L. McCarthy

Handicrafts Instructress:—

A. E. Tamsett

Matrons, Day Nurseries:—

West Lane Nursery	...	...	I. Howe, S.R.N.
Parkside Nursery	...	...	*D. Little, N.N.C.
Mosman Terrace Nursery	...	...	M. Henderson, S.R.N.

Matron, Davison Home, Danby

M. E. Dougall, S.R.N.

Mental Welfare Officers:—

T. D. Hodgson (Duly Authorised Officer) (To 31.12.56)
 L. W. Sawdon (Duly Authorised Officer)
 A. E. Johnson (Mental Health Worker & Relief D.A.O.) (From 1.10.56)
 S. Bradley (Duly Authorised Officer) (To 31.1.56)
 I. Deas (Mental Health Worker) (From 19.3.56—16.8.56)
 F. Gray (Supervisor, Occupation Centre)
 G. Batterbee (Teacher of the Mentally Handicapped, Occupation Centre)
 *D. M. Finlay (Teacher of the Mentally Handicapped, Occupation Centre)
 M. I. Harbour (Teacher of the Mentally Handicapped, Occupation Centre)
 M. Quayle (Teacher of the Mentally Handicapped, Occupation Centre)
 R. A. Rossborough (Woodwork Instructor)

Social Worker:—

A. M. Higgins

Home Visitor/Teachers—Blind:—

D. Brown
 G. Reavley
 J. Smalls

Ambulance Officer:—

Arthur G. Pooley, M.M.

Deputy Ambulance Officer:—

H. Rowney

Domestic Help Organiser:—

A. M. Hutchinson

Chief Clerk:—

W. H. Dickinson

Administrative and Senior Clerks:—

H. E. Crosby
F. Murray (To 30.6.56)
F. M. Smith
L. Hall
H. C. Ogle
C. G. Thomas

Clerks—

R. W. Andrews
T. Atkinson—(National Service)
T. Brown
E. Brumpton
G. Bulmer
J. Cooper
O. Dickinson
O. Grosvenor
R. S. Harris (From 30.7.56)
A. E. Hunter
C. R. Kennedy
M. Lofthouse
M. McNulty (From 24.9.56)
E. C. Morphet
E. Nelson
P. J. Pearson

Shorthand-Typists:—

M. Robson (Senior)
F. Brumpton
N. Carter
D. Robinson
M. Simpson

* Part-time

SECTION A

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres) including 173 acres of tidal water	...	7,304
Estimated Population (Mid-1956)	... ..	149,900
Number of Inhabited Houses (end of 1956)	... ..	43,259
Rateable value (31.3.56)	... ..	£888,788
Rateable value (1.4.56)	... ..	£1,535,173
Product of a penny rate	... ..	£3,372

Number of Live Births:—

	Male	Female	Total
Legitimate	1,532	1,590	3,122
Illegitimate	97	95	192

Number of Still Births:—

Legitimate and Illegitimate	44	45	89
Illegitimate	2	2	4

Deaths Registered

Nett	960	746	1,706
------	-----	-----	-------

Deaths from:—

Typhoid and Paratyphoid Fevers	—	—	—
Measles	—	—	—
Scarlet Fever	—	—	—
Whooping Cough	—	—	—
Diphtheria	1	—	1
Influenza	7	5	12
Violence	—	—	—
Diarrhoea (under 2 years)	—	—	—
Cancer	165	128	293
Heart Disease	287	220	507
Tuberculosis	20	5	25
Pneumonia	58	31	89
Pregnancy	—	2	2

Deaths (under 1 year):—

Legitimate	57	36	93
Illegitimate	2	7	9
Total	59	43	102

Birth Rates and Death Rates, 1956:—

Rate per 1,000 population:—

	Middlesbrough	England & Wales
Live Births	22.1	14.6
Still Births	0.58	0.35

Annual Death Rate per 1,000 population:—

All causes	11.4	11.3
Typhoid and Paratyphoid Fevers ...	0.00	0.00
Smallpox	0.00	0.00
Diphtheria	0.006	—
Influenza	0.08	—
Whooping Cough	0.00	—
Tuberculosis	0.17	0.12
Acute Poliomyelitis and Polioencephalitis	0.00	—
Pneumonia	0.6	—

Rate per 1,000 Live Births:—

Maternal Mortality Rate per 1,000 total births:—

Maternal causes, excluding abortion	0.60	0.46
Due to abortion	Nil	0.10
Total Maternal Mortality	0.60	0.56

Death rate of Infants under one year of age:—

All infants per 1,000 live births ...	30.79	24*
Legitimate infants per 1,000 legiti- mate live births	29.80	—
Illegitimate infants per 1,000 illegiti- mate births	46.87	—

Comparative Rates:—

Birth rate (live births)	22.1	14.6
Death Rate	11.4	11.3
Infant Mortality Rate	30.79	24
Maternal Mortality Rate	0.60	0.56

* Per 1,000 related births.

Area Comparability Factors:—

Births	0.95
Deaths	1.22

Notifications—Rates per 1,000 population:—

Typhoid Fever	0.00
Paratyphoid Fever	0.00
Meningococcal Infection	0.02
Scarlet Fever	0.70
Whooping Cough	2.77
Diphtheria	0.01

Erysipelas	...	...	...	...	...	0.05
Smallpox	...	...	...	...	...	0.00
Measles	...	...	...	...	...	14.52
Pneumonia	...	...	...	...	...	0.10

Acute Poliomyelitis

(including Polioencephalitis)

Paralytic	...	...	...	...	...	0.15
Non-Paralytic	...	...	...	...	...	0.04
Food Poisoning	0.13

Rates per 1,000 Total Births

(Live and Still):—

Puerperal Pyrexia	10.80
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WARD STATISTICS.

Ward	No. of Cases of Infectious Disease per 1,000 population	Death Rate	Birth Rate	Infant Mortality Rate
Acklam	24.33	10.14	11.19	19
Ayresome	15.35	9.4	18.18	43
Cannon	28.72	11.85	34.4	18
Clairville	23.72	10.68	14.26	34
Cleveland	28.37	10.58	26.05	21
Crescent	22.23	23.36	12.32	—
Exchange	27.71	10.47	20.81	31
Gresham	19.92	13.02	15.45	17
Grove Hill	31.16	17.32	17.76	49
Linthorpe	21.84	14.3	11.86	12
Newport	31.97	10.59	30.97	44
North Ormesby	19.77	11.8	19.67	27
Park	24.83	11.48	15.89	32
Thorntree	62.9	6.58	38.75	44
Tollesby	25.71	8.32	16.83	27
St. Hilda's	25.93	12.35	28.72	8
Whinney Banks	24.75	8.06	17.06	21

SECTION B

CARE OF MOTHERS AND YOUNG CHILDREN.

The Maternity and Child Welfare Section is under the day-to-day supervision of the Deputy Medical Officer of Health. In addition, the Department had the services of a full-time Senior Assistant Medical Officer and four Assistant Medical Officers on a part-time or sessional basis.

The School Medical Officers also undertake sessions in Child Welfare Clinics and the Medical Officers of the Maternity and Child Welfare Section reciprocate by undertaking sessions for the School Health Service. In this way the experience of both is widened.

There was no change in the ante-natal clinics during year, seven ante-natal clinics giving seven half-day sessions per week. Resident obstetricians from the Middlesbrough Maternity Hospital attend at three of these clinics. The remaining four ante-natal clinics are attended by the Senior Assistant Medical Officer who is well experienced in midwifery. All the ante-natal clinics are thus attended by doctors who have considerable experience and interest in the care of the expectant mother.

The number of Child Welfare sessions remained at 18 half-day sessions weekly. One session at North Ormesby Centre was transferred to a Church Hall in Park End to provide a service in this growing area.

Dental Care of Expectant and Nursing Mothers and Children under School Age.

This Service, which was started in 1954, saw 264 expectant and nursing mothers and 93 children under five years of age. Examination and treatment when required were given.

It is still only possible, owing to shortage of dental officers, to provide one session weekly for this service.

Details of the work carried out are as under:—

A. Numbers provided with Dental Care.

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers	264	263	243	154
Children under five ..	93	93	93	93

B. Forms of Dental Treatment Provided.

	Scalings and Gum Treatment	Fillings	Silver Nitrate Treatment	Crowns or Inlays	Extractions	General Anaesthetic	Dentures provided		Radiographs
							Full Upper or Lower	Partial Upper or Lower	
Expectant & Nursing Mothers ..	2	1	—	—	2201	50	186	5	—
Children under five ..	—	4	—	—	213	91	—	—	—

MIDWIFERY SERVICE, 1956.

The number of midwives employed during the year 1956 was 25. Two midwives left, one of whom retired and the other left the town. The two midwives have not been replaced.

Number of midwives who notified their intention to practise as midwives during the year:—

Domiciliary midwives employed by the Local Authority including the Non-Medical Supervisor of Midwives	26
Maternity Hospital	23
Ardencaple Nursing Home	5
Number of deliveries attended by midwives	2,103
Doctors' booked cases:—	
As midwives	1,742
As maternity nurses	160
Unbooked cases (Medical Aid Forms):—	
As midwives	170
As maternity nurses	31
Number of Gas and Air Administrations:—	
As midwives	1,508
As maternity nurses	77
Administrations of Pethidine:—	
As midwives	1,194
As maternity nurses	76
Booking Session attendances:—	
New patients	2,174
Re-attendances	6,258
Number of cases in which medical aid was sought:—	
Doctors' booked cases	151
Unbooked cases	201
Ante-natal visits to patients' own home	5,361
Number of patients who were attended by midwives during labour, but who were eventually delivered in the Maternity Hospital	97

PUERPERAL PYREXIA.

There were 36 cases of Puerperal Pyrexia during the year, as compared with 44 in 1955. Of the 36 cases, 8 were district cases and 28 institutional.

Causes of Pyrexia on the district:—

- 2 Breast Abscess
- 2 Coryza
- 1 Axillary Adenitis
- 1 Pneumonia
- 1 Influenza
- 1 Cause Unknown

Causes of Pyrexia in Institutional cases:—

- 5 Upper Respiratory Infection
- 4 Anæmia
- 4 Uterine Infection
- 2 Urinary Infection
- 2 Influenza
- 1 Allergic Rash
- 1 Enterococcal Infection
- 1 Engorged Breast
- 8 Causes unknown

STILLBIRTHS.

There were 22 stillbirths in the district during the year as compared with 37 in 1955. The causes of these stillbirths were as follows:—

A. Maternal Health Factor	...	...	...	...	0
B. Obstetrical Complication Factor	...	...	...	...	9
3 Ante-partum Hæmorrhage					
1 Toxæmia					
4 Cord around neck					
1 True knot in cord					
C. Fœtal Abnormalities	...	...	...	...	1
1 Hydrocephalus					
D. Undetermined Factor	...	...	...	...	12

There were 140 stillbirths in Institutions during the year, as compared with 127 in 1955. The causes of the stillbirths were as follows:—

A. Maternal Health Factor	...	...	...	...	4
4 Rhesus Incompatibility					
B. Obstetrical Complications Factor	...	...	...	...	66
30 Ante-partum hæmorrhage					
28 Toxæmia					
4 Prolapsed cord					
1 Cord around neck					
1 Rupture uterus					
2 Delayed labour					
C. Fœtal Abnormalities	...	...	...	...	21
17 Anencephalus					
3 Hydrocephalus					
1 Multiple congenital abnormalities					
D. Undetermined Factor	...	...	...	...	49

NEO-NATAL DEATHS.

During the year there was a total of 124 neo-natal deaths. Of these 80 occurred in the Middlesbrough Maternity Hospital, 36 in other hospitals and 8 on the district.

The most common causes of neo-natal deaths are immaturity, intracranial injuries and congenital malformations. As single causes of death these occurred for 91 or practically three-quarters of the neo-natal deaths (immaturity 58, intracranial injuries 18, congenital malformations 15).

MATERNAL MORTALITY.

There were 2 maternal deaths during the year. Both cases were booked for domiciliary confinement. The first case was transferred in labour, as an emergency to the Middlesbrough Maternity Hospital and later died there. In the second case the Emergency Obstetrical Unit was called out, and while later being transferred to the Maternity Hospital, died on the way there. The certified causes of death were as follows:—

1. Para. 5 — aged 35 years.
Shock associated with hæmorrhage associated with toxæmia of pregnancy.
2. Para. 1 — aged 25 years.
Status eclampticus, fulminating toxæmia of pregnancy.

HEALTH VISITING.

Staff.

The year began with a Superintendent Health Visitor, 19 full-time health visitors, 1 part-time, and 6 public health nurses.

It ended with a Superintendent, Deputy Superintendent, 13 health visitors full-time and 2 part-time, and 9 public health nurses.

A full report on the Health Visiting Service was submitted to the Public Health Committee in the month of October.

Student Health Visitors.

Although there were several enquiries for training and one lady was accepted here and at Newcastle all withdrew and none were trained to enable deficiencies on the staff to be made good.

Public Health Administration Course.

Two students were received during the year, one English-woman and another from Jamaica.

Health Visitors' Educational Courses.

Two health visitors were sent to Manchester to study under Professor and Dr. Ewing, the ascertainment of hearing in young children and the workings of a Diagnostic Clinic in connection with the deaf.

One went to Oxford for a Refresher course in general Health Visiting.

Hospital Student Nurses' Training.

During the year, student nurses from the four hospitals with whom we have an arrangement, i.e., the General, North Ormesby, Hemlington and Stockton and Thornaby Hospitals, attended a course of lectures in March and September given by members of the Department to the total of approximately 24 hours. In addition, 200 sessions of practical work were arranged.

Home Visiting.

The number of separate families or households visited by all staff is given as 12,133 as against 12,157 for the previous year. Approximately 16,222 children have received 43,372 visits excluding those for infectious diseases. This corresponds with 16,092 children receiving 47,303 visits in 1955. This number, however, cannot be said to be satisfactory and gives children less than three visits each. As considerably more visits than three should be given to infants, it will be seen that the visits to the older baby and toddler are not as satisfactory as they should be.

Hospital After-care.

Increasingly, the hospital authorities are asking for environmental reports of patients regarding whom they have doubts about the possibility of adequate care on discharge. In this way the health visiting staff is able to visit the home to give help and advice to the receiving relatives or friends, and suggest ways and means of obtaining any equipment likely to be required. The reports of the home and conditions are a valuable guide to the hospital doctor and may influence him regarding the discharge of the patient, or his further retention.

Care of the Aged.

The addition of a further public health nurse to give help with the old people, has enabled us to increase this work. Visits to elderly men have amounted to 5,704 and that to the women, 9,475, giving a total of 15,179.

At the end of the year, 1,412 old people were on the register for visiting and care, some having received attention for six or seven years. In addition, 224 were in hospital at the end of the year for rehabilitation, but were expected to return to our care at some future date on discharge.

Efforts continue to be made to improve the hygiene, happiness and comfort of the old people and of the visits recorded above 822 were to elderly women, for the purposes of bathing and a further 60 for hairwashing. Visits to the old men for shaves and haircutting amounted to 1,402.

The following table gives the particulars and classification of visits paid during the year:—

Birth Enquiry or first visits	3,111
Visits to children 0—1 (excluding above)	14,034
Visits to children 1—5	26,227
Special visits	1,184
Neo-natal and infant death visits	51
Ante-natal first visits	82
Ante-natal re-visits	220
Visits to aged men and others	5,704
Visits to aged women and others	9,475
Infectious disease visits	3,017
Ineffectual visits	6,705
	<hr/>
	69,810
	<hr/>

The regular cleansing survey has been continued at the Occupation Centre. There have been 1,431 head inspections and there were 48 cases of pediculosis. All these were treated.

There were 1,479 inspections for personal cleanliness and 96 baths or hair washing given.

Transfers of Children to and from other Authorities have been given careful attention, the number received being 207 and those whose particulars were transferred number 39.

During the year more children have moved and have been lost sight of and at the end of the year these numbered 130.

Premature Births.

The number of premature infants born in the town were 384, a considerable reduction on last year. Of the total, 252 were residents in the County Borough and 132 were non-residents. See Table VI.

Child Welfare Centres.

A centre was opened in St. Pius X Church on Park End on 27th January, 1956. The facilities here have been inadequate but a degree of service has been made available to the mothers of young children of this area.

Number of children 0-1 attending for the first time ...	2,025
Number of children 1-5 attending for the first time ...	204
Number of attendances of children 0-1	19,991
Number of attendances of children 1-5	8,248
Number of children examined by the doctor	4,826
Number of children, advice given by health visitors ...	24,194
Number of sessions	860

The following table shows the attendances made during the year at each Centre:—

				0—1	1—5
Elizabeth Purvis Centre	2 sessions	weekly	...	2,150	704
Lord Street (Cannon)	2	„	„	2,358	1,015
Ayresome	2	„	„	2,048	728
Grove Hill	2	„	„	2,381	1,042
American Red Cross	1 session	„	„	994	405
Acklam	1	„	„	1,419	598
North Ormesby	1	„	„	1,719	484
Thorntree	3 sessions	„	„	2,515	1,508
Whinney Banks	1 session	„	„	1,426	520
St. Barnabas	2 sessions	„	„	1,359	744
Park End	1 session	„	„	1,622	500
				<hr/> 19,991	<hr/> 8,248

Number of children recommended for special treatment from Child Welfare Centres:—

Dental treatment	...	...	...	...	13
General Hospital	...	...	...	...	1
U.V.L.	...	...	...	...	91
Orthopædic School Clinic	...	...	...	...	71
Dermatologist	...	...	...	...	1
Pædiatrician	...	...	...	...	10
Chest Clinic for B.C.G.	...	...	...	...	31
Speech Clinic	...	...	...	...	15
North Ormesby Hospital	...	...	...	...	1
North Riding Infirmary, strabismus	...	...	...	...	21
School Clinic	...	...	...	...	—
X-ray, North Ormesby Hospital	...	...	...	...	—

Number of children recommended for dental treatment by health visitors after examination in their home, 80.

Number of Patch Tests taken at Child Welfare

Centres and Nurseries	...	...	...	...	31
Elizabeth Purvis	...	...	...	...	3
Acklam	...	...	...	...	—
Grove Hill	...	...	...	...	7
Lord Street	...	...	...	...	3
Thorntree	...	...	...	...	5
North Ormesby	...	...	...	...	10
Ayresome	...	...	...	...	2
St. Barnabas	...	...	...	...	—
Day Nurseries	...	...	...	...	—
Park End	...	...	...	...	2

Ascertainment of Hearing in Young Children.

During the year 218 children had been tested, 8 were unsuccessful at the first test for a variety of reasons, sometimes unco-operation on the part of the child.

Attempts are made to re-test where the first test is unsuccessful but there have been some failures to attend due, as a rule, to the parents' lack of appreciation of the need. This attitude we hope will improve as they become more accustomed to the service.

District Ante-Natal Clinics.

There has been a decrease in the number of mothers attending district ante-natal clinics with the exception of Thorntree and that at Whinney Banks, where the number of attendances has increased. It is a matter of very real regret that more mothers do not attend for ante-natal care, advice and teaching at the centres.

Owing to the shortage of staff it has been less easy to use the various types of teaching materials such as flannelgraphs and filmstrips but the health visitor has been able to give counsel and help.

There continues to be a lack of appreciation of the need for post-natal examination which can be received at all the Ante-Natal Clinics and the figures throughout the town at all clinics are very poor.

Details of the Ante-natal attendances are as follows, with two previous years' for comparison:—

Lord Street (Cannon)					1956	1955	1954
1st attendances	...	...	...	93	142	166
Re-	„	...	...	313	439	518
				<hr/>	<hr/>	<hr/>	
				406	581	684	
				<hr/>	<hr/>	<hr/>	
American Red Cross:							
1st attendances	...	...	...	73	110	118
Re-	„	...	...	240	234	337
				<hr/>	<hr/>	<hr/>	
				313	344	455	
				<hr/>	<hr/>	<hr/>	
Thorntree:							
1st attendances	...	...	...	66	60	77
Re-	„	...	...	282	239	232
				<hr/>	<hr/>	<hr/>	
				348	299	309	
				<hr/>	<hr/>	<hr/>	
Newlands:							
1st attendances	...	...	...	73	80	92
Re-	„	...	...	248	288	283
				<hr/>	<hr/>	<hr/>	
				321	368	375	
				<hr/>	<hr/>	<hr/>	

Grove Hill:						
1st attendances	...	...	...	72	106	108
Re- ..	...	...	...	245	443	435
				<u>317</u>	<u>549</u>	<u>543</u>
North Ormesby:						
1st attendances	...	...	...	108	104	152
Re- ..	...	...	...	423	511	516
				<u>531</u>	<u>615</u>	<u>668</u>
Whinney Banks:						
1st attendances	...	...	...	49	61	66
Re- ..	...	...	...	252	237	312
				<u>301</u>	<u>298</u>	<u>378</u>
Total 1st attendances	...	...	...	534	663	779
Total Re- ..	...	...	...	2,003	2,391	2,633
				<u>2,537</u>	<u>3,054</u>	<u>3,412</u>

Post-Natal Attendance.

The number of attendances made at clinics which are run in connection with, and at the same time as, the ante-natal clinics was only 63.

The number of expectant and post-natal mothers recommended for further examination or treatment amounted to 120 particulars of which appear below:—

Family Planning	...	...	...	...	42
North Ormesby Hospital, Chest X-ray	...	...	...	...	4
North Ormesby Hospital, Obstetric X-ray	...	...	...	...	41
Chest Clinic	...	...	...	...	—
Dental Clinic	...	...	...	...	26
General Hospital	...	...	...	...	5
Special Clinic	...	...	...	...	2
Dermatologist	...	...	...	...	—
					<u>120</u>
Number of mothers referred to dentist by health					
visitors	...	...	...	...	99

In addition 427 mothers were referred for chest X-ray at the Mass Radiography Unit and of these 202 responded to the invitation and were found to be satisfactory. It is still not easy to convince the mothers that a chest X-ray should be part of their ante-natal preparation.

ILLEGITIMATE BIRTHS.

There were 153 illegitimate births in the County Borough during the year.

The following table shows the figure of illegitimate births since 1945:—

1945	...	...	...	223
1946	...	...	...	276
1947	...	...	...	227
1948	...	...	...	202
1949	...	...	...	188
1950	...	...	...	215
1951	...	...	...	180
1952	...	...	...	152
1953	...	...	...	157
1954	...	...	...	165
1955	...	...	...	154
1956	...	...	...	153

ROUTINE BLOOD TESTING.

Routine Blood samples for testing Rhesus Factor and Kahn reaction continue being taken at all Ante-Natal Clinics.

Total number of specimens taken through the year—1,053.

Rhesus Negative—137.

Rhesus Positive—388.

Total **525** including 6 with antibodies present.

Wasserman Tests—total **5**.

Two being Positive.

Three being Negative.

Also **2** Tests for Blood Sugar.

521—Cytology. Hæmoglobin estimation.

ORTHOPÆDIC TREATMENT.

An Orthopædic Surgeon of the Adela Shaw Orthopædic Hospital, Kirbymoorside, attends the School Clinic approximately every fortnight. Cases recommended from our Welfare Centres are referred for treatment.

There were 20 sessions during the year and 284 appointments made, of which 71 were new cases.

SALE OF WELFARE FOODS.

During the year there were the following issues of Ministry of Food products and sales of Proprietary Welfare Foods. Figures for the previous year are shown for comparison.

	1955	1956
National Dried Milk	87,657	88,394
Bottles of Orange Juice	95,560	101,795
Bottles of Cod Liver Oil	15,538	13,964
Vitamin Tablets	6,886	7,132
Proprietary Food Sales	£6,259	£7,054
Pkts. of Food issued free of charge ...	404	394

FAMILY PLANNING CLINIC.

This service was continued during the year in conjunction with the Family Planning Association at the North Ormesby Welfare Centre, with free consultations for patients in the town referred there for medical reasons which satisfied the Council's medical officer.

Ninety-five patients were referred for consultation from the following sources:—

General practitioners	...	...	...	...	10
Welfare Centres and Ante-Natal Clinics	...	...	...	...	51
Chest Clinics	...	...	...	...	11
St. Luke's Hospital	...	...	...	...	23

DAY NURSERIES.

	No. of Places		No. on Register at 31.12.1956		Average Daily Attendance	
	0-2	2-5	0-2	2-5	0-2	2-5
Mosman Terrace ..	25	35	19	38	14	27
Parkside	25	35	17	29	19	28
West Lane ..	25	35	19	30	16	20

The Council has continued to maintain the three day nurseries at Mosman Terrace, Parkside and West Lane.

The nursery fees are assessed according to the family income, the maximum daily fee being 14s. 5d.

NURSERIES AND CHILD-MINDERS REGULATION ACT, 1948.

Three nursery classes are now operating in the County Borough accommodating 88 children.

The classes are held at:—

“Grey Tiles” Nursery School, Green Lane (40 places).

The Grove Hill Nursery Class, Grove Hill Methodist Chapel Schoolroom (20 places).

Settlement Hall, Newport Road (28 places).

SECTION C

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The total number of notifications received during the year was 4,596 compared with 4,386 in the previous year.

Diphtheria.

Again, this year, I have to report the recurrence of diphtheria in the town. There were two cases as against five in 1955, both cases were in young children who had not been immunised. I grieve to say that one these children died from the disease—a needless loss of a young life which could easily have been prevented by immunisation.

Six other cases were admitted to West Lane Hospital as possible diphtheria cases. The final diagnosis in each of these cases proved not to be diphtheria.

Scarlet Fever.

One hundred and five notifications were received as against 141 for the year 1955. Individual cases continued to be of a mild type and there were no deaths.

Paratyphoid Fever.

No case was notified.

Meningococcal Infections.

There were six notifications of Meningococcal Infection in 1956. There was one death.

Erysipelas.

There were 8 notified cases.

Puerperal Pyrexia.

Thirty-six cases were notified.

Dysentery.

Notifications of Bacillary Dysentery numbered 313 as against 742 for the year 1955; 312 of the Sonnei type and one Flexner.

Measles.

During the year 2,178 notifications were received as compared with 1,580 for the year 1955. All cases were visited and kept under observation by Health Department Nurses. No death was notified.

Chickenpox.

One thousand one hundred and ninety-one notifications were received, of which 711 occurred in schoolchildren. All cases were visited by Health Department and School Nurses.

Whooping Cough.

There were 415 cases notified during the year with no deaths, as compared with 383 cases and no deaths in 1955. All cases were visited by Health Department and School Nurses.

Ophthalmia Neonatorum.

Four cases were notified.

Influenza.

There were 8 deaths from this disease, as compared with 5 in the previous year.

Influenzal Pneumonia.

Fifteen cases were notified.

Acute Primary Pneumonia.

There were 95 cases notified, and there were 114 deaths.

Smallpox.

No case occurred during the year.

Poliomyelitis.

There were 7 cases of paralytic poliomyelitis and 22 cases of non-paralytic poliomyelitis during the year, none of which was fatal. Twenty-five of the 29 cases occurred during the three month period July—September.

Encephalitis.

No case occurred during the year.

Gastro-Enteritis.

There was a decrease in the number of deaths from Gastro-Enteritis during the year, 3 compared with 9 in 1955.

Food Poisoning.

Nineteen cases of Food Poisoning were notified during the year. Organisms as shown in Table IIa.

Vaccination Against Smallpox.

	No. Vaccinated			
	Primary		Re-Vaccinations	
	1955	1956	1955	1956
Under 1 year	251	236	—	—
1 year	202	181	3	1
2—4 years	28	34	3	2
5—14 years	32	42	13	16
15 and over	70	78	152	198
	<hr/>	<hr/>	<hr/>	<hr/>
	583	571	171	217
	<hr/>	<hr/>	<hr/>	<hr/>

	1955	1956
Registered Live Births	3,085	3,243
Percentage of children under 1 year vaccinated in relation to registered births	8.13	7.29

Vaccinations were undertaken by members of the Health Department staff at a Central Clinic, whilst members of the public were also vaccinated free of charge by their family doctors.

Vaccination Against Poliomyelitis.

Under the Ministry of Health Scheme for vaccination against poliomyelitis, 2,080 children born between 1947 and 1954 (inclusive) were registered. The number of completed vaccinations which were carried out during the year was 233.

DIPHTHERIA IMMUNISATION.

The work of Diphtheria Immunisation carried out by the Public Health Department in the year 1956 is shown by the following figures:—

No. of children under 5 years of age immunised ...	1,329
No. of schoolchildren immunised	763
No. of reinforcing injections	1,048

The following are the percentages of the total number of children in the town who have been immunised in the two groups:—

Percentage of children under five years of age immunised	40.77%
Percentage of schoolchildren immunised	87.66%

Immunisation in Relation to Child Population.

Number of children at 31st December, 1956, who had completed a course of Immunisation at any time between 1st January, 1941, and 31st December, 1956.

Age at 31.12.55 i.e. Born in Year	Under 1 1955	1 to 4 1954-51	5 to 9 1950-46	10 to 14 1945-1	Under 15 Total
Last complete course of injections (whether primary or booster)					
A. 1951 - 1956	68	6094	11002	1750	28914
B. 1941 - 1951	—	—	1383	8398	10731
C. Estimated mid-year child population	3210	11890	26100		41100
Immunity Index	2.1%	51.24%	49.04%		70.33%

SCABIES.

The treatment of scabies and other verminous conditions continued during the year.

	1954	1955	1956
Adults	8	—	3
Pre-school children	—	1	3
Occupation Centre children	—	—	—
Total of patients	8	1	6
Total of treatments	20	4	18

TUBERCULOSIS REPORT.

We are indebted to Dr. B. Coutts, Senior Consultant Chest Physician to the Middlesbrough Group Hospitals and Tuberculosis After-Care Officer to the Middlesbrough Local Health Authority, for the following observations and statistics.

I have to report for 1956 that no very big changes occurred during this year. In many ways the position remained very much the same as in 1955 and the figures do not differ greatly. It is my impression that we are not seeing quite so many patients who have had disease for years before being diagnosed but that the great majority of new patients seen have had tuberculosis for only a short period before coming to the notice of the Chest Clinic. As a result treatment is very much easier and more likely to be successful.

New Cases.

New cases of tuberculosis were 202 in 1955 and 212 in 1956. Again it is true to say, as last year, that some of the new patients had very extensive disease at the time of diagnosis. The preponderance of men in the older age groups was again marked.

Deaths.

The number of deaths was 26 compared with a total of 27 in 1955. There was only one death in the population aged less than 25 compared with three in 1955. It is striking that of the 26 deaths 21 were males. Seven of the deaths were in patients aged over 65 and half of the total number of deaths occurred in people over 55 years of age.

Hospital Treatment.

Waiting lists for hospital treatment have now been abolished and we are in the position of being able to admit patients as soon as the diagnosis is made. Hospital admissions totalled 219 compared with 247 in 1955.

Preventive Work.

Preventive work is being maintained. Eighty-one babies under six weeks of age were given B.C.G. vaccination and of 363 children who were tuberculin negative, and over six weeks of age, 199 were also given vaccination. It will be seen that a considerable number of tuberculin negative children who were offered vaccination were not presented for this useful method of protection against tuberculosis. Rather less contacts were X-rayed in 1956 than in 1955 and the number of new cases diagnosed among the contacts continued to fall, being 45 in 1954, 35 in 1955, and 25 last year. The Mass Radiography Unit continues to X-ray very large numbers of the population of the town and 30 new cases were found by this means, which was exactly the same figure as in 1955. It is worthy of note that a large proportion of these cases were referred to the Unit by the general practitioners. A small number of new cases continues to be found among the groups X-rayed as a routine measure, including school leavers, National Service recruits and ante-natal patients.

Types of Cases.

Last year I commented that sputum positive cases outnumbered negative cases for the first time. This position has been reversed and we now find that, as in previous years, there are more sputum negative cases than sputum positive cases at the time of diagnosis.

Clinic Attendances.

The total attendances at the Clinic are increased. This is despite the fact that the numbers of patients coming for artificial pneumothorax refills have been very much reduced.

AGE AND SEX DISTRIBUTION OF DEATHS.

Age Groups	0-9	10-	15-	20-	25-	35-	45-	55-	65-	All Ages
Respiratory— Males	-	-	-	-	1	4	6	4	6	21
Females	1	-	-	-	-	1	-	1	1	4
Non-Respiratory— Males	-	-	-	-	-	-	-	1	-	1
Females	-	-	-	-	-	-	-	-	-	-
Totals	1	-	-	-	4	5	6	6	7	26

AGE AND SEX DISTRIBUTION OF NOTIFICATIONS.

Age Groups	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	All Ages
Respiratory—Males ..	-	-	4	5	3	3	10	10	19	15	17	8	2	96
.. —Females ..	1	3	1	4	7	5	15	14	10	5	2	3	-	70
Non-Respiratory—Males ..	-	-	-	-	-	1	1	1	-	1	1	-	-	5
.. —Females ..	-	-	2	1	1	2	1	1	-	-	-	-	-	8
Totals	1	3	7	10	11	11	27	26	29	21	20	11	2	179

N.B.—This total does not include 33 transfers in.

Source of Notifications:—					1956	1955
Chest Clinic	...	...	...	...	72	38
General Practitioner X-ray Scheme	...	...	...	...	1	3
Contacts	...	...	...	...	25	35
Mass Radiography	...	...	...	...	30	30
Ante-Natal	...	...	...	...	2	1
Registrar's Return	...	...	...	...	2	2
Transfers In	...	...	...	...	33	31
Other Hospitals	...	...	...	...	34	46
General Practitioners	...	...	...	...	4	6
H.M. Forces	...	...	...	...	5	10
					<hr/>	<hr/>
					213	202
					<hr/>	<hr/>

Middlesbrough Patients Admitted to Hospital During 1956:—

	Males	Females	Children
Hemlington Hospital	3	10	—
Poole Hospital	124	61	16
St. Cuthbert's Hospital, Croft	5	—	—
<hr/>			
	132	71	16
<hr/>			

Contacts.

	1956	1955
Babies under 6/52 given B.C.G.	81	73
Tuberculin Negative (over 6/52) old	363	362
Tuberculin Positive (over 6/52 old)	70	74
Total B.C.G. Vaccination (including babies under 6/52 old)	280	261
Contacts X-rayed	1,922	2,305
Contacts diagnosed as cases	25	35
Contacts under observation	72	74
<hr/>		<hr/>
	2,732	3,111
<hr/>		<hr/>

Types of Cases Found.

		Males and Females	Males	Females	Children
Sputum	A.1 (Minimal)	30	15	15	26
	A.2 (Moderate)	49	27	22	1
	A.3 (Advanced)	3	1	2	—
Negative		—82	—43	—39	—27
Sputum	B.1 (Minimal)	9	6	3	—
	B.2 (Moderate)	36	28	8	—
	B.3 (Advanced)	11	8	3	1
Positive		—56	—42	—14	— 1
Non-Respiratory		9	5	4	4
		— 9	— 5	— 4	— 4
		<hr/>	<hr/>	<hr/>	<hr/>
		147	90	57	32
		<hr/>	<hr/>	<hr/>	<hr/>

Clinic Attendances.

	1956	1955
Total Clinic Attendances (including refills) ...	12,412	10,854
New Patients	1,094	944
G.P. X-rays (New Patients X-rayed but not seen)	120	754

VENEREAL DISEASES.

We are indebted to the Consultant Venereologist, Middlesbrough General Hospital, for the following tables.

It will be seen from the figures below that there was a decrease during the year of 46 in the number of new cases attending the clinic: 569 for the year, as compared with 615 for 1955.

	Syphilis		Gonorrhœa		Other Conditions		Total		Grand Total
	M.	F.	M.	F.	M.	F.	M.	F.	
1955 ...	12	18	128	29	362	66	502	113	615
1956 ...	15	12	112	26	314	90	441	128	569
Middlesbrough cases ...							223		
Seamen ...							165		
Other cases ...							181		
							<hr/> 569		

Total Attendances in 1956 of all persons suffering from:—

	Syphilis		Gonorrhœa		Other Condition		Total		Grand Total
	M.	F.	M.	F.	M.	F.	M.	F.	
879	1,438	533	115	1,271	292	2,683	1,845	4,528	
Middlesbrough ...							2,571		
N. Riding of Yorks. ...							855		
Co. Durham ...							232		
Other Areas ...							870		
							<hr/> 4,528		

Congenital Syphilis—New Cases Classified in Age Groups.

			Under	1 and	5 and	15 and	Total
			1 year	under 5	under 15	over	
Male	...	...	—	—	1	—	1
Female	...	...	1	—	1	—	2
			<hr/> 1	<hr/> —	<hr/> 2	<hr/> —	<hr/> 3

Cases under Observation or Treatment on 31st December, 1956.

	Syphilis		Gonorrhœa		Other Conditions		Total		Grand Total
	M.	F.	M.	F.	M.	F.	M.	F.	
	71	92	23	11	19	7	113	110	223

During the year 39 children were seen, and of these 3 required treatment.

CONVALESCENT HOMES.

Under the provisions of the National Health Service Act, 1946, 76 patients were admitted to Convalescent Homes, as shown below:—

Yorkshire Foresters' Convalescent Home, Bridlington	...	17
Westwood Convalescent Home, Blackpool	... ..	14
N.E.C.F.S. Convalescent Home, Grange-over-Sands	... ..	3
Rockfield Convalescent Home, St. Annes-on-Sea	... ..	4
Convent of Our Lady of Lourdes, Grange-over-Sands	... ..	4
Proctor Memorial Home, Shotley Bridge	... ..	15
Seabright Convalescent Home, St. Annes-on-Sea	... ..	1
Milne Convalescent Home, Southport	... ..	2
Church Army Home, Southport	... ..	5
Private, Redcar	... ..	9
Private, Saltburn	... ..	2

LABORATORY SERVICES IN THE TEES-SIDE AREA.

We are indebted to Dr. Stanley Wray and Dr. R. Blowers for the following information on the Laboratory facilities available in the Tees-side Area.

Routine facilities provided by the Central Clinical Laboratory and the Medical Research Council's Public Health Laboratory continue to be utilised to the full by the general practitioners, hospitals and health departments of Tees-side and from further afield. Shortage of space is a serious problem but the willing efforts of laboratory and clerical staff, often in difficult circumstances, have enabled all demands to be met.

On the research side, this area can play a valuable part in the efforts that are being made to prevent poliomyelitis. The time has therefore come when material for virus investigation should be dealt with locally instead of being sent to laboratories in London and elsewhere. Steps are being taken to add these facilities to those already available in 1957.

SECTION D
OTHER SERVICES UNDER THE NATIONAL HEALTH
SERVICE AND NATIONAL ASSISTANCE ACTS.
MENTAL HEALTH SERVICE.

The administration of the Mental Health Service was reported in full detail in the Report for 1954 and remains unchanged, except that as reported in 1955 there had been a vacancy since June of that year in the post of Administrative Assistant Medical Officer of Health. This post has not yet been filled.

We have, as ever, been greatly helped by the Physician Superintendent of St. Luke's Hospital and the other physicians on the small panel of practitioners approved by the Authority for Certification.

The general practitioners, the police, the National Assistance Board and other Welfare Workers have drawn our attention to cases, and again we would thank them for their co-operation.

Mental Deficiency Acts.

Petitions by Medical Practitioners.

The following medical officers are approved for the purpose of giving certificates of mental defect to accompany petitions for orders, under the Mental Deficiency Acts.

Dr. Eric C. Downer, Medical Officer of Health.

Dr. R. Taylor, Deputy Medical Officer of Health.

Dr. J. Cahill, Senior School Medical Officer.

Dr. T. W. Hill, School Medical Officer.

Dr. T. M. Cuthbert, Physician-Superintendent of St. Luke's Hospital.

Dr. J. Russell, Deputy Physician-Superintendent of St. Luke's Hospital.

Dr. W. Webster, Senior Hospital Medical Officer of St. Luke's Hospital.

Dr. Reginald J. Belas.

Work undertaken in the Community.

(a) Section 28—National Health Service Act, 1946.

The after-care of mental health cases discharged from St. Luke's Hospital and notified to the Medical Officer of Health, continued to be undertaken by the Mental Health Workers on the Department's staff.

The number of such cases receiving after-care at the 31st December, 1956, was:—

Males	...	...	...	...	21
Females	...	...	...	...	24
				Total	45

The total number of visits paid was 94.

(b) The Lunacy and Mental Treatment Acts, 1890-1930.

The following cases have been admitted to St. Luke's Hospital by the Duly Authorised Officers, during the year:—

Voluntary	...	...	...	15
Temporary	...	...	...	23
Certified	...	...	...	41
Urgency Order	...	...	...	—
Section 20	...	...	...	142
Section 21	...	...	...	—
				221

In addition, 12 cases were examined under the provisions of Section 16, Lunacy Act, but not certified. Grand Total—233.

Ten cases were examined under the provisions of Section 5, Mental Treatment Acts, but not admitted.

One hundred and thirty-nine voluntary cases were admitted to St. Luke's Hospital by sources other than of Duly Authorised Officers, and 79 voluntary cases were accepted after being initially admitted by our Duly Authorised Officers under Section 20.

Ambulance Services were required on 221 occasions, private taxis on 17 occasions, police cars on 6 occasions and private cars on 8 occasions.

	Males	Females	Total
Epileptics	158	136	294

(c) Mental Deficiency Acts, 1913-1938.

The following table shows the disposal of Middlesbrough mental defective cases, in institutions:—

Prudhoe and Monkton Hospital	...	...	...	110
Aycliffe Hospital	...	...	...	95
Rampton State Institution	...	...	...	10
Lisieux Hall	...	...	...	2
St. Joseph's Home	...	...	...	1
Moss-side Institution	...	...	...	3
Etloe House	...	...	...	1
Royal Albert Institution	...	...	...	1
Field Heath House	...	...	...	1
Whittington Hall	...	...	...	2
Bishop Auckland Institution	...	...	...	1
Manor Hospital, Epsom	...	...	...	1
Howbeck House, Hartlepool	...	...	...	6
Northgate Hospital	...	...	...	—
Calderstone Hospital	...	...	...	1
Meanwood Hospital	...	...	...	1
Claypenny Colony	...	...	...	1
Westwood Hospital	...	...	...	1

238

The number of patients on licence at the end of the year was:—

Aycliffe Hospital	...	...	...	...	9
Prudhoe Hall Colony	...	...	...	...	1

The following cases were admitted during the year:—

					Aycliffe Hospital
Adult Males	...	...	...	...	5
Adult Females	...	...	...	...	4
Female Children	...	...	...	...	1
Male Children	...	...	...	...	3
				Total	13

Ascertainment, including number of Defectives awaiting vacancies in Institutions at the end of the year.

Ten cases (8 male and 2 female) were notified by the Local Education Authority under Section 57(3) of the Education Act, 1944.

Ten cases (7 male and 3 female) were notified under Section 57(5) and 15 cases (10 male and 5 female) were notified by other sources.

Of this number, 16 males and 9 females were placed under Statutory Supervision, 2 males were admitted to institutions, 7 males and one female were placed under voluntary supervision.

At 31st December, 1956, 56 cases (45 males and 11 females) were on the waiting lists for admission to institutions.

Guardianship and Supervision.

At the end of the year, 287 cases were under supervision, 158 males and 129 females. One case was under guardianship at the end of the year.

Temporary Accommodation—Ministry of Health Circular 5/52.

Seven cases received temporary care on 11 occasions.

Cases brought before the Court.

The Mental Health Workers attended Magistrate and Juvenile Courts on 27 occasions.

HOME NURSING SERVICE.

The Middlesbrough District Nursing Association continue to provide a Home Nursing Service on behalf of the Council. Four members of the Council sit on the Executive Committee of the Nursing Association, and the Medical Officer of Health attends its meetings.

The medical and other staff of the Health Department take part in the training of the district nurses, giving lectures and demonstrations.

At the beginning of the year there were 16 nurses employed whole-time and 9 nurses employed part-time working under the direction of the Superintendent, Miss I. G. Bulloch. Staff changes occurred during the year, and on the 31st December, 1956, there were 17 nurses employed whole-time and 10 nurses employed part-time. The Home is approved for training purposes.

Shown overleaf is a summary of the work of the Association based on the monthly reports submitted by it.

ANALYSIS OF CASES AND VISITS PAID.

	January		February		March		April		May		June		July		August		September		October		November		December		Total	
	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits
Medical ..	57	1664	69	1535	70	2011	55	1826	49	1881	52	1527	44	1468	45	1597	47	1305	53	1459	53	1572	52	1755	646	19600
Surgical ..	10	666	20	672	11	705	2	560	10	614	13	678	15	769	7	647	7	582	12	620	16	628	10	578	133	7719
Infectious Diseases ..	12	55	24	128	12	106	2	14	15	85	6	34	3	14	5	25	9	92	5	43	2	33	11	51	106	680
*Tuberculosis	25	1914	15	1817	17	2182	16	1989	22	2258	22	1974	25	1897	22	2010	24	2158	26	2487	18	2434	14	2364	246	25514
Maternal Complications ..	1	1	3	17	3	32	1	1	3	12	—	—	—	—	4	68	8	86	11	115	9	146	4	71	47	549
†Others ..	41	1826	57	1966	42	1952	38	1885	57	2165	45	2110	56	2166	39	2207	48	2127	44	2218	67	2268	80	2412	614	25302
Totals ..	146	6126	188	6135	155	6988	114	6275	156	7015	138	6323	143	6314	122	6584	143	6350	151	6942	165	7081	171	7231	1792	79364

PATIENTS AGED 70 YEARS AND OVER.

	Men	Women	Total
On Books, 1/1/56 ..	42	67	109
New Patients During Year ..	235	329	564
Remaining on Books, 31/12/56 ..	51	82	133

*Mainly injections

†Includes special injections: Cases 468: Visits 9462.

AMBULANCE SERVICE.

The number of patients carried by the Ambulance Service exceeded the previous year's number by 3,073. The year's total figure is the highest recorded for the Ambulance Service.

The vehicle strength of the service was 9 ambulances, 2 sitting case ambulances and 2 sitting case motor cars.

The Ambulance Service personnel comprised, 1 Ambulance Officer, 1 Clerk and Deputy, 21 Driver/Attendants, 2 Male Attendants, 3 female attendants, 2 male telephonists, 2 female telephonists, and 1 telephonist/attendant.

The following figures show the number of cases dealt with in 1953, 1954, 1955 and 1956.

1953	1954	1955	1956
37,138	42,890	47,297	50,370

1956	Journeys		TYPES OF PATIENTS CARRIED										CATEGORIES														MILEAGE				PETROL			OIL			
	Total Patients	Recumbent	Sitting	Carried in Ambulances	Carried in S/case Vehicles	Recumbent in Ambulances	Sitting in Ambulances	Recumbent in S/case Vehicles	Sitting in S/case Vehicles	Carried outside Borough boundary	Not Required and other Services	Street Accidents	Street Illnesses	Works Accidents	Home Accidents	Works Illnesses	Maternity	Obstetrical Services	Emergency Services	Mental	House Transfers	Hospital Transfers	Out Patients	Admissions	Discharges	West Lane Hospital Cases	M/ds Occupation Centre	Ambulances	S/case Vehicles	West Lane Hospital	Total	Ambulances	S/case Vehicles	Total	Ambulances	S/case Vehicles	Total
January ..	1363	4557	1096	3461	2834	1723	1080	1754	16	1707	304	162	54	17	42	8	8	77	12	23	11	186	2368	465	576	155	555	9139	5160	504	14803	778	294	1072	33	40	73
February	1351	4362	1128	3234	2703	1659	1117	1586	11	1648	301	162	63	24	54	20	9	52	3	18	8	178	2081	484	579	187	602	8301	5090	464	13855	742	302	1044	43	39	82
March ..	1328	4610	963	3647	2928	1682	957	1971	6	1676	238	137	55	19	40	15	16	75	12	14	8	229	2207	393	680	164	683	8345	5351	404	14100	722	284	1006	65	38	103
April ..	1263	4112	910	3202	2497	1615	903	1594	7	1608	274	132	79	26	37	12	10	64	5	26	5	212	2037	383	596	96	524	7919	5718	290	13927	640	300	940	53	20	73
May ..	1382	4374	928	3446	2735	1639	924	1811	4	1635	246	117	65	24	46	16	11	64	4	21	10	212	2142	422	671	132	534	9005	5797	446	15248	707	301	1008	62	46	108
June ..	1118	4121	919	3202	2385	1736	898	1487	21	1715	238	106	66	32	27	7	13	64	6	17	8	212	1906	329	624	103	707	7914	5135	373	13422	675	276	951	50	39	89
July ..	1201	4214	948	3266	2800	1414	923	1877	25	1389	220	93	82	32	52	9	14	60	4	10	7	211	2180	323	511	142	577	8780	5335	485	14600	698	260	958	56	12	68
August ..	1247	3188	994	2194	2403	785	982	1421	12	773	247	84	50	23	41	18	16	60	8	18	6	192	1806	398	415	137	—	8116	4391	404	12911	679	234	913	39	19	58
September	1290	4112	926	3186	2830	1282	910	1920	16	1266	350	71	56	27	45	17	5	54	2	18	6	216	2005	392	409	156	704	9664	4798	437	14899	776	253	1029	40	35	75
October ..	1386	4561	991	3570	2929	1632	973	1956	18	1614	265	86	63	17	42	7	9	71	4	20	10	203	2357	391	501	103	763	9059	5062	311	14432	754	280	1034	48	17	65
November	1360	4402	898	3504	2665	1737	886	1779	12	1725	376	84	56	28	43	17	9	54	5	18	7	222	2218	383	565	101	676	8800	6288	344	15432	715	349	1064	35	26	61
December	1323	3757	929	2828	2351	1406	915	1436	14	1392	278	94	59	22	47	15	11	69	8	18	8	177	1776	408	618	104	417	7872	5240	462	13574	721	306	1027	44	32	76
Total ..	15612	50370	11630	38740	32060	18310	11468	20592	162	18148	3337	1328	748	291	516	161	131	764	73	221	94	2450	25083	4771	6745	1580	6742	102914	63365	4924	171203	8607	3439	12046	568	363	931

(GALLONS) (PINTS)

DOMESTIC HELP SERVICE.

The Domestic Help Service has continued to supply help in maternity cases, cases of general illness, and in the homes of the chronic sick and infirm.

The service is very much appreciated by the users and many letters of thanks were received during the year.

The Home Helps are ordinary housewives who are selected for their qualities of character and many acts of kindness and sympathy are performed over and above their paid duties.

Enquiries for Domestic Help numbered 574 during the year, as compared with 510 in 1955, which shows that the service is continuing to increase yearly.

The majority of enquiries received are still from patients and relatives. The table below shows the various sources from which enquiries are received:—

	1956	1955	1954	1953
Patients and relatives ..	46%	46%	44%	53%
Doctors	10%	7%	10%	7%
National Assistance Board	17%	19%	12%	8%
District Nursing Assoc. ..	1%	1½%	2%	1%
Health Dept.	21%	20%	23%	25%
Hospitals	2%	1½%	3%	3%
Others	3%	5%	6%	3%

One hundred and twenty-six patients booked a Home Help for confinements, as compared with 110 in 1955 and 113 in 1954. Only 80 cases actually had the services of a Home Help. Forty-six cases were cancelled for various reasons, although the majority of cancellations do not notify us that the help is not required, but of those who did inform us the reasons were as follows:—

- 6 cancelled on account of charge.
- 11 made private arrangements.
- 3 were admitted to hospital.

Of the 30 cases covered:—

- 2 had full-time help for 3 weeks.
- 46 " " " " 2 weeks.
- 22 " " " " 1 week.
- 9 " half-time " " 2 weeks.
- 3 " " " " 1 week.

The following table shows the cases attended during 1956:—

	T.B. Cases	General Cases	Mater- nity Cases	Aged & Chronic Sick	Total	Total 1955	Total 1954	Total 1953
On books 1.1.56 ..	6	16	2	281	305	273	226	208
Cases commenced ..	10	79	78	230	397	360	394	391
Cases completed ..	9	72	77	213	371	328	347	373
	7	23	3	298	331	305	273	226

The number of Home Helps employed during the year was 66. Of these 26 were available full-time and 40 part-time.

One thousand two hundred and sixty-four visits were made by the Organiser during the year.

NURSING HOMES.

	No. of beds provided for			Total
	Homes	Maternity	Others	
Homes first registered during the year	—	—	—	—
Homes on the Register at the end of the year	4	8	49	57

DEATHS IN REGISTERED NURSING HOMES IN MIDDLESBROUGH DURING 1956.

0 - 65		65 - 75		75 - 85		85 & over	
M.	F.	M.	F.	M.	F.	M.	F.
1	4	6	3	4	12	1	16

Males 12

Females 35

Total 47

HEALTH OF CHILDREN.

Prevention of Break-up of Families.

It is not felt that there is a need here to set up a co-ordinating committee.

The officers in the various Departments concerned work in great harmony and we do not hesitate to turn cases over to each other when we feel that the case would be served better by the other department. We avoid a multiplicity of visitors to any house.

We are also on the most harmonious terms with the various voluntary agencies.

Further reference to "problem families" can be found on pages in the sections dealing with home visiting, and on the work of the Social Worker.

PUBLIC MORTUARY.

Four bodies were removed during the year to the mortuary which is in the Borough Engineer's yard, Commercial Street.

HEALTH EDUCATION.

One exhibition topic was supplied by the Central Council for Health Education during the year and was displayed at the Infant Welfare Centres. The Central Council for Health Education decided to terminate the topic exchange service as from the 24th June, 1956.

Frequent lectures are given by the Medical, Nursing and Sanitary inspectorial staff of the Health Department.

Home Accidents.

The local Home Accidents Committee meets monthly and is representative of many clubs and associations throughout the town who relay the information presented to them to their organisations.

All home accidents were returned to the Health Department by hospitals, the Chief Officer of the Fire Brigade, the Chief Constable and from other sources. These were carefully studied and reports analysing the causes with suggested means of prevention were laid before the Committee.

The Press was represented at the meetings and never failed to give prominent publicity on the rising statistics in accidents in the home.

The Medical Officer of Health was the honorary secretary until October when he relinquished the office. He still maintains liaison with the new honorary secretary and clerical and typing assistance is still given by the Department.

THE SOCIAL WORKER.

The work of the Social Worker has continued steadily throughout the year although most of the cases have been referred from inside the Health Department.

The main emphasis of the work continues to centre around the elderly.

Accommodation problems of young persons with children are still very pressing.

One hundred and three new cases have been referred during the year as follows:—

Medical Officer of Health	...	...	2
General Practitioners	...	...	8
Consultant Geriatrician	...	...	7
Superintendent Health Visitor	...	...	18
Duly Authorised Officers	...	...	5
Domestic Help Organiser	...	...	7
Supervisor of Midwives	...	...	26
Moral Welfare Association	...	...	1
Probation Officer	...	...	4
Community Council	...	...	7
Blind Visitors	...	...	1
Social Worker	...	...	12
Miscellaneous	...	...	5

Categories into which these cases have fallen, and the nature of help required can be divided as follows:—

Geriatric care and attention	...	...	33
Maternity and Child Welfare	...	...	25
Matrimonial	...	...	4
Social Investigation	...	...	1
General Help	...	...	14
Accommodation	...	...	21
Convalescence	...	...	4
Financial	...	...	1
Number of visits	...	...	563
Number of office interviews	...	...	210

NATIONAL ASSISTANCE ACT, 1948.

Care of Old People.

The remarks on the working of this service in the report for 1954 and the using of Section 47 of the Act are still valid.

Proceedings under Section 47 of the National Assistance Act were instituted in one case but did not reach the Court, as shortly before the hearing was due, the old man decided to go voluntarily to a Welfare Institution.

Care of the Blind and Partially Sighted.

The registration and visitation of blind persons is carried out by the Cleveland and South Durham Institute for the Blind, acting as the voluntary agency for the Local Authority.

On the 1st January, 1956, the Institute also took over the registration and visitation of partially sighted persons and the three home visitor/teachers were consequently seconded full-time to the agency.

Liaison between the medical officer and the home visitor/teachers was retained by the continuation of a weekly conference held at the Health Department every Tuesday morning when a full discussion of blind and partially sighted cases took place.

All cases referred for examination with a view to registration were visited by the home visitor/teachers and their reports submitted to the Medical Officer of Health before ophthalmologist examination is arranged. On receipt of the completed Form B.D.8., information is forwarded to the family practitioner who is advised to consult the ophthalmologist regarding any treatment recommended.

Blind Cases.

Thirty new cases were registered during 1956, giving a total of blind persons of 300 compared with 298 in 1954 and 289 in 1955.

Of the new cases registered 6 were due to cataract, 2 to glaucoma, 16 to other causes and six others had multiple ophthalmic defects. Treatment was recommended in 13 cases and on follow-up it was found that 7 had had the recommended treatment.

Partially Sighted Cases.

Twenty new cases were registered during the year and the total number on the register at the end of 1956 was 82, compared with 76 in the previous year. Ten cases were due to cataract, 2 cases to glaucoma, 6 to other causes and 2 to multiple defects.

In the nine cases where treatment was recommended, on follow-up it was found that two patients had had treatment.

Follow-up of Registered Blind Persons.

Number of cases registered during 1956 — 30.

Total number on Register at 31st December, 1956 — 300.

	Cause of Disability			
	Cataract	Glaucoma	Retrolental Fibroplasia	Others
(I) Number of cases registered during the year in respect of which Section F of Form B.D.8 recommends: (a) No treatment	1 aged 64 yrs. 1 „ 82 „	1 aged 74 yrs.		1 aged 52 yrs. 1 „ 59 „ 1 „ 71 „ 1 „ 72 „ 1 „ 73 „ 1 „ 79 „ 1 „ 83 „ 1 „ 84 „ 1 „ 85 „ 1 „ 86 „ 1 „ 46 „ 1 „ 4 „
(b) Treatment (medical, surgical, optical or hospital supervision)	1 aged 60 yrs. (surgical) 1 aged 65 yrs. (surgical) 1 aged 74 yrs. (surgical) 1 aged 76 yrs. (surgical)	1 aged 79 yrs. (hosp. supr.)		1 aged 51 yrs. (medical) 1 aged 63 yrs. (hosp. supr.) 1 aged 64 yrs. (medical) 1 aged 72 yrs. (hosp. supr.)
(II) Number of cases at I (b) above which on follow-up action have received treatment.	1 aged 65 yrs. (surgical) 1 aged 74 yrs. (surgical)	1 aged 79 yrs. (hosp. supr.)		1 aged 51 yrs. (medical) 1 aged 64 yrs. (medical) 1 aged 72 yrs. (hosp. supr.)

I (a) The following cases were registered during the year where there were multiple causes of disability and no treatment was recommended:—

- 1 aged 79 yrs. cataract and glaucoma
- 1 aged 91 yrs. senile cataract and macular degeneration

I (b) The undermentioned cases were registered during the year where the causes of disability were multiple and treatment was recommended.

- 1 aged 77 yrs. senile cataract and myopia (optical treatment received)
- 1 aged 79 yrs. senile macular degeneration and glaucoma (not had the recommended hospital supervision)
- 1 aged 84 yrs. optic atrophy and cataract (recommended surgical treatment not received).
- 1 aged 85 yrs. senile cataract and glaucoma (hospital supervision recommended—now deceased)

Follow-up of Registered Partially Sighted Cases.

Number of cases registered during 1956 — 20.

Total number on the Register at 31st December, 1956 — 82.

	Cause of Disability			
	Cataract	Glaucoma	Retrolental Fibroplasia	Others
(I) Number of cases registered during the year in respect of which Section F of Forms B.D.8 recommends:	1 aged 78 yrs. 1 " 81 " 1 " 85 " 1 " 86 " 1 " 91 "	1 aged 72 yrs.		1 aged 76 yrs. 1 " 79 " 1 " 81 " 1 " 87 " 1 " 71 "
(a) No treatment				
(b) Treatment (medical, surgical, optical or hospital supervision)	1 aged 68 yrs. (surgical) 1 aged 73 yrs. (hosp. supr.) 1 aged 74 yrs. (surgical) 1 aged 76 yrs. (surgical) 1 aged 81 yrs. (surgical)	1 aged 77 yrs. (hosp. supr.)		1 aged 56 yrs. (hosp. supr.)
(II) Number of cases at (I) (b) above which on follow-up action have received treatment.	1 aged 68 yrs. (surgical)			1 aged 56 yrs. (hosp. supr.)

(I) (b) The undermentioned cases were registered during the year where the causes of disability were multiple, and hospital supervision was recommended, but not received.

1 aged 80 yrs. Amblyopia and thrombosis retina

1 aged 84 yrs. Cataract and Iritis

SECTION E

SANITARY CIRCUMSTANCES IN THE AREA

WATER SUPPLY.

We are indebted to Mr. T. S. R. Winter, Engineer and General Manager of the Tees Valley Water Board, for the following report:—

The water supply to the area has been satisfactory in quality and quantity.

Bacteriological samples of the raw water are examined weekly and the water supply is examined as it leaves the works and at various points in the distribution system. Over 100 samples per month of the treated water were taken for bacteriological examination and the results showed the supply to be of satisfactory purity throughout the year. Summaries of analysis are enclosed for the treated water from the two supplies to Middlesbrough, the Lartington Gravitation Supply, and the River Tees Supply.

The treatment of the Lartington Gravitation Supply consists of slow sand filtration followed by treatment with ammonia and chlorine. The River Tees Supply is purified and decolourised by coagulation methods followed by rapid gravity filtration. Final sterilization with chlorine completes the treatment. Water left standing in open service reservoirs is rechlorinated before passing into supply.

The water is not liable to have any plumbo solvent action.

The number of houses supplied to 31st December, 1956, was 45,673.

LARTINGTON GRAVITATION SUPPLY.

Summary of Results 1st January—31st December, 1956.

Chemical Results expressed as parts per million.

	Average	Maximum	Minimum
pH	7.0	7.3	6.6
Colour (Hazen Units)	75	170	22
Total Solids	90	105	80
Free Carbon Dioxide	4	10	Trace
Chloride	7.5	10	5
Alkalinity	35	50	25
Total Hardness	50	70	45
Carbonate Hardness	35	50	25
Non-carbonate Hardness	15	25	10
Nitrogen in Nitrates	0.25	1.0	Nil
Nitrogen in Nitrites	0.01	0.036	Nil
Ammoniacal Nitrogen	0.065	0.300	Nil
Albuminoid Nitrogen	0.096	0.200	0.030
Oxygen absorbed in 3 hours at 37°C.	6.8	14.0	2.8
Iron	0.12	0.58	Nil
Turbidity	2	5	Nil
Conductivity	117	152	97

= less than.

Bacteriological Results.

Colony count per mil. on agar after 1 day at 37°C.	9	18	2
Colony count per ml. on agar after 2 days at 37°C.	11	27	4
Colony count per ml. on agar after 3 days at 20°C.	17	160	2
Percentage of samples giving a Presumptive Coliform reaction per 100ml. ... ..	...	...	3.6%
Percentage of samples giving B.Coli (Type I) in 100 ml. ...	...	...	1.5%

RIVER TEES SUPPLY, DARLINGTON.

Summary of Results 1st January—31st December, 1956.

Chemical Results expressed as parts per million.

	Average	Maximum	Minimum
pH	7.7	8.3	6.9
Colour (Hazen Units)	8	25	Nil
Total Solids	163	215	100
Free Carbon Dioxide	1	5	Nil
Chloride	11	16	6.5
Alkalinity	70	115	25
Total Hardness	120	170	65
Carbonate Hardness	70	115	25
Non-carbonate Hardness	50	70	30
Nitrogen in Nitrates	0.5	2.0	Nil
Nitrogen in Nitrites	0.001	0.01	Nil
Ammoniacal Nitrogen	0.019	0.130	Nil
Albuminoid Nitrogen	0.056	0.180	0.020
Oxygen absorbed in 3 hours at 37°C.	1.4	4.5	0.5
Iron	0.03	0.18	Nil
Turbidity	2	10	Nil
Conductivity	235	325	150

Bacteriological Results.

Colony count per ml. on agar after 1 day at 37°C.	3	12	Nil
Colony count per ml. on agar after 2 days at 37°C.	4	14	Nil
Colony count per ml. on agar after 3 days at 20°C.	10	70	Nil
Percentage of samples giving a Presumptive Coliform reaction per 100 ml.	...	...	0.8%
Percentage of samples giving B.Coli (Type 1) in 100 ml.	...	...	Nil

PUBLIC BATHS.

We are obliged to Mr. Sidney Fisher, the Baths Superintendent for the following information:—

The returns for the Central Baths and the Branch Slipper Baths for the year 1956 from January to December inclusive, are as follows:—

No. 1 Swimming Pool	...	...	...	...	...	75,938
No. 2 Swimming Pool	...	...	...	...	...	43,219
Gents' Slipper Baths	...	...	...	...	...	50,986
Ladies' Slipper Baths	...	...	...	...	...	13,489
Forces ...	...	...	...	...	...	1,043
Turkish	...	...	...	...	...	6,994
Russian Baths	...	...	...	...	...	1,806
Radiant Heat Baths	...	...	...	...	...	573
Brine Baths	...	...	...	...	...	1,724
Zoto Foam Baths	...	...	...	...	...	103
Seaweed Baths	...	...	...	...	...	53
Schoolchildren	...	...	...	...	...	75,454
Cannon Street Baths	...	...	...	...	...	20,799
Dacre Street Baths	...	...	...	...	...	20,824
					Grand Total	... 313,005

Five Life-Saving competitions have been held in the baths for the perpetual trophies to be competed for, also numerous awards have been gained by schools and classes in the town, and different areas of the North and East Yorks. Branch.

Members of the Police Force are taking a very keen interest in swimming and life-saving and many fine events have taken place in the town and district, thanks to Mr. R. Davison, the Chief Constable of Middlesbrough, also Inspector L. Sample, Secretary of the North and East Yorks. Branch, and other officers of the Force.

The Middlesbrough Baths possess a most up-to-date filtration plant which copes with the thousands of bathers in a year and keeps the water in tip-top condition. The plant consists of five filters 8 ft. in diameter and 10 ft. in height. They are of the pressure type and each filter contains 10 tons of graded quartz sand. The water is carried to the filter beds by two electric centrifugal pumps and after leaving the filters passes through two steam calorifiers to be heated to the desired temperature, and continues on its journey through an aerator which keeps it in a pure sparkling condition. On the last stage of its journey, the water passes through a modern chlorinator where it is treated with liquid chlorine, sufficiently to keep it chemically and bacteriologically pure and even fit for drinking. Frequent tests are made by the Chief Public Health Inspector and the results recorded have indicated that the swimming bath water complies with the standard recommended by the Ministry of Health.

The boiler plant in the baths is very efficient indeed. Two Lancashire boilers 24 ft. by 7 ft. 6 in. are installed inside the building and these are worked alternately, three months for each boiler. A new system of under-feed stoking has been installed which not only saves fuel but eliminates smoke. There is also a 96 tube economiser attached to the boilers which superheats the boiler feed water, this is also fuel saving.

A modern laundry is also installed in the baths, and many thousands of towels are washed in a week, every towel going through a sterilising process, along with slight bleaching, the result being a pure white towel which is very much appreciated by the public. There are two washing machines, two hydro-extractors, one callender ironing machine and one large drying cupboard. All machines are electrically-driven and independent of each other.

There are 37 slipper baths installed in the building for men and women. These are used every day to their full capacity.

The remedial baths are well patronised and the various baths are recommended for obesity, rheumatism and allied disorders. A masseur and masseuse is always in attendance for men and women respectively.

SEWERS AND DRAINS.

We are indebted to the Borough Engineer and Surveyor for the following information:—

The lengths of drains and sewers laid during the year were:—

		Sewers	Drains	Total
		lin. yds.	lin. yds.	lin. yds.
By Local Authority	... ..	8,709	14,770	23,479
By Private Enterprise	... ..	603	3,570	4,173
		<hr/>	<hr/>	<hr/>
Totals	... ..	9,312	18,340	27,652
		<hr/>	<hr/>	<hr/>

I am indebted to Mr. H. Whitfield, Chief Public Health Inspector for the following sections:—

THE SANITARY AND BATHS COMMITTEE,

Appointed May, 1956

Chairman: Alderman J. G. Boothby

His Worship the Mayor (Alderman F. Manton, J.P.)

Alderman W. Flynn	Councillor R. H. Huggins
Alderman J. Slater	Councillor M. C. Newton
Alderman L. Taylor	Councillor N. Peters
Alderman E. Whatley, M.B.E.	Councillor R. I. Smith
Councillor J. N. Bennington	Councillor W. J. Story
Councillor J. A. Brown, J.P.	Councillor L. Thirkell
Councillor A. T. Crosby	Councillor G. R. Thompson
Councillor W. Grosvenor	Councillor J. Wilson

STAFF.

Chief Public Health Inspector:—

Henry Whitfield, MEM. R.S.H., MEM. P.H.I.A.

Deputy Chief Public Health Inspector:—

Thomas E. Peterson, MEM. R.S.H., MEM. P.H.I.A.

Public Health Inspectors:—

- G. Allen (To 4.8.56)
- ** A. Chisholm
- * D. B. Coull
- ** G. Elliott
- ** L. A. Harrison
- ** L. Himsforth
- F. Holloway
- ** F. Nickson (To 26.12.56)
- ** A. Riley (To 30.6.56)
- ** G. A. Richards (To 31.3.56)
- ** G. Stewart

Pupil Public Health Inspectors:—

D. Anderson	M. D. Nayman
E. W. Kelley	D. H. Thompson

Shops Inspector:—

R. G. Thompson

Rodent Officer:—

G. W. Tyreman

Chief Clerk:—

P. E. Taggart

Clerks:—

D. E. Jones (To 31.12.56)
 A. W. Burns (From 1.6.56)
 J. H. Evans (To 21.4.56)
 G. T. Hodgson (To 31.12.56)
 J. W. Kitley (To 31.12.56)
 C. R. C. Storey (To 31.12.56)

Shorthand Typists:—

K. M. Milner
 E. G. Proudfoot
 P. R. Basham

- ** Meat Certificate of R.S.H.
- * Meat Certificate (Scotland)

Staff.

At the end of 1954, the inspectoral staff was 5 short of establishment (i.e., one per 10,000 population). The Council decided to advertise vacant posts on Grades I to III for Inspectors with statutory qualifications only, and Grades II to IV for Inspectors with food inspection duties and with the appropriate qualification; with the result that 5 Inspectors were appointed. By the end of 1956, however, the establishment was 6 deficient. Four resignations were from Inspectors receiving the lower grade of salary.

Notwithstanding the work previously done under the Food and Drugs Act, 1938, in having hot and cold water supplied to practically all food premises, the advent of the Food Hygiene Regulations made it imperative that a thorough inspection of all food premises be carried out. It is with pleasure I record my thanks to the Inspectors employed on this duty, together with my Deputy, for the excellent work in this task. The food traders are also to be complimented on their willing co-operation in the provision of the necessary equipment. Whilst the survey was completed, it will obviously take time for the regulations to be fully implemented at all premises. Staff shortage means, however, that some inspectorial work has suffered: in the main this involves housing inspections with regard to disrepair.

Consequent upon the decision of the Council to form a Cleansing Department to co-ordinate the work previously undertaken by the Borough Engineer (Street cleansing, gully emptying, road gritting and snow removal), and that supervised by the Chief Public Health Inspector (refuse collection and disposal, and public conveniences), it was decided to transfer two male clerks from this Department (Messrs. D. E. Jones and G. T. Hodgson), whose work comprised duties under the subjects relinquished. To Mr. Jones, grateful thanks are given for the excellent services rendered since his employment in January, 1939.

PUBLIC CLEANSING.

HOUSEHOLD AND TRADE REFUSE.

Collection.

The collection of household refuse is made by 28 motor collection vehicles.

No charge is made for the collection of any trade refuse that has a commercial value, such as paper, tins, rags, etc.

Disposal.

During the year 37,996 tons of refuse were disposed of as under, compared with 37,643 tons during the previous year:—

Method of Disposal	Tonnage	Percentage
Separation and Incineration	35,811	94.25
Food Waste Concentrator	897	2.36
Controlled Tipping	1,171	3.08
Organic Plant	117	0.31
Total	37,996	100.00%

Of the 897 tons of Kitchen Waste treated in the Food Waste Concentrator, 259 tons were purchased from other Local Authorities, etc.

The following table shows the amount of refuse disposed of during the last five years:—

Year	Tonnage
1952	35,680
1953	36,467
1954	37,925
1955	37,643
1956	37,996

The constituents of the refuse at the Refuse Disposal Works after separation were as follows:—

	Tons	Percentage
Dust	10,947	30.57
Cinders	2,441	6.82
Metals	664	1.86
Rags	7	0.02
Bottles	5	0.01
Paper	775	2.16
Miscellaneous	8	0.02
Balance to fires	20,964	58.54
Total	35,811	100.00%

The amount and value of materials recovered, including Organic Salvage, were as follows:—

	Weight				Value		
	Tons	Cwts.	Qrs.	Lbs.	£	s.	d.
Waste Paper	1,015	2	3	—	8,384	4	6
Ferrous Metals:—							
“Black” Scrap	69	7	2	—	216	4	3
“Destructor” Scrap	1,466	8	2	—	10,570	12	1
Non-Ferrous Metals:—							
Aluminium Scrap	1	18	1	—	241	6	3
Copper Scrap	—	2	3	—	16	10	0
Brass Scrap	—	8	2	—	34	0	0
Lead Scrap	—	3	2	—	14	0	0
Textiles	9	8	3	—	53	8	3
Cinder Fuel	1,507	5	—	—	764	12	6
Stable Manure	84	10	—	—	22	16	0
Bottles, Jars, etc. ...	1	3	—	—	10	13	0
Concentrated Kitchen Waste	474	7	—	—	3,753	3	2
Fish Meal	23	2	—	—	970	4	0
Rubber Scrap	5	10	—	—	26	17	0
Miscellaneous	—	3	—	—	3	12	0
Total	4,659	—	2	—	£25,082	3	0

The value of materials recovered, £25,082 3s. 0d. shows an increase of £5,502 2s. 5d. compared with the total for the previous year.

The following table shows the amount and value of materials recovered during the last 5 years:—

Year	Weight				Value		
	Tons	Cwts.	Qrs.	Lbs.	£	s.	d.
1952	3,198	11	1	14	21,070	16	10
1953	3,366	5	3	16	17,782	7	1
1954	3,752	17	3	—	17,310	0	2
1955	3,957	10	2	—	19,580	0	7
1956	4,659	—	2	—	25,082	3	0

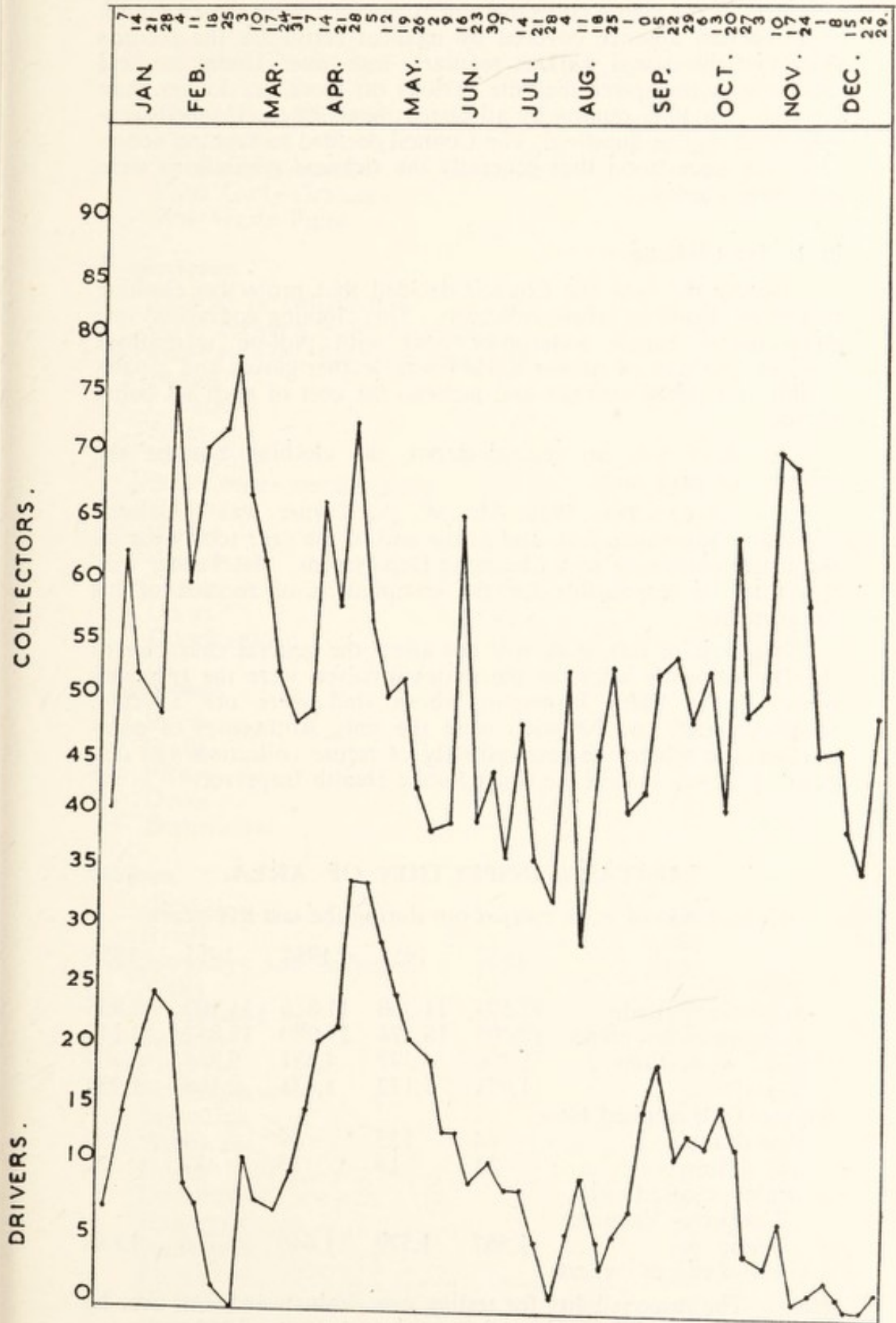
Since 1939, the value of materials recovered as salvage is £251,094 0s. 3d.

The cost of collection and disposal for the past five years from the figures in the Estimates supplied by the Borough Treasurer are as follows:—

Year	Collection		Disposal	
	Total Cost	Cost Per Ton	Total Cost	Cost Per Ton
1952	£55,115	31s. 11d.	£10,155	5s. 8d.
1953	£55,087	31s. 4d.	£13,770	7s. 7d.
1954	£59,416	32s. 6d.	£17,666	9s. 4d.
1955	£69,015	37s. 11d.	£20,530	10s. 11d.
1956	£78,805	43s. 1d.	£19,657	10s. 4d.

The graph of absences show that 2,719 days were lost by loaders and 616 days by drivers.

REFUSE COLLECTION
ABSENCES - 1956.



40% of the refuse collectors are 'Casuals.' With the exception of authorised absence covered by medical certificate the records show that the casual workers regularly lose time. Under medical certificate it transpires that the periods off work are longer than formerly. In 1956 reports by all Departments of the Council were submitted on this question. The Council decided to take no action as it was understood that generally the sickness regulations were not being abused.

Protective Clothing.

During the year the Council decided that protective clothing should be issued to refuse collectors. This clothing comprised one three-quarter length waterproof coat with pull-on waterproof trousers, one pair of rubber ankle boots, leather gloves and 2 pairs of Bib and Brace overalls and jackets; the cost of each set being £8 10s.

As there was no central depot, the clothing became the property of each man.

On 1st October, 1956, Mr. W. A. Turner was appointed Cleansing Superintendent, and at the end of the year took over all the duties pertaining to a Cleansing Department. Mr. Turner will, therefore, be responsible for the compilation of records of his department.

The loss of this work will not affect the general character of the Department's work, as the duties involved were the responsibility of the Chief Inspector, whose staff were not affected. Middlesbrough and Norwich were the only Authorities of comparable size where the responsibility of refuse collection and disposal, etc., was that of the Chief Public Health Inspector.

SANITARY INSPECTION OF AREA.

Description of work carried out during the last five years:—

	1952	1953	1954	1955	1956
Number of:—					
Inspections made ...	12,503	11,350	11,816	11,103	8,855
Re-inspections made	17,005	16,274	17,980	18,882	14,145
Food inspections ...	5,306	4,592	4,081	5,868	6,307
Interviews ...	1,051	1,172	1,431	2,108	1,927
Smoke Tests applied to:—					
New drains ...	84	135	29	4	—
Old drains ...	31	14	10	37	27
Drains cleared with Cooper's Vacuum Pump ...	1,567	1,579	1,640	1,726	1,688
(Free of cost to owners)					

Note.—The responsibility for testing new drains was taken over by the Borough Engineer's Department during 1954.

Drainage.

					1956	
					Notices Served.	Nuisances Abated.
Choked or defective	...	...	...	...	334	334
Yard gullies	...	...	...	...	40	34
Yard Gully-covers	...	...	...	...	9	9
Yard Gully-Gratings	...	...	...	...	8	7
Sink Waste Pipes	...	...	...	...	112	84

Waterclosets.

Choked or defective	...	...	...	...	118	118
Joint between basin and drain	...	...	...	...	15	12
Joint between flushpipe and basin	...	...	...	...	40	32
Basins	...	...	...	...	207	169
Cisterns	...	...	...	...	358	308
Seats	...	...	...	...	168	120
Flushpipes	...	...	...	...	4	4
Burst water service pipes	...	...	...	...	778	712
Roofs	...	...	...	...	244	170
Walls	...	...	...	...	97	64
Wallplaster	...	...	...	...	137	81
Floors	...	...	...	...	11	6
Doors	...	...	...	...	174	115
Doorframes	...	...	...	...	77	57

Coalhouses.

Roofs	...	...	...	...	87	61
Walls	...	...	...	...	40	25
Floors	...	...	...	...	2	2
Doors	...	...	...	...	133	86
Doorframes	...	...	...	...	52	36

Houses.

Chimneys	...	...	...	...	130	95
Roofs	...	...	...	...	1,083	794
Spoutings and fallpipes	...	...	...	...	1,150	822
Walls	...	...	...	...	384	199
Wallplaster	...	...	...	...	430	325
Ceilings	...	...	...	...	187	129
Floors	...	...	...	...	157	100
Skirting boards	...	...	...	...	28	17
Sashcords	...	...	...	...	274	193
Windows	...	...	...	...	341	207
Doors	...	...	...	...	239	168
Doorframes	...	...	...	...	35	23
Handrails	...	...	...	...	29	21
Stairtreads	...	...	...	...	33	22
Fireplaces	...	...	...	...	48	32
Fireranges	...	...	...	...	41	29
Ovens	...	...	...	...	—	—

Flues	36	19
Set-pot Boilers	6	5
Gas Washing Boilers	21	12
Absence of washing accommodation	4	3
Burst water service pipes	112	107
Sinkstones	54	44
Absence of water supply	4	3
Yard Walls	170	117
Yard Doors	211	155
Yard Doorframes	75	57
Yard Surfaces	108	66
Back Passage Surface	1	1
Dustbins	800	670
Accumulation of Refuse	2	2
Miscellaneous works not classified	257	159
Summary: Notices served	4,941	to cover
	9,695	nuisances
Nuisances abated	7,242	

Summary of Nuisances abated during the last 5 years.

	1952	1953	1954	1955	1956
Notices Served	6,600	5,675	6,284	6,572	4,941
Concerning Nuisances	12,025	9,673	13,169	11,785	9,695
Nuisances Abated	8,198	6,801	9,220	9,121	7,242

In several cases owners have not complied with Abatement Notices served, and in order to enforce items which cannot be termed "Health Nuisances" recourse to the Housing Act procedure has followed.

(See Section F—Housing.)

The attention of the Borough Engineer has been called to the following defects:—

Apparently dangerous structures	3
Miscellaneous	81

Infectious Diseases.

During the year 414 houses have been inspected, incurring 134 re-inspections, compared with 736 inspections and 137 re-inspections last year, owing to cases of Infectious Diseases (including Tuberculosis) and reports thereon have been made.

The number of inhabited rooms disinfected owing to cases of Infectious Diseases was 300 as compared with 368 last year.

Offensive Trades.

Number on Register	19
Tripe Boiling	4
Fat Melting	3
Blood Drying	2
Fat Extracting	3
Hide and Skin Dealers	1
Rag and Bone Dealers	5
Gut Scraping	1
Number of Inspections	28

The whole of the Offensive Trades on the Register have been conducted satisfactorily, and in no instance where any minor alteration or improvement has been suggested has there been anything but ready response to carry out the same.

Prevention of Damage by Pests Act, 1949.

A whole-time Rodent Officer with an assistant carry out the duties required by the above Act, and the following tables show the results of their labours during the last 5 years.

Year	Official Rodent Officers			Rat Clubs			
	Visits	Baits Laid	Rats Killed	Mice Killed	Visits	Rats Killed	Mice Killed
1952	2,551	547	1,552	1,451	197	1,607	—
1953	2,231	586	1,380	985	211	1,788	—
1954	2,947	724	1,530	879	209	2,064	—
1955	2,763	1,089	1,301	265	164	1,782	—
1956	2,335	1,006	1,059	10	146	1,238	—

Eradication of rats and mice at dwelling houses is executed free of charge. Business premises are charged with the cost of the work.

The good work executed by the Rodent Officer and his assistant has had the effect of reducing major infestations. It cannot be expected that the town will ultimately be free of rats and mice. The public have been made more conscious of the problem in recent years, and have co-operated in giving immediate notification whenever rats or mice have been seen. The realisation that no charge is made to tenants for the work involved, is an undoubted asset.

Sanitary Condition of Theatres and Music Halls.

There are 13 places of public entertainment within the Borough, 12 Cinemas and 1 Music Hall.

The Public Health Act empowers local authorities to inspect the sanitary condition of Cinemas, Music Halls, etc., and 20 visits were paid during the year, resulting in a good standard of cleanliness being maintained.

Hairdressers.

Section 286 of the Middlesbrough Corporation Act, 1933, makes it compulsory for all hairdressers and barbers to be registered with the Local Authority.

Number on Register	...	...	...	...	...	119
Number of Inspections made	...	...	...	...	...	79
Number of letters sent re minor contraventions, alterations to premises, etc.	...	...	...	...	...	9

In all cases where a new business has been established, wash-hand basins with properly trapped waste discharge pipes to external gully have been provided, together with an adequate hot water supply, and also approved containers for waste material, including hair.

Shops within the Borough.

Bakers and Confectioners	...	...	...	...	78
Boot and Shoe Dealers	...	...	...	...	32
Boot and Shoe Repairers	...	...	...	...	45
Butchers	...	...	...	...	136
Cars and Garages	...	...	...	...	48
Coal Dealers	...	...	...	...	48
Cycles	...	...	...	...	25
Chemists	...	...	...	...	44
Dairies	...	...	...	...	10
Departmental Stores	...	...	...	...	17
Drapers	...	...	...	...	71
Entertainments	...	...	...	...	13
Fish Friers	...	...	...	...	110
Fishmongers	...	...	...	...	30
Fruiterers	...	...	...	...	99
Furniture	...	...	...	...	43
General	...	...	...	...	358
Glass and Fancy Goods	...	...	...	...	11
Grocers	...	...	...	...	194
Hairdressers (Ladies)	...	...	...	...	67
Hairdressers (Gents)	...	...	...	...	52
Ironmongers	...	...	...	...	48
Jewellers	...	...	...	...	23
Newsagents and Tobacconists	...	...	...	...	103
Outfitters (Ladies)	...	...	...	...	34
Outfitters (Gents)	...	...	...	...	22
Paints and Paper	...	...	...	...	31
Radio and Electrical	...	...	...	...	45
Restaurants (including Ice-cream Saloons)	...	...	...	...	62
Sweets	...	...	...	...	79
Soft Furnishings	...	...	...	...	19

Sports Outfitters	4
Tailors	37
Wholesale Dealers	86
Miscellaneous	63
Total	2,187
Number of Visits	2,386
Number of Patrols	19
Shops Opened	92
Shops Closed down	109

Additional Sanitary and Washing Accommodation has been provided in 21 instances.

Retail Stalls.

	No. Stalls	No. Days Open
(a) Street Traders	55	6
(b) Open-air Markets	140	2

Merchandise Marks Act, 1926.

During visits to Food Premises it was noticed that numerous traders were not carrying out their obligations under this Act—this also applied to Market Stalls. As a result traders were given extracts of the Act. Market Stallholders often plead forgetfulness but it has been pointed out that such an excuse is no defence. Imported tomatoes are sometimes marked as "Hot House." "Barrow Boys," although warned of the implications of the Act did not always conform, with the result that prosecutions ensued.

Inspections and notifications of non-observance to offenders has meant an improvement in labelling of all imported foodstuffs.

During the year, 200 visits were paid under the Act.

Camping Sites.

There are no camping sites, as such, in Middlesbrough.

Verminous Premises.

Number of Inspections	479
Number of Premises defested by the Department	234
Warning letters sent to tenants	47
Warning letters sent to owners	16
Reports to Medical Officer of Health	9
Reports to Housing Department	3
Other Letters sent	7

Houses Defested by Department.

Bed Bugs	...	...	...	Dwellinghouses	...	65
				Other premises	...	2
Cockroaches	...	...	...	Dwellinghouses	...	97
				Other premises	...	41
Fleas	...	...	...	Dwellinghouses	...	9
				Other premises	...	—
Miscellaneous	...	...	...	Dwellinghouses	...	12
				Other premises	...	8

The defestation of Corporation owned property is carried out by the Housing Department.

Factories Act, 1937.

There are 454 Factories on the Register, as follows:—

					With Mechanical Power	Without Mechanical Power
Bakehouses	...	...	...	...	36	6
Joiners and Undertakers	...	...	...	...	41	2
Printers	...	...	...	...	12	—
Motor Engineers	...	...	...	...	48	2
Boot Repairs	...	...	...	...	13	—
Tailoring, etc	...	...	...	...	16	2
Mantle Alterations, etc.	...	...	...	...	9	11
Upholstery	...	...	...	...	11	3
Cabinet Makers	...	...	...	...	5	—
General Engineering	...	...	...	...	57	6
Electrical Engineering	...	...	...	...	14	1
Sugar Boiling	...	...	...	...	3	1
Laundries	...	...	...	...	10	—
Monumental Masons	...	...	...	...	2	—
Miscellaneous	...	...	...	...	126	17
				Totals	403	51

Number of Inspections (including works of Building and Engineering Construction) ... 684

On the whole, the Factories and other premises were found to be in a satisfactory condition and no legal proceedings were instituted.

The following is a summary of the work carried out during the year:—

Notices Received from Her Majesty's Inspector of Factories:—

Removed from Register	...	...	...	22
Change of Business	...	...	...	2
New Premises	...	...	...	17
Sanitary Defects, etc.	...	...	...	9
Notices Served Under the Act	...	...	...	45
(Concerning the following Defects.)				
General Cleanliness	...	...	...	30
Overcrowding	...	...	...	—
Drainage of Floors	...	...	...	1
Inadequate ventilation	...	...	...	1
Sanitary Conveniences:—				
(a) Insufficient	...	...	...	—
(b) Unsuitable or defective	...	...	...	11
(c) Inadequate ventilation	...	...	...	1
(d) Not separate for sexes	...	...	...	—
(e) Cleanliness	...	...	...	5
General Defects	...	...	...	11
Miscellaneous	...	...	...	33

The whole of the nuisances were remedied with the exception of 9 items.

The responsibility for issuing Fire Certificates is that of the Fire Brigade. Certificates were issued as follows:—

New	...	...	...	...	6
Amended	...	...	...	...	3

Home Work (Sections 110 and 111):—

Ten Lists of Out-workers (or Home-workers) were received in the first half of the year and 13 for the second half.

Number of Lists of Out-Workers received	...	23
Number of Employers	...	13
Number of Out-workers' premises inspected	...	7
Number of Out-workers—1st half of year	...	25
Number of Out-workers—2nd half of year	...	27

Rag Flock and Other Filling Materials Act, 1951.

Number of Premises Registered	9
Number discontinued during year	—
Number Registered during year	—
Number of samples taken	20
Number Official	—
Number Unofficial	20
Number Conforming to Standard	20
Number Not Conforming to Standard	—

Fertilisers and Feeding Stuffs Act, 1926.

Number of Samples taken	13
Number Official	3
Number Unofficial	10
Number Conforming to Declaration	8
Number Not Conforming to Declaration	5

Five samples failed to comply with the provisions of the Act, being 3 Unofficial and 2 Official samples, as follows:—

BONE MEAL.—An Unofficial sample was found to differ by more than the limits of variation permitted. When this was followed up with an Official sample it was found to conform to the declaration. No further action could therefore be taken.

FERTILISERS.—Two Unofficial samples of Fertiliser were procured from one dealer. These did not conform within the limits of variation permitted, to the declaration. Official "Follow-up" samples were then procured, and these also similarly failed to conform. Consequently, the matter was reported to the Ministry of Agriculture, Fisheries and Food, who instructed as follows:—

In one case samples had been taken at the manufacturer's premises and found to be grossly excessive in potash content. This had been put in deliberately to increase the quality of the product, and the statutory statement had not been amended. The provisions of the Act had been explained to them, and it was expected that the correct particulars would be given in future. The retailer was instructed to amend the statutory particulars on the remaining stock.

In the other case the Ministry reported being of the opinion that some of the soluble Phosphoric Acid had reverted to insoluble because the stock was old. The matter had therefore to be taken up with the suppliers, and this was done. The local shopkeeper was instructed to amend the statutory declaration on the remaining stock.

Pharmacy and Poisons Act, 1933.**Poisons Rules, 1935.**

Ninety-two Premises with the persons nominated to sell poisons under the above rules are now registered.

Upon registration, each person nominated was informed by letter of the need for separation of the commodity from foodstuffs, and where this was impossible, to store same upon the floor of the shop.

An inspection was made at each of the premises during the year.

Pet Animals Act, 1951.

During the year, 9 premises were licensed, as follows:—

Birds, Fishes, Dogs and other animals	...	...	...	5
Dogs and other animals	...	...	...	1
Tropical Fishes	...	...	...	2
Birds, Fishes, Dogs and other animals	...	...	...	1

(Market Stall.)

Smoke, Grit and Fume Nuisances.

In the reports of 1954 and 1955 mention was made of a deputation from the Sanitary and Baths Committee to an Iron and Steel Works. At the interview the firm expressed their willingness to do all in their power to reduce emissions. From observations and the record of deposits in the gauge adjoining the works it is obvious that there is no improvement. Whilst the exemption clause of the Public Health Act remains as at present drafted there is nothing a Local Authority can do to enforce adequate measures being adopted. The proposals of the Clean Air Act do nothing to assist, as Section 109, Public Health Act, 1936, is not repealed.

In order to assess the amount of soot and dust deposited on the town, ten deposit gauges are installed and sited at strategic points—six in the industrial belt along the north side of the town, and four in the non-industrial zones. The following tables give the findings:—

MONTH	STOCKTON ROAD					GAS WORKS, CANNON STREET					ELECTRICITY WORKS, SNOWDON ROAD				
	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.
January	2.15	5.6	5.17	10.61	17.96	7.64	5.3	13.51	19.70	33.81	2.43	5.4	16.09	21.55	37.64
February	1.69	5.3	12.34	27.96	41.84	7.44	5.3	13.54	19.70	33.81	2.25	5.4	23.60	24.24	41.84
March	0.40	5.3	11.84	10.91	22.75	0.41	5.2	9.36	10.06	19.42	0.35	5.3	11.30	6.80	18.10
April	0.60	5.3	13.58	13.01	26.59	0.82	5.3	14.73	12.94	17.97	0.67	5.4	15.92	1.21	23.03
May	3.10	5.5	18.75	16.08	34.83	3.59	5.8	15.60	10.51	26.11	3.21	5.6	17.36	13.84	31.20
June	0.91	5.4	13.61	12.28	25.89	1.04	5.4	6.57	9.46	16.03	0.96	5.6	9.41	1.13	17.44
July	1.40	5.9	11.51	13.54	25.05	1.43	5.7	8.76	13.94	22.76	1.70	5.7	16.02	20.30	36.32
August	0.85	5.4	11.88	7.00	18.88	1.00	5.4	8.20	6.64	14.84	0.92	5.6	14.11	12.64	26.78
September	1.29	5.5	15.20	6.14	11.34	0.88	5.5	12.58	11.35	23.93	1.30	5.6	7.27	10.06	17.33
October	1.21	5.30	12.94	10.51	21.65	1.69	5.44	11.73	11.36	21.09	1.58	5.60	15.09	13.16	28.24
November	1.83	4.97	13.36	5.67	19.03	1.96	5.48	11.91	8.99	20.90	1.85	5.97	17.56	9.99	27.55
December	1.30	5.27	13.31	6.06	19.37	1.50	5.48	12.92	8.86	21.78	1.33	5.44	13.87	13.71	27.99
Average 1955	1.48	5.20	17.55	8.13	23.68	1.72	5.78	16.11	11.31	23.42	1.30	5.40	13.72	13.71	27.99
Average over 5 years	1.46	5.25	15.01	8.03	23.04	1.64	5.53	13.30	10.34	23.64	1.53	5.42	16.73	13.27	30.00

MONTH	HARBOUR MASTERS YARD, DOCKS					ALLOTMENT, SOUTH BANK ROAD					MILLBROOK AVENUE, B.F. EST.				
	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.
January	1.80	4.0	13.94	15.34	29.78	2.64	5.5	14.17	23.37	37.54	2.57	5.4	22.44	13.84	36.28
February	0.77	4.0	14.35	12.36	26.71	1.62	5.5	14.31	18.86	60.17	1.66	5.4	29.12	16.99	40.11
March	0.25	4.8	14.38	9.84	24.42	0.40	5.6	13.31	8.55	21.86	0.43	5.4	17.47	6.74	28.21
April	0.12	5.2	11.00	6.03	17.03	0.17	5.2	24.86	7.59	32.15	0.21	5.2	16.71	6.11	22.82
May	2.83	5.5	16.60	11.60	28.20	3.32	5.9	38.44	4.10	42.54	3.09	5.6	21.19	7.92	19.64
June	5.22	5.6	19.48	9.81	29.29	5.20	5.9	23.21	11.79	37.02	5.23	5.9	21.87	6.41	28.28
July	1.10	5.8	13.02	13.92	26.94	1.34	6.0	57.95	23.16	33.11	1.67	5.7	21.61	4.20	28.31
August	0.64	5.6	14.71	8.82	23.53	1.05	5.7	13.34	12.61	25.95	1.13	5.7	21.41	5.08	26.49
September	0.51	5.6	9.05	8.78	17.83	1.21	5.8	5.98	6.11	15.09	1.41	5.7	7.33	4.91	12.24
October	1.31	5.00	13.26	10.16	23.42	1.62	5.80	26.57	12.69	39.26	1.72	5.60	18.50	7.74	26.24
November	1.08	4.03	13.01	9.27	22.28	1.31	5.57	34.15	13.40	47.55	1.41	5.52	21.60	9.79	23.72
December	1.15	4.00	10.43	4.73	15.16	1.42	5.69	22.59	11.67	34.26	1.44	5.13	17.81	11.33	29.14
Average 1955	1.37	4.74	12.53	7.64	20.17	1.65	5.30	28.71	12.53	41.24	1.73	5.52	20.25	15.20	35.45
Average over 5 years	1.30	4.37	11.97	7.50	19.47	1.59	5.47	26.96	12.71	39.67	1.70	5.35	18.40	10.47	28.87

MONTH	THE GABLES, MARTON ROAD					ACKLAM HALL SCHOOL					SPECIAL SCHOOL, ROMAN ROAD				
	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.	A.	B.	C.	D.	E.
January	2.85	5.1	9.01	18.12	27.13	2.30	5.3	2.96	6.59	9.55	2.46	5.1	7.15	23.72	29.90
February	0.40	5.5	8.31	6.84	15.15	0.45	5.6	7.24	6.02	13.26	2.46	5.1	23.82	10.44	34.26
March	0.78	5.0	11.78	5.17	21.95	0.02	5.76	0.66	6.42	0.29	5.3	23.69	2.33	26.02	
April	3.63	5.6	14.41	12.66	27.09	1.87	6.4	10.80	1.78	12.58	3.56	5.5	14.15	9.13	23.28
May	0.83	5.5	9.67	7.97	17.64	1.07	5.6	3.95	3.00	9.15	1.50	5.7	7.95	2.79	10.28
June	1.37	5.6	9.54	12.77	22.11	1.51	5.8	8.42	8.95	17.37	1.50	5.7	7.41	10.68	18.09
July	0.85	5.5	11.18	5.20	16.38	0.99	5.8	4.71	6.85	11.56	0.92	5.3	17.49	10.64	21.96
August	1.20	5.7	3.27	4.90	8.1	1.28	5.9	2.50	2.47	4.97	1.34	5.7	4.99	4.04	9.03
September	1.69	5.40	9.66	9.15	18.81	1.63	5.80	5.83	4.64	10.47	1.89	5.46	12.29	8.33	20.62
October	1.27	5.24	10.93	8.45	19.38	1.30	5.47	8.54	5.24	13.78	1.45	5.51	13.62	6.99	20.61
November	2.17	5.15	8.27	11.01	19.28	2.39	5.64	5.76	6.25	13.08	2.42	5.38	8.38	6.52	14.62
December	1.73	5.71	10.15	16.61	26.76	1.63	5.54	5.87	9.04	14.91	1.77	5.38	10.37	9.29	19.66
Average 1955	1.66	5.37	9.44	11.36	20.80	1.70	5.72	6.50	6.53	13.03	1.73	5.33	11.25	7.36	18.61

MONTH	PARKSIDE NURSERY PARK LANE					WIND RECORDS (Expressed in Hours)									
	A.	B.	C.	D.	E.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm	No Rec.
January	3.12	5.5	14.93	19.30	34.23	20.5	9.0	31.0	38.0	254.0	186.0	88.5	57.0	21.0	3.0
February	1.99	5.3	10.12	14.42	26.62	17.0	8.5	27.0	35.0	180.0	166.0	77.0	48.0	18.0	3.0
March	0.69	5.0	10.14	4.95	15.09	166.5	96.5	127.5	103.5	188.0	87.5	72.5	11.0	21.0	—
April	0.73	5.2	12.84	7.36	20.40	136.0	43.0	19.5	12.0	116.0	155.5	31.5	95.0	4.0	7.5
May	3.88	5.7	17.17	13.21	30.38	166.5	83.0	18.0	23.5	155.5	128.0	79.0	59.5	2.5	4.5
June	1.18	5.4	12.38	7.24	19.62	105.5	156.0	17.5	16.5	152.5	177.0	79.0	17.0	26.5	7.0
July	5.20	6.1	12.80	9.11	22.91	45.5	173.0	32.5	48.5	244.0	107.5	23.5	9.5	35.0	1.0
August	0.93	6.5	15.54	6.17	21.71	29.0	49.0	8.0	4.0	222.5	239.5	92.0	182.5	10.0	2.0
September	1.40	6.2	4.36	4.73	9.09	2.0	1.5	13.0	139.5	332.5	203.5	38.0	4.0	9.5	0.5
October	1.44	5.76	14.03	9.10	23.21	70.3	66.31	30.75	39.67	185.63	165.08	81.54	52.29	14.08	5.92
November	1.48	5.38	14.84	8.04	22.85	65.46	118.38	31.67	18.13	116.38	166.87	83.58	64.87	15.83	28.83
December	2.19	5.15	12.42	6.69	19.11	66.79	80.70	9.33	38.42	105.25	279.58	43.38	40.56	51.33	4.93
Average 1955	1.85	5.80	15.49	12.24	27.73	53.87	90.50	16.54	28.80	47.71	268.58	63.62	90.30	70.08	2.00
Average over 5 years	1.80	5.38	13.69	9.20	22.89	59.36	90.11	21.46	36.05	112.92	234.21	62.35	73.38	31.43	9.54

* NOTE:—Gauge removed from Sailer's Compound, Cargo Fleet Road, to Harbour Master's Yard, Docks, nearby, from 1st May, 1952.

Average Depoist over Town: 1956 — 24.09 Tons per Square Mile.
 1955 — 26.10 — — — —
 1954 — 21.29 — — — —
 1953 — 21.48 — — — —
 1952 — 28.11 — — — —
 5 Years' Average — 24.21 — — — —

Average — Industrial Areas: (6 Gauges)
 1956 — 26.51 — — — —
 1955 — 28.84 — — — —
 1954 — 22.76 — — — —
 1953 — 24.40 — — — —
 1952 — 32.06 — — — —
 5 Years' Average — 26.91 — — — —

Average — Non-Industrial Areas: (4 Gauges)
 1956 — 20.23 — — — —
 1955 — 22.03 — — — —
 1954 — 18.95 — — — —
 1953 — 21.14 — — — —
 1952 — 22.20 — — — —
 5 Years' Average — 20.12 — — — —

REFERENCES:
 A. — Rainfall in inches.
 B. — Pit Value.
 C. — Insoluble Solids.
 D. — Total Solids.
 E. — Total Solids.
 P.H. Value — Expresses degree of acidity or alkalinity of water. 7.0 shows acidity (represented by coal tar, petroleum, etc.)
 Above 7.0 shows alkalinity (soda, potash, ammonia).
 Tons per Square Mile

February, 1957.

MONTH	STOCKTON ROAD				GAS WORKS, CANNON STREET				ELECTRICITY WORKS, SNOWDON ROAD				
	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	SO ₂ Gauge
January	1.13	—	—	—	2.12	—	—	—	3.59	—	—	—	—
February	2.22	0.10	6.94	4.30	2.26	0.20	6.21	2.95	5.26	0.11	7.37	3.82	2.01
March	1.67	—	—	—	1.85	—	—	—	2.21	—	—	—	—
April	2.64	—	—	—	1.89	—	—	—	3.79	—	—	—	—
May	3.57	0.10	11.31	7.34	2.99	0.13	10.72	4.75	3.92	0.13	12.40	4.83	4.89
June	2.27	—	—	—	1.13	—	—	—	1.44	—	—	—	—
July	2.37	—	—	—	1.11	—	—	—	4.26	—	—	—	—
August	2.14	0.07	8.07	3.37	1.85	0.10	6.04	2.62	4.09	0.10	12.40	3.52	7.01
September	2.03	—	—	—	1.79	—	—	—	3.02	—	—	—	—
October	1.90	—	—	—	2.29	—	—	—	4.36	—	—	—	—
November	1.13	0.10	3.64	1.46	—	—	—	—	1.54	0.10	5.30	1.87	3.99
December	2.25	0.09	7.49	4.24	2.19	0.14	7.66	3.44	3.40	0.11	9.37	3.51	4.90
Average 1956	2.94	0.16	9.92	6.91	2.45	0.16	9.42	4.35	3.64	0.13	9.52	4.48	3.68
do. 1955	2.03	0.14	7.50	4.93	2.06	0.14	7.78	3.48	2.73	0.12	9.50	4.06	4.68
do. 1954	2.66	0.14	7.46	3.16	2.30	0.14	7.81	3.81	2.70	0.14	8.05	4.31	5.17
do. 1952	2.15	0.20	10.56	5.30	2.13	0.19	10.59	4.16	4.28	0.24	16.02	6.90	7.28
Overall Avc.	2.16	0.15	8.59	5.13	2.19	0.16	8.66	3.85	3.35	0.15	10.61	4.66	5.06

MONTH	HARBOUR MASTER'S YARD, DOCKS				ALLOTMENT, SOUTH BANK ROAD				MILLBROOK AVENUE, B.F. EST.				
	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	SO ₂ Gauge
January	2.29	—	—	—	2.84	—	—	—	8.76	—	—	—	—
February	3.95	—	—	—	12.98	—	—	—	9.09	—	—	—	—
March	3.45	0.13	9.61	4.84	13.01	0.16	9.25	3.90	6.87	0.07	9.39	2.75	1.96
April	2.45	—	—	—	8.71	—	—	—	2.62	—	—	—	—
May	4.83	0.17	11.43	5.00	16.31	0.10	29.99	8.35	7.73	0.17	18.32	5.54	3.35
June	5.37	—	—	—	9.58	—	—	—	6.60	—	—	—	—
July	5.37	—	—	—	9.58	—	—	—	7.10	—	—	—	—
August	3.51	0.13	9.15	3.74	23.22	0.20	51.71	6.04	3.12	0.10	8.49	2.86	2.82
September	2.42	—	—	—	4.95	—	—	—	8.79	—	—	—	—
October	2.29	—	—	—	1.16	—	—	—	8.99	—	—	—	—
November	2.29	0.12	6.01	2.92	1.35	0.17	4.29	1.52	2.66	0.13	5.61	1.59	1.56
December	3.44	0.14	9.05	4.12	9.80	0.16	23.81	4.95	5.92	0.12	10.45	3.18	2.42
Average 1956	2.78	0.17	6.08	3.87	18.20	0.19	17.64	5.54	4.69	0.13	13.91	6.52	3.69
do. 1955	2.37	0.17	6.08	3.87	7.29	0.21	15.68	5.02	4.85	0.14	10.74	3.07	4.27
do. 1954	1.95	0.14	5.79	3.58	8.00	0.25	22.28	7.67	4.33	0.22	17.98	5.52	5.83
do. 1952	1.91	0.16	7.31	5.55	2.49	0.16	7.25	4.20	4.53	0.15	12.50	4.61	3.89
Overall Avc.	2.49	0.16	7.25	4.20	8.97	0.19	19.61	5.84	4.53	0.15	12.50	4.61	3.89

MONTH	THE GABLES, MARTON ROAD				ACKLAM HALL SCHOOL				SPECIAL SCHOOL, ROMAN ROAD				
	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂	SO ₂ Gauge
January	1.90	—	—	—	0.40	—	—	—	0.98	—	—	—	—
February	3.17	—	—	—	0.99	0.07	4.87	2.30	4.11	—	—	—	—
March	1.47	0.07	6.00	2.24	1.55	—	—	—	2.39	—	—	—	—
April	2.90	—	—	—	0.99	—	—	—	2.63	0.10	10.41	3.64	2.90
May	4.44	—	—	—	0.92	—	—	—	0.98	—	—	—	—
June	4.33	0.07	10.74	3.60	1.77	0.10	8.27	2.43	1.31	0.07	3.94	3.40	2.42
July	1.77	—	—	—	1.26	—	—	—	1.48	—	—	—	—
August	2.03	0.07	7.01	2.26	1.09	0.13	5.53	2.76	1.31	0.07	3.94	3.40	2.42
September	1.70	—	—	—	0.66	—	—	—	1.48	—	—	—	—
October	1.70	—	—	—	0.66	—	—	—	2.02	—	—	—	—
November	1.10	—	—	—	0.33	0.03	1.78	0.69	0.98	0.07	3.27	1.65	1.15
December	0.67	0.07	2.33	0.87	0.66	—	—	—	2.43	0.08	5.87	2.89	2.16
Average 1956	2.19	0.07	6.52	2.24	0.98	0.08	5.11	2.04	1.90	0.12	6.00	4.46	1.85
do. 1955	2.45	0.16	7.85	3.20	1.67	0.08	3.57	1.56	1.69	0.13	8.19	4.18	2.04
do. 1954	2.09	0.13	6.74	2.48	1.05	0.11	2.19	3.33	1.69	0.13	8.19	4.18	2.04
do. 1952	1.54	0.18	7.08	2.63	1.07	0.36	3.43	1.78	1.28	0.16	6.55	3.79	4.27
Overall Avc.	1.99	0.13	6.58	2.50	1.19	0.15	3.62	1.86	1.69	0.12	6.09	3.59	2.53

MONTH	PARKSIDE NURSERY, PARK LANE			
	Fe ₂ O ₃	Tarry Matter	Ash	Comb. Sulphate as SO ₂
January	1.88	—	—	—
February	4.08	—	—	—
March	1.45	0.13	6.97	3.04
April	2.51	—	—	—
May	3.84	0.07	13.01	4.99
June	2.18	—	—	—
July	2.40	—	—	—
August	2.40	—	—	—
September	2.21	—	—	—
October	1.48	—	—	—
November	0.57	0.07	2.79	1.50
December	1.48	—	—	—
Average 1956	2.26	0.09	7.59	2.87
do. 1955	2.56	0.17	9.79	4.64
do. 1954	2.11	0.17	9.62	4.46
do. 1953	2.18	0.18	7.68	3.32
do. 1952	2.13	0.21	10.70	4.03
Overall Avc.	2.25	0.16	9.08	3.86

REFERENCES

Fe₂O₃, Tarry Matter, Ash, Combustible matter, Sulphate as SO₂, SO₂ Gauges—Expressed in Milligrams per 100 Sq. Centimeters per day.
Expressed in Tons per Sq. Mile.

SUMMARY

ITEM	INDUSTRIAL AREA				NON-INDUSTRIAL AREA				WHOLE TOWN							
	1956	1955	1954	1953	1952	1956	1955	1954	1953	1952	1956	1955	1954	1953	1952	Overall Average
Fe ₂ O ₃	3.97	4.35	3.27	3.34	3.85	2.98	2.93	2.04	1.55	1.50	2.20	3.59	3.78	2.80	2.62	2.91
Tarry Matter	0.12	0.16	0.16	0.16	0.16	0.11	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Ash	10.85	10.28	9.68	9.20	14.53	7.41	9.13	7.54	5.08	6.94	7.22	9.41	9.41	8.91	7.58	11.41
Combustible Matter	3.92	4.87	4.43	4.13	5.88	2.57	4.15	3.29	2.62	3.06	3.14	3.37	4.58	4.02	3.53	4.72
Sulphate as SO ₂	3.38	3.83	3.21	3.44	4.69	2.26	3.05	3.09	3.31	4.69	3.28	2.93	3.51	3.17	3.39	4.69
SO ₂ Gauges	2.07	1.71	1.10	0.85	0.65	1.66	1.56	1.05	0.80	0.62	1.14	1.87	1.64	1.08	0.83	0.63

February, 1957.
Henry Whitfield,
Chief Public Health Inspector,
Health Department,
25, Millbrook Road,
Middlesbrough.

Atmospheric Pollution.

Although the press throughout the country has given prominence to the dangers to health which accrue through heavy atmospheric pollution, the amount of deposit shows no diminution over the past six years. The Borough is fortunate in that the prevailing wind is south-west, as the siting of the industrial plant along the river bank tends to take pollution from the town. Whenever north and north-east winds occur, pollution as shown in the gauges increases. One of the constituents in the gauges showing such increase is Ferric Oxide, for which iron and steel works are responsible.

With the passing of the Clean Air Act, the Council will in 1957 consider the formation of smoke controlled areas. The areas of the housing estates completed and the areas to be commenced, lend themselves automatically for such treatment as each house is fitted, or to be fitted, with solid smokeless fuel burning appliances. There is no defined business area in the centre of the town, as shop, etc., premises are mixed with dwelling houses. Certain areas in the centre of the town are earmarked for business only in the town's development plan. It would therefore be wrong to apply smoke-control area policy in such areas until the plan is fully implemented. The short life of the houses does not justify the expenditure on conversion of the old fireplaces.

Social Clubs.

Number on Register ...	...	...	...	57
Number of Inspections	...	...	...	158

The whole of the clubs have been visited and special attention paid to the provisions of the Food Hygiene Regulations 1955, so far as they affect this type of premises.

Reports, where necessary, have been forwarded to the responsible persons and steps are being taken by the clubs to bring the premises up to the required standard.

SECTION F

HOUSING.

Number of new houses erected in the Borough during the year:—

(1) Erected by the Local Authority	633
(2) Erected by other persons	153
(3) Houses demolished	45

The ward distribution of the houses referred to is as follows:—

Acklam Ward	116
Linthorpe Ward	8
Whinney Banks Ward	32
Park Ward	10
Grove Hill Ward	4
Tollesby Ward	—
North Ormesby Ward	—
Clairville Ward	—
Thorntree Ward	610
Cleveland Ward	6
Total	786

Housing Act, 1956—Section 9.

Informal Notices served	16
Formal Notices served	18
Notices completed	22
(a) By Owner	18
(b) By Corporation in default	4

Certain work completed during the year referred to notices served in previous years.

Full information of Housing Procedure is now submitted to the Ministry quarterly.

Local Government (Miscellaneous Provisions) Act, 1933;**Section 10.**

Number of houses in respect of which a Closing Order was made	3
--	---

Overcrowding.

During the year, 27 visits were made to houses known to be overcrowded.

Housing Repairs and Rents Act, 1954.

Eleven Certificates of Disrepair were issued by the Town Clerk's Department during the year.

On receipt by the Owners of the certificates of disrepair, immediate instructions were given to contractors to effect repairs.

Appropriate Public Health Act or Housing Act Notices were served upon the owners to cover the items detailed on the certificates of disrepair.

Common Lodging Houses.

Number of Houses	...	...	...	...	6
Number of Keepers	...	...	...	...	6
Number of Inspections	...	...	...	...	41
Number of Lodgers who can be accommodated nightly	...	...	...	...	235
Number registered during the year	...	...	...	...	—
Number closed or discontinued	...	...	...	...	—
Number of Notices and Letters re repairs, cleanliness, etc.	...	...	...	...	10

SECTION G

INSPECTION AND SUPERVISION OF FOOD.

Bacteriological Examination of Graded Milk.

Four hundred and sixty-six samples were procured during the year and submitted for examination. Three hundred and seventy-seven or 80.9% were found to be satisfactory to the statutory test, and 89 or 19.1% unsatisfactory.

Summary (1956).

Grade	Number		Number		Number Un-	
	Taken	%	Satisfactory	%	Satisfactory	%
TT (Certified) ...	21	4.5	18	85.71	3	14.29
Tuberculin Tested ...	445	95.5	359	80.67	86	19.33
Total ...	466	100%	377	—	89	—

Samples were found to be satisfactory as follows:—

On 1st Test	...	...	...	...	...	328
On 2nd Test	...	...	...	...	...	37
On 3rd Test	...	...	...	...	...	10
On 4th Test	...	...	...	...	...	1
On 5th Test	...	...	...	...	...	1
Total	...	...	...	...	...	377

Origin	No. of Producers	No. of Samples	Satisfactory		Unsatisfactory	
			No.	%	No.	%
Inside the Borough	4	23	21	91.3	2	8.7
Outside the Borough	122	443	356	80.36	87	19.64
Total ...	126	466	377	80.9	89	19.1

Analysis of Unsatisfactory Samples.

				Winter	Summer	Total
Decolourised in	$\frac{1}{2}$ hour	...	...	1	4	5
"	" 1	"	...	—	5	5
"	" $1\frac{1}{2}$ hours	...	...	1	3	4
"	" 2	"	...	—	4	4
"	" $2\frac{1}{2}$	"	...	1	14	15
"	" 3	"	...	—	1	1

..	..	3½	..	...	...	—	21	21
..	..	4	..	...	...	2	12	14
..	..	4½	..	...	...	3	4	7
..	..	5	..	...	...	8	—	8
..	..	5½	..	...	...	5	—	5
						—	—	—
			Total	...		21	68	89
						—	—	—

Of the number of Graded Milks unsatisfactory, 87 samples were from outside the Borough, having been procured from 60 producers. Notification of the results was given to the Provincial Advisory Bacteriologist.

From 67 farms outside the Borough, and 3 farms inside the Borough, a total of 158 samples were procured and in every case the milk was satisfactory.

Summary of Bacteriological Milk Samples taken over last 5 years.

Year	Total	Satisfactory	%	Not Satisfactory	%
1952	490	405	82.65	85	17.35
1953	435	361	82.99	74	17.01
1954	469	404	86.14	65	13.86
1955	475	367	77.26	108	22.74
1956	466	377	80.90	89	19.10
	2,335	1,914	81.97	421	18.03

It is appreciated that during hot weather there will be occasional samples which do not conform to standard as the milk may have been left at the farm collecting point in the heat of the sun.

Reports upon unsatisfactory producers are sent to the appropriate authority, but a glance at the above tables does not show the improvement desired.

There is no doubt that since the inspection of farm dairies has ceased to be a function of Local Authorities, inspections have not been carried out as formerly. The milk advisory service certainly take samples at the time of production, and give advice when samples are not satisfactory. The damage appears to be done some time after production, and leads one to assume that possibly churns are not being adequately cleansed. Although a duty devolves upon the farmer to see that the churns are clean, rinse samples of churns before containing milk is not carried out except at the dairy responsible for churn washing prior to return to the producer. It is probable that churns which have been cleansed properly at the dairy become contaminated later, as often churns have been seen at the side of the road minus lids and sometimes in ditches near the farm gate. Microscopic inspection is not sufficient; periodic tests with "Ringer" solution should be done.

Rinse Samples.

Fifty-four samples were procured during the year from the 5 dairies in the Borough where milk is bottled. In each case these dairies use one or more automatic bottle sterilizers. Samples were procured from each sterilizer; 8 in all, and the average counts varied from 64 to 4,881 per pint bottle.

Two machines were found to be functioning unsatisfactorily, and after minor adjustments had been made a satisfactory rinse sample from the bottles the machines had sterilized was obtained.

Pasteurised Milks.

	Number Submitted	Number Satisfactory	Number Unsatisfactory
Bacteriological Tests Pasteurised	136	126	10
T.T. Pasteurised	93	92	1
Total	<u>229</u>	<u>218</u>	<u>11</u>

Pasteurised.

6 Samples failed to pass the Phosphatase Test.

5 Samples failed to pass the Methylene Blue Test.

Pasteurised Milks—5 year Summary.

Year	Pasteurised			T.T. Pasteurised		
	Number Taken	Number Satisfactory	Number Un- satisfactory	Number Taken	Number Satisfactory	Number Un- satisfactory
1952	97	94	3	72	69	3
1953	101	99	2	74	70	4
1954	118	117	1	77	77	—
1955	136	130	6	88	86	2
1956	136	126	10	93	92	1
Total	<u>588</u>	<u>566</u>	<u>22</u>	<u>404</u>	<u>394</u>	<u>10</u>
Total taken ... ..	...	...	...	992		
Satisfactory ... ..	...	...	...	960	(96.77%)	
Unsatisfactory ... ..	...	...	...	32	(3.23%)	

Sterilized Milks.

	Number Submitted	Number Satisfactory	Number Unsatisfactory
Bacteriological Tests	46	46	—

Sterilized Milks—5 year Summary.

Year			Number Taken	Number Satisfactory	Numbers Unsatisfactory
1952	...	...	24	24	—
1953	...	...	25	25	—
1954	...	...	38	38	—
1955	...	...	48	46	2
1956	...	...	46	46	—
	Total	...	<u>181</u>	<u>179</u>	<u>2</u>
				(98.89%)	(1.11%)

Biological Examination of Milk.

An improvement in the number of Guinea Pigs available at the Laboratory has resulted in more samples being submitted for Biological Examination.

(a) Tubercle Bacilli.

Grade			Number of Samples Submitted	Number free from Tubercle Bacilli	Number Containing Tubercle Bacilli
T.T. (Certified)	...	...	11	11	—
Tuberculin Tested	...	...	188	188	—
Pasteurised	...	...	3	3	—
	Total	...	<u>202</u>	<u>202</u>	<u>—</u>

(b) Brucella Abortus.

Grade			Number of Samples Submitted	Number free from Brucella Abortus	Number Containing Brucella Abortus
T.T. (Certified)	...	...	11	8	3
Tuberculin Tested	...	...	188	181	7
Pasteurised	...	...	3	3	—
	Total	...	<u>202</u>	<u>192</u>	<u>10</u>

In all cases where a "Positive" report is received concerning either Tubercle Bacilli or Brucella Abortus, the Ministry of Agriculture, Fisheries and Food (Animal Health Division) is immediately notified.

5 Years' Summary.

Year	Tubercle Bacilli			Brucella Abortus		
	Number Submitted	Number Negative	Number Positive	Number Submitted	Number Negative	Number Positive
1952	56	55	1	46	43	3
1953	20	20	—	5	5	—
1954	21	21	—	21	21	—
1955	62	62	—	57	53	4
1956	202	202	—	202	192	10
Total	361	360	1	331	314	17

The Milk (Special Designations) (Pasteurised and Sterilized Milk) Regulations, 1949.

The following licences have been granted during the year under the above Regulations (concerning the 343 establishments from which milk is sold):—

	1955	1956
1. Dealers (Pasteurisers)	5	5
2. Dealers (Sterilizers)	1	1
3. Pasteurised (Dealers)	134	149
4. Sterilized (Dealers)	314	314
5. Pasteurised Dealer (Supplementary)	1	1
Total	455	470

These licences are renewable on the 1st January each year.

The Milk (Special Designation) (Raw Milk) Regulations, 1949.

The following licences have been granted during the year under the above Regulations:—

	1955	1956
1. Tuberculin Tested (Dealers) ...	23	23

These licences are renewable on the 1st January each year.

The Milk and Dairies Regulations, 1949.

There are 13 Distributors registered under Part III(2) of the above Regulations.

Purveyors of Milk.**Bottled Milk — 5 Year Summary.**

	1952	1953	1954	1955	1956
1. Pasteurised Milk	111	123	117	134	149
2. Tuberculin Tested	22	22	22	23	23
3. Sterilized	214	281	293	314	314
Total	347	426	432	471	486

The following table shows the average fatty content of the samples procured during the last 5 years and submitted for Chemical Analysis:—

Year	Number of Samples taken	Average Fat content
1952	149	3.43%
1953	118	3.46%
1954	123	3.56%
1955	171	3.60%
1956	179	3.59%

With the exception of two small dairies and three distributors from outside the Borough, the whole of the milk for the Borough is supplied by three large dairies, with the result that the milk is "Mixed," thus showing a high average fat content.

Ice Cream Producers and Dealers.

Section 16, Food and Drugs Act, 1955, makes it obligatory upon all persons dealing with Ice Cream to be registered; the number on the register being:—

Producers	17
Dealers	423
Sales Units (Mobile)	42

During the year 70 Certificates were issued, being 56 new Dealers, and 14 changes of Proprietors in the Dealers' Register. Forty-two Registrations were withdrawn, as the sale of Ice Cream had been discontinued.

The results of the analysis of all samples procured, were forwarded to manufacturers. "Follow-up" samples were taken as necessary, after discussing methods of manufacture so far as producers in the Borough were concerned.

A summary of Ice Cream Producers and Dealers over the last 5 years is as follows:—

	1952	1953	1954	1955	1956
Producers	30	27	25	18	17
Dealers	397	412	416	425	465
Total	427	439	441	443	482

Ice Cream.

It will be noted that the number of producers is being gradually reduced. This is all to the good. The trend appears to be to sell Ice Cream from certain manufacturers and take a percentage profit rather than be troubled with the expense and labour of making their own product.

Ice Cream Sampling.

Bacteriological Examination.

Ninety samples of Ice Cream were procured from 19 Producers; 85 were found to be satisfactory and 5 unsatisfactory as indicated in the following tables:—

Table 1. Results of "Cold-Mix" Samples.

Time taken to reduce Methylene Blue (hrs.)	No.	Provisional Grading			
		1	2	3	4
4½	6	6	—	—	—
4 — 2½	1	—	1	—	—
2 — 0	—	—	—	—	—

All the above samples were from one local producer.

Table 2. Results of "Hot-Mix" Samples.

Time taken to reduce Methylene Blue (hrs.)	No.	Provisional Grading			
		1	2	3	4
4½	71	71	—	—	—
4 — 2½	7	—	7	—	—
2 — 0	5	—	—	4	1

The 5 unsatisfactory samples were from 4 local producers. After supervision, further samples were procured which in each case were given provisional grade 1.

Table 3. Summary. Results of All Samples Taken.

No.	Provisional Grading			
	1	2	3	4
90	77	8	4	1

Table 4.

**Showing Results of Samples taken which were
Produced Inside and Outside the Borough.**

Where Produced	Producers	No.	Provisional Grading			
			1	2	3	4
Outside Borough ...	7	43	41	2	—	—
Inside Borough ...	12	47	36	6	4	1
Total ...	19	90	77	8	4	1

Summary over last 5 Years.

	1952	1953	1954	1955	1956
Total Taken ...	112	97	80	96	90
Provisional Grade 1 ...	67	50	55	50	77
" " 2 ...	28	24	13	25	8
" " 3 ...	15	13	10	4	4
" " 4 ...	2	10	2	17	1
Percentage Satisfactory	84.82	76.29	85.00	78.12	94.44

The number of producers of Ice Cream in the Borough has again fallen but the results of samples procured has been the best recorded since this type of sampling commenced.

Ice Cream Chemical Analysis.

Seventy-two samples of Ice Cream were procured and submitted to the Public Analyst for Chemical Analysis. The results of the Fat Content varied from 3.8% to 12.5%. The Fat Standard during the year was 5%. Sixty-nine samples were above this standard, and 3 from 2 different producers below.

The 2 samples below standard were 1 Informal and 1 Formal from one local producer, which resulted in Legal Proceedings being instituted. See Magisterial Proceedings No. 25, page .

The other sample was an Informal one, and the "Follow-up" Formal sample proved to be genuine.

The average Fat Content of samples over the last 5 years is as follows:—

1952	1953	1954	1955	1956
7.973%	8.227%	9.309%	8.752%	9.225%

Seventy-two samples were also submitted for analysis so far as "Solids not Fat" and "Sucrose" Content was concerned. The standard required was "Solids not Fat" 7.5%; "Sucrose" 10%. The average of the 72 samples submitted was "Solids not Fat" 10.567%; "Sucrose" 13.901%.

All samples conformed to standard.

Bacteriological Examination of Chinese Egg Albumin.

Following information received, 6 samples of Chinese Egg Albumin were procured from a person who uses same in the manufacture of Sweetmeats (Snowballs). The examination in each case showed that Salmonella organisms were not present.

Public Swimming Baths.

Fifty-six samples were taken on 16 occasions. On each occasion a sample was taken at the inlet (shallow) and outlet (deep) ends of the bath. The result in every case was highly satisfactory. The Baths Superintendent and his staff are congratulated on the high standard maintained.

Meat and Other Foods.

Slaughter of Animals Acts, 1933 to 1954.

There are now 39 persons on the Register of Licensed Slaughtermen. Of these, only 12 are regularly employed at the 2 slaughterhouses.

Carcase dressing does not appear to be of pre-war standard. This is accounted by the fact that:—

- (1) Butchers often did their own slaughtering, and took pride in their work.
- (2) With the payment of a headage rate to slaughtermen, there is a tendency to rush the work to obtain maximum income.

The number of slaughtermen capable of proper dressing is diminishing, and there are not sufficient young men coming forward to replace older men. Whilst the pay is attractive the work is not, and young men can easily obtain work in the various works for reasonable payment at employment which is not so arduous.

Slaughterhouses.					Regd.	Licensed
December, 1920	...	...	...	...	39	3
December, 1956	...	...	...	...	—	1
Public Slaughterhouses	...	...	...	...	1	—
Number of Inspections (at two Slaughterhouses — see Public Health (Meat) Regulations						
Regulations	...	...	...	...	1,713	

Manufacture of Foodstuffs.

All premises used or proposed to be used for the preparation of Potted, Pressed, Pickled or Preserved Meat (including sausages), are registered under Section 16, Food and Drugs Act, 1955.

The total number of such premises on the register is 271.

Public Health (Meat) Regulations, 1924/52.

The Public Abattoir and the Co-operative Society's Abattoir in Saltwells Road are used; a qualified Inspector is employed upon inspection at each of these premises.

The following have been slaughtered and inspected before removal from the slaughterhouses:—

Species	Saltwells Road		Total
	Public Abattoir	Abattoir	
Bulls	72	27	99
Bullocks	2,356	1,512	3,868
Cows	1,279	335	1,614
Heifers	1,432	1,651	3,083
Calves	1,324	459	1,783
Pigs	10,102	4,039	14,141
Sows and Boars	668	749	1,417
Sheep	14,460	7,205	21,665
Horses	—	—	—
Total	31,693	15,977	47,670

Summary of Animals Slaughtered during the last 5 years.

	1952	1953	1954	1955	1956
Bulls	390	350	309	166	99
Bullocks	4,585	4,821	5,338	3,596	3,868
Cows	2,277	1,770	2,171	1,849	1,614
Heifers	4,529	4,032	3,443	2,445	3,083
Calves	8,804	6,202	2,906	1,386	1,783
Sheep	45,808	45,635	36,443	19,441	21,665
Pigs	6,742	12,056	19,694	19,033	15,558
Horses	—	—	—	—	—
Total	73,135	74,866	70,304	47,916	47,670

Total — 313,891

Carcases Inspected and Condemned.

	Cattle excluding			Sheep and		
	Cows	Cows	Calves	Lambs	Pigs	Horses
Number killed ...	7,050	1,614	1,783	21,665	15,558	—
Number Inspected	7,050	1,614	1,783	21,665	15,558	—
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI						
Whole carcases condemned ...	6	15	11	48	13	—
Carcases of which some part or organ was con- demned ...	2,805	575	8	592	1,644	—
Percentage of the number inspec- ted affected with conditions and diseases other than Tubercu- losis and Cysticerci ...	39.87	36.55	1.06	2.95	10.65	—
TUBERCULOSIS ONLY						
Whole carcases condemned ...	9	22	1	—	13	—
Carcases of which some part or organ was con- demned ...	510	508	1	—	476	—
Percentage of the number inspec- ted affected with tuberculosis ...	7.37	32.84	0.11	—	3.14	—
CYSTICERCOSIS						
Carcases of which some part or organ was con- demned ...	12	1	—	—	—	—
Carcases sub- mitted to treat- ment by re- frigeration ...	12	1	—	—	—	—
Generalised and totally con- demned ...	—	—	—	—	—	—

CLASSIFICATION OF CONDEMNATIONS — 1956.

Disease or Condition	Cow		Other Beef	Pork	Mutton	Veal	Offal	Fish	Rabbits	Tinned Goods	Vegetables	Misc.	TOTALS
	Beef	Offal											
Abscesses ..	—	718	22	39	3	—	2,334	—	—	—	—	—	3,116
Actinobacillosis ..	—	—	107	—	—	—	68	—	—	—	—	—	175
Actinomycosis ..	—	—	30	5	—	—	298	—	—	—	—	—	333
Arthritis ..	—	—	—	105	58	—	30	—	—	—	—	—	193
Bonetaint ..	—	—	1,270	—	—	—	—	—	—	—	—	—	1,270
Bruising ..	36	—	74	18	—	—	34	—	—	—	—	—	162
Carcinoma ..	—	—	—	—	—	—	—	—	—	—	—	—	32
Cavernous Angioma ..	—	—	—	—	—	—	60	—	—	—	—	—	60
Congestion ..	—	492	—	—	—	—	561	—	—	—	—	—	552
Contamination ..	10	4	2	—	—	—	99	—	—	—	—	—	573
Decomposition ..	—	—	32	97	93	—	534	—	—	—	—	—	105
Emaciation ..	1,146	285	408	—	92	—	134	—	—	12,117	88,144	2,948	106,189
Enteritis ..	402	65	—	60	—	—	19	—	—	—	—	—	2,065
Fatty Infiltration ..	—	15	—	—	—	—	—	—	—	—	—	—	15
Fever ..	—	—	—	282	50	40	20	—	—	—	—	—	392
Food Aspiration ..	—	10	—	—	—	—	70	—	—	—	—	—	80
Gangrene ..	—	—	—	97	—	—	—	—	—	—	—	—	97
Ill-Bled ..	—	—	—	—	70	53	20	—	—	—	—	—	143
Inflammation ..	—	15	—	—	—	90	795	—	—	—	—	—	810
Jaundice ..	—	—	—	—	—	—	15	—	—	—	—	—	105
Johnes Disease ..	326	210	—	—	—	—	42	—	—	—	—	—	578
Mastitis ..	1,874	1,443	28	—	121	—	31	—	—	—	—	—	3,469
Melanosis ..	—	—	—	—	—	—	17	—	—	—	—	—	17
Metritis ..	—	—	—	—	84	—	12	—	—	—	—	—	96
Moribund ..	—	22	—	—	—	74	5	—	—	—	—	—	101
Natural Death ..	—	30	1,167	170	304	46	226	—	—	—	—	—	1,913
Necrosis ..	—	20	—	4	—	—	22	—	—	—	—	—	52
Nephritis ..	—	20	—	—	—	—	36	—	—	—	—	—	60
Odour (Abnormal) ..	—	—	—	95	—	—	13	—	—	—	—	—	108
Oedema (Dropsy) ..	2,199	420	35	—	787	122	169	—	—	—	—	—	3,732
Parasites:													
Ascaris ..	—	—	—	—	—	—	464	—	—	—	—	—	464
Cysticercus Bovis ..	—	—	280	—	—	—	157	—	—	—	—	—	437
Echinococcus ..	—	36	—	8	—	—	247	—	—	—	—	—	291
Fluke ..	—	2,422	—	—	5	—	18,477	—	—	—	—	—	20,904
Unclassified ..	—	6	—	—	—	—	537	—	—	—	—	—	537
Pericarditis ..	—	—	328	—	—	—	201	—	—	—	—	—	535
Peritonitis ..	508	103	—	72	39	92	189	—	—	—	—	—	1,003
Pleurisy ..	—	270	21	6	20	—	2,993	—	—	—	—	—	3,310
Pneumonia ..	—	80	1,320	53	197	80	746	—	—	—	—	—	2,476
Pyæmia ..	300	95	—	—	—	—	—	—	—	—	—	—	395
Septicæmia ..	—	—	—	180	—	—	10	—	—	—	—	—	190
Swine Erysipelas ..	—	—	—	10	—	—	4	—	—	—	—	—	14
Trauma (Injury) ..	605	149	82	113	18	76	56	—	—	—	—	—	1,099
Tuberculosis ..	18,018	8,648	7,101	8,462	—	132	3,651	—	—	—	—	—	46,012
Tumours ..	—	67	—	—	—	—	19	—	—	—	—	—	580
Miscellaneous ..	—	10	—	—	—	—	196	—	—	—	—	—	206
TOTALS	25,908	15,645	12,307	9,878	1,973	805	33,611	2,224	—	12,117	88,144	2,948	205,560
TOTAL for 1955 ..	21,253	17,968	17,207	11,325	2,327	1,048	31,229	2,202	72	16,533	6,837	4,549	132,550
" 1954 ..	30,948	21,017	26,350	15,497	8,116	1,714	51,976	2,283	789	18,101	—	2,152	178,943
" 1953 ..	47,211	22,801	25,166	11,580	6,320	3,595	78,858	3,023	178	31,472	—	5,783	235,987
" 1952 ..	63,995	31,291	28,701	14,596	3,872	4,413	85,554	4,594	34	21,462	—	3,489	262,001

Of the 47,670 animals slaughtered, 40,400 or 84.749% were found to be sound and unaffected by diseases or conditions of any nature; 1,540 or 3.231% were found to be affected with Tuberculosis and 5,730 or 12.020% were found to be affected with other diseases or conditions.

Summary.

Year	Total No. of Animals Slaughtered	No. Sound & Unaffected by Diseases or Conditions		No. Affected by Tuberculosis		No. Affected by other Diseases or Conditions	
		No.	%	No.	%	No.	%
1952	73,135	60,608	82.871	2,349	3.212	10,178	13.917
1953	74,866	63,138	84.335	2,199	2.937	9,529	12.728
1954	70,304	60,663	86.287	2,375	3.378	7,266	10.335
1955	47,916	40,892	85.341	1,633	3.408	5,391	11.251
1956	47,670	40,400	84.749	1,540	3.231	5,730	12.020

Particulars of Surrenders and Seizures of Unsound Animals and Meat.

Number of Voluntary Surrenders of diseased carcasses or part carcasses or internal organs

Number of Seizures (with subsequent destruction) of disease carcasses or part carcasses or internal organs.

Year	Number of Voluntary Surrenders		Number of Seizures		Totals
	Tuberculosis	Other Conditions	Tuberculosis	Other Conditions	
1952	2,349	10,178	—	—	12,527
1953	2,199	9,529	—	—	11,728
1954	2,375	7,266	—	—	9,641
1955	1,633	5,391	—	—	7,024
1956	1,540	5,729	—	1	7,270

Year	Whole Carcasses affected	Part Carcasses affected	Organs only affected
	1952	391	686	11,450
1953	317	644	10,767
1954	346	897	8,398
1955	157	722	6,145
1956	138	705	6,427

Surrenders and Seizures of Food.

Whenever beasts and calves are found to be affected with Generalised Tuberculosis, notification is given to the Divisional Veterinary Inspector. The notification of calves with Congenital Tuberculosis gives the Veterinary Inspector the opportunity of attempting to trace the Dam. This has been possible on numerous occasions, and the dam in question has been dealt with.

One heifer carcase and all offal was seized during the year, being unfit for human consumption.

Below is a list of food found to be unsound and unfit for human consumption. All was surrendered and destroyed:—

Species	Affected with Tuberculosis		Affected with other diseases or Conditions		Total	
	No.	Lbs.	No.	Lbs.	No.	Lbs.
Beasts	31	14,995	21	9,171	52	24,166
Pigs	13	2,826	13	1,203	26	4,029
Sheep & Lambs	—	—	48	1,728	48	1,728
Calves	1	122	11	630	12	752
Beef	—	10,124	—	3,925	—	14,049
Pork	—	5,636	—	213	—	5,849
Mutton	—	—	—	245	—	245
Veal	—	10	—	43	—	53
Offal	—	12,299	—	36,957	—	49,256
Fish	—	—	—	2,224	—	2,224
Rabbits	—	—	—	—	—	—
Canned Goods	—	—	10,230	12,117	10,230	12,117
Vegetables ...	—	—	—	88,144	—	88,144
Miscellaneous	—	—	—	2,948	—	2,948
Totals		46,012		159,548		205,560
		(20.541 Tons)		(71.227 Tons)		(91.768 Tons)

Summary of Condemnations during last 5 years.

Year	Total Condemned Lbs.	Butchers' Meat Lbs.	Butchers' Meat affected by Tuberculosis Lbs.
1952	262,001	232,422	98,174
1953	235,987	195,531	77,215
1954	178,943	156,407	73,054
1955	132,550	102,357	49,676
1956	205,560	100,127	46,012

During the past five years, the incidence of Tuberculosis in animals slaughtered for human consumption was as follows:—

Year	Number of Animals		
	Slaughtered	Number	Percentage
1952	73,135	2,349	3.212
1953	74,866	2,199	2.937
1954	70,304	2,375	3.378
1955	47,916	1,633	3.408
1956	47,670	1,540	3.231

Cysticercus Bovis.

There were 13 cases during the year of carcasses found to have minor infestations of *Cysticercus Bovis*. The carcase in each case was kept in a cold store for 21 days in accordance with the Ministry of Agriculture, Fisheries and Food's instruction.

Disposal of Meat Unfit for Human Consumption.

The whole of the unfit Meat and Offal from the Slaughterhouses was disposed of in accordance with the instructions contained in Circular MF/10/54 issued by the Ministry of Food. Prior to removal by an Animal Feeding Stuffs Processor the whole of the condemned Meat and Offal was thoroughly stained with green dye.

ADULTERATION OF FOODSTUFFS.**Public Health (Preservatives, etc., in Food) Regulations, 1925-53.**

During the year, 57 samples were analysed for the presence of preservatives, all being declared genuine.

Chemical Analysis of Food and Drugs.

Four hundred and eleven informal and 15 formal samples were taken during the year. Two hundred and forty-eight of these samples were submitted to the Public Analyst, as follows:—

	Informal	Formal
Almond Essence	1	—
Almond Marzipan	1	—
Arrowroot	1	—
Aspirin	2	—
Aspro	1	—
Bacon	11	—
Baking Powder	2	—
Bi-carbonate of Soda	3	—
Boracic Acid	2	—
Borax	4	—
Butter	9	1
Butter Beans	1	—
Cake Mixture	3	—
Camphorated Oil	3	—
Candied Peel	1	—
Caster Oil	2	—

	Informal	Formal
Cheese	9	—
Christmas Pudding	2	—
Coconut	1	—
Condensed Milk	1	—
Crab and Lobster Paste	1	—
Currants	2	—
Custard Powder	1	—
Disprin	1	—
Glace Cherries	1	—
Ground Almonds	2	—
Ground Ginger	1	—
Honey	1	—
Ice Cream	70	2
Iodine	2	—
Jam	11	1
Lard	11	—
Lemon Curd	1	—
Lemon Flavour	1	—
Margarine	9	—
Meat Paste	2	—
Milk	—	5
Minced Chicken	1	1
Minced Chicken and Ham Paste	1	—
Minced Meat	2	1
Minced Turkey Paste	1	—
Mustard	1	—
Parrish's Chemical Food	3	—
Peel—Mixed	2	—
Pepper	1	—
Phensic	1	—
Raisins	2	—
Rum	—	1
Saccharine Tablets	1	—
Salmon and Lobster Paste	1	—
Salmon Spread	2	—
Sauce	3	—
Scones—Buttered	1	1
Spice—Mixed	1	—
Sugar	10	—
Sultanas	2	—
Table Jelly	2	—
Tea	11	—
Teacakes—Buttered	2	2
Tomato Ketchup	1	—
Veal and Ham Paste	1	—
Vinegar	1	—
Zinc and Castor Oil Cream	1	—
Zinc Ointment	1	—
	<hr/>	<hr/>
	233	15
	<hr/>	<hr/>

Total:— 248.

In addition to the above, 178 Informal Samples of Milk were tested in the Department.

Total Samples Procured	426
Informal	411
Formal	15

Four hundred and twelve samples were returned Genuine, and 14 Non-genuine; all by the Public Analyst.

Action Taken Regarding 14 Non-Genuine Samples.

Case No.	Concerning	Offence	Samples	Action Taken
1.	Ice Cream	Deficient in Fat Content	1 Informal 1 Formal	See Magisterial Proceedings No. 25, Page 94.
2.	Buttered Scones	Spread with Margarine containing 10% Butter.	1 Informal 1 Formal	Legal proceedings are being instituted.
3.	Buttered Teacakes	Spread with Margarine containing 10% Butter.	1 Informal 1 Formal	See Magisterial Proceedings No. 36, Page 95.
4.	Buttered Teacakes.	Spread with Mixture of 80% Margarine & 20% Butter.	1 Informal 1 Formal	See Magisterial Proceedings No. 37, Page 95.
5.	Ice Cream	Deficient in Fat content.	1 Informal	Producer warned. Formal Follow-up sample proved to be genuine. Manufacturers advised. Not possible to procure a formal sample.
6.	Zinc Ointment	Contained 3% excess Zinc Oxide. Not prepared in accordance with the British Pharmacopoeia.	1 Informal	
7.	Minced Chicken	Incorrectly labelled.	1 Informal 1 Formal	Vendor warned for removing the outer wrapper, thus selling the article incorrectly labelled.
8.	Glace Cherries	Incorrectly labelled.	1 Informal	Packers warned, and method of labelling amended.
9.	Mixed Cut Peel	Incorrectly labelled	1 Informal	Packers warned, and method of labelling amended.

Summary of Food and Drugs Samples Taken Over

Last 5 Years.

Year	Total Taken	Formal	Informal	Genuine	Non-Genuine
1952	441	195	246	418	23
1953	428	119	309	425	3
1954	428	67	361	416	12
1955	484	42	442	459	25
1956	426	15	411	411	15

Margarine.

Number of Manufacturers ...	...	...	...	—
Number of Wholesale Dealers ...	...	...	...	18
Number of Premises Registered ...	...	...	...	18

Butter.

There are 3 factories registered for the manufacture of butter.

Public Houses and Hotels.

Number Registered ...	...	...	...	100
Number of Inspections ...	...	...	...	154

A survey has been made of all licensed premises during the year with representatives of the various Brewery Companies. Following this, reports were sent concerning each premises, enumerating the work required so that the requirements of the Food Hygiene Regulations would be complied with. A ready response has been made, and the requirements necessary are in progress.

Snack Bars.

Number Registered ...	...	...	...	19
Number of Inspections ...	...	...	...	120

Cafes.

Number Registered ...	...	...	...	31
Number of Inspections ...	...	...	...	141

All Snack Bars and Cafes have been regularly inspected and the proprietors when requested to carry out improvements have co-operated.

Fish Friers.

Number on Register ...	...	...	...	110
Number of Inspections made ...	...	...	...	288
Number of letters sent re minor contraventions, alterations to premises, etc. ...	...	...	...	130

This trade is now registered under Section 16, Food and Drugs Act, 1955.

Hotel Kitchens.

Number Registered	10
Number of Inspections	12

Food Shops.

These are regularly inspected, and 1,900 inspections have been made apart from food premises already reported under the various sections. In the main these refer to small General Dealers' premises of which there are 358 in the Borough.

In the majority of cases a ready response has been made to the requirements of the Food Hygiene Regulations, and the position is constantly under review.

School Kitchens and Dining Halls.

Number of School Kitchens	19
Number of Dining Halls	62
Inspections made	81

A survey has been made of all kitchens and dining halls and a report submitted regarding the provisions of the Food Hygiene Regulations.

Ready co-operation has been given in all matters requiring attention.

Works Canteens.

Number Recorded	23
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The Works Canteens are periodically inspected and are maintained in a reasonably satisfactory condition. The majority are maintained by Industrial Catering Establishments.

Whenever minor improvements or suggestions for improving the service have been made, every co-operation has been given by those responsible.

MAGISTERIAL PROCEEDINGS.

No. of Case.	COMPLAINT.	RESULT.
1.	Failing to comply with Court Order to abate Nuisances under Public Health Act.	Fined £5 0s. 0d. for non-compliance. Order made for work to be completed within 14 days after which Defendant would become liable to a continuing penalty of £1 0s. 0d. for each day during which default exists.
2.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a Fruit Malt Loaf containing a Drawing Pin."	Fined £1 0s. 0d.
3.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a Steak and Kidney Pie containing an Earwig."	Case dismissed.
4.	Contravening Shops Act, 1950; (i) Section 47: (Sunday Trading). (ii) Section 50: (Non-Exhibition of Sunday Trading Notices).	(i) Fined £1 0s. 0d. (ii) Discharged absolutely on payment of costs (4/0).
5.	Contravening Shops Act, 1950; Section 47: (Sunday Trading).	Fined £1 0s. 0d.
6.	Failing to comply with Court Order to abate Nuisances under Public Health Act.	Case withdrawn, work having been satisfactorily completed.
7.	Failing to comply with Cleansing Order under Public Health Act, 1936; Section 83.	Fined £3 0s. 0d. and ordered to comply with the terms of the Order within 14 days.
8.	Failing to comply with Public Health Act Notice to abate Nuisances.	Case withdrawn on payment of costs (8/6), work having been satisfactorily completed.
9.	(i) Contravening Merchandise Marks (Imported Goods) No. 4 Order, 1929; and Merchandise Marks Acts, 1926; Section 5: "Exposing for sale Raw Tomatoes which did not bear the prescribed indication of origin." (ii) Contravening Merchandise Marks (Imported Goods) No. 3 Order, 1928; and Merchandise Marks Act, 1926; Section 5: "Exposing for sale Fresh Apples which did not bear the prescribed indication of origin."	Defendant discharged on payment of costs.

No. of Case.	COMPLAINT.	RESULT.
10.	Failing to comply with Public Health Act Notice to abate Nuisances.	Case withdrawn on payment of costs (8/6), work having been satisfactorily completed.
11.	do.	do.
12.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a Loaf of Bread containing Oil."	Defendants discharged absolutely on payment of costs (4/0).
13.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a bottle of Milk containing a large piece of Glass."	Case dismissed.
14.	Contravening Food Hygiene Regulations, 1955:— (i) Regulation 9 (a): (Cleanliness of Person). (ii) Regulation 8: (Protection of Food from contamination). (iii) Regulation 6(1): (Cleanliness of articles and equipment). (iv) Regulation 23(1): Cleanliness of premises against risk of infestation by Rats, Mice and Insects.	(i) Case dismissed. (ii) Fined £1 0s. 0d. (iii) Fined £1 0s. 0d. (iv) Fined £1 0s. 0d.
15.	Failing to comply with Public Health Act Notice to abate Nuisances.	Case withdrawn on payment of costs (8/6), work having been satisfactorily completed.
16.	Contravening Public Health Act, 1936; Section 154: "Giving a Balloon to a person under the age of 14 years in exchange for Rags."	Fined £1 0s. 0d.
17.	Failing to comply with Public Health Act Notice to abate Nuisances.	Ordered to carry out work within 14 days. (Costs (8/6) paid).
18.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a Teacake containing a piece of wire."	Fined £2 0s. 0d.
19.	Failing to comply with Public Health Act Notice to abate Nuisances.	Case withdrawn, work having been satisfactorily completed.
20.	Contravening Public Health Act, 1936; Section 154: "Giving a Balloon on a stick to a person under the age of 14 years in exchange for Rags."	Fined £2 0s. 0d.
21.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a bottle of Limeade Mineral Water not of the substance demanded."	Fined £2 0s. 0d.

No. of Case.	COMPLAINT.	RESULT.
22.	Contravening Food Hygiene Regulations, 1955; Regulation 26(1)(a): "Name and address not exhibited on stall."	Fined 10s. 0d.
23.	do.	Fined 10s. 0d.
24.	Contravening Food Hygiene Regulations, 1955:— (i) Regulations 26(1) (a): "Name and address not exhibited on stall." (ii) Regulation 27(1) (a): "Absence of adequate protection from contaminating substances."	(i) Fined 10s. 0d. (ii) Fined 10s. 0d.
25.	Contravening Food Standards (Ice-Cream) Order, 1953: "Selling Ice-Cream containing 3.8% of Fat."	Fined £10 0s. 0d. and ordered to pay £5 5s. 0d. towards costs of prosecution.
26.	Contravening Food Hygiene Regulations, 1955: (i) Regulation 28(1) (c): "Absence of suitable and sufficient sinks for washing food and equipment." (ii) Regulation 28(1) (a): "Absence of adequate supply of clean and wholesome water."	(i) Fined 10s. 0d. (ii) Fined 10s. 0d.
27.	Contravening Food Hygiene Regulations, 1955; Regulation 9 (e): "Smoking a cigarette while in a room in which there was open food."	Defendant found Guilty, but was granted an absolute discharge on payment of costs (4/0).
28.	Contravening Merchandise Marks Act, 1926; Section 5; and Merchandise Marks (Imported Goods) No. 4 Order, 1929: "Exposing for sale Raw Tomatoes which did not bear prescribed indication of origin."	Fined £1 0s. 0d.
29.	Contravening Shops Act, 1950; Section 47: (Sunday Trading).	Fined £2 0s. 0d.
30.	do.	Fined £2 0s. 0d.
31.	Contravening Shops Act, 1950; (i) Section 47: (Sunday Trading). (ii) Section 50: (Non-Exhibition of Sunday Trading Notices).	(i) Fined £2 0s. 0d. (ii) Fined £1 0s. 0d.

No. of	COMPLAINT.	RESULT.
32.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a Bread Bun containing a piece of Cotton Material."	Fined £2 0s. 0d.
33.	Contravening Food Hygiene Regulations, 1955; Regulation 30: "Carrying side of Beef without wearing washable head covering."	Fined £2 0s. 0d.
34.	Contravening Food Hygiene Regulations, 1955; Regulations 5 and 32(3): "Keeping of Food Shop in an insanitary condition."	Fined £2 0s. 0d.
35.	Failing to comply with Public Health Act Notice to abate Nuisance.	Ordered to carry out work within 28 days and to pay costs (8/6).
36.	Contravening Food and Drugs Act, 1955; Section 2: "Selling Buttered Teacakes, the Butter being adulterated with 90% Margarine."	Fined £2 0s. 0d.
37.	Contravening Food and Drugs Act, 1955; Section 2: "Selling Buttered Teacakes, the Butter being adulterated with 80% Margarine."	Fined £2 0s. 0d.
38.	Contravening Merchandise Marks Act, 1926; Section 5; and Merchandise Marks (Imported Goods) No. 4 Order, 1929: "Exposing for sale Raw Tomatoes which did not bear the prescribed indication of origin."	Fined £1 0s. 0d.
39.	Contravening Food Hygiene Regulations, 1955; Regulation 26(1) (a): (Name and address not exhibited on stall).	Fined £1 0s. 0d.

**STATISTICAL
TABLES**



TABLE II.
NOTIFICATIONS OF INFECTIOUS DISEASES IN 1956, ARRANGED ACCORDING TO AGE GROUPS.

Notifiable Disease	At All Ages		Number of Cases Notified														
	0—		1—		3—		5—		10—		15—		25—		45—		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Food Poisoning	10	9	1	2	—	—	1	2	—	—	1	1	—	—	—	—	3
Diphtheria	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—
Scarlatina	51	54	10	8	13	11	21	25	2	8	5	2	—	—	—	—	—
Measles (excluding Rubella)	1058	1120	242	266	436	422	314	363	4	4	4	2	—	—	—	—	—
Whooping Cough	194	221	52	39	50	59	67	94	2	1	1	2	—	—	—	—	—
Chicken-Pox	590	601	75	80	131	139	343	315	22	31	3	5	4	4	—	—	1
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis	10	12	1	—	2	2	2	5	2	4	—	—	—	—	—	—	—
Non Para Paralytic	4	3	1	1	1	2	—	—	1	1	—	—	—	—	—	—	—
Dysentery	159	154	34	26	22	29	38	29	8	3	3	12	19	25	20	17	—
Puerperal Pyrexia	—	36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	3	3	1	1	—	—	1	—	—	—	—	—	—	—	—	—	—
Erysipelas	5	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Primary Pneumonia	42	53	5	5	7	6	3	5	—	1	—	1	—	—	5	2	2
Influenzal Pneumonia	7	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary Tuberculosis	95	70	1	1	3	1	5	5	3	6	13	20	28	24	42	10	—
Other Tuberculosis.. .. .	4	8	—	—	1	1	—	1	—	—	2	4	1	—	1	—	—
Total	2235	2358	118	141	421	431	798	844	45	59	30	63	62	93	95	54	—

TABLE III.

Annual Return of Food Poisoning Notifications (Corrected).

1. LOCAL AUTHORITY: Middlesbrough County Borough, Year: 1956.

2. FOOD POISONING NOTIFICATIONS (CORRECTED) RETURNED TO REGISTRAR GENERAL.

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
6	4	5	4	19

3. OUTBREAKS DUE TO IDENTIFIED AGENTS.

Total Outbreaks: Nil.	Total Cases: Nil.
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4. OUTBREAKS OF UNDISCOVERED CAUSE.

Total Outbreaks: Nil.	Total Cases: Nil.
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5. SINGLE CASES.

Agent identified.	
Salmonella Typhi Murium	Salmonella Dublin
6	1
Salmonella Heidelberg	Unknown Causes
2	10
Total 19.	

TABLE IV.
Deaths Registered in the Borough during 1956 Classified according to ages.

CAUSE OF DEATH	AGES AT DEATH															Deaths in Public Institutions				
	At all ages	under one year	1 and under 2 yrs.	2 and under 3 yrs.	3 and under 4 yrs.	4 and under 5 yrs.	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 yrs. and over					
All Causes Certified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uncertified	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis Resp.	M. 7	F. 3	10	—	1	—	—	—	—	—	—	—	3	2	2	2	2	2	2	2
" Other	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Syphilitic Disease	2	—	2	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	2
Diphtheria	1	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
Meningococcal Infections	1	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Infective and Parasitic Diseases	3	4	7	—	—	—	—	—	—	—	—	—	—	1	2	4	6	6	6	6
Malignant Neoplasm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
" Stomach	33	37	70	—	—	—	—	—	—	—	—	—	1	4	8	13	44	31	31	31
" Lung, Bronchus.	44	17	61	—	—	—	—	—	—	—	—	—	1	1	9	21	29	33	33	33
" Breast	—	29	29	—	—	—	—	—	—	—	—	—	2	2	8	1	16	12	12	12
" Uterus	—	7	7	—	—	—	—	—	—	—	—	—	—	—	3	3	1	3	3	3
Other Malignant and Lymphatic Neoplasms	77	54	131	2	—	—	—	1	—	—	3	3	5	14	27	76	65	65	65	65
{ Leukaemia	3	9	12	—	1	—	—	—	2	—	—	—	1	1	4	3	8	8	8	8
{ Aleukaemia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes	2	3	5	—	—	—	—	—	1	—	—	—	—	—	—	—	4	3	3	3
Vascular Lesions of Nervous System	117	121	238	4	—	—	—	—	—	1	—	3	7	13	25	185	152	152	152	152
{ Coronary Disease	125	65	190	—	—	—	—	—	—	—	—	—	5	34	44	107	51	51	51	51
{ Angina	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hypertension with Heart Disease	26	31	57	—	—	—	—	—	—	—	—	—	2	4	9	42	16	16	16	16
Other Heart Disease	137	135	272	2	—	—	—	1	—	1	1	6	8	18	27	208	121	121	121	121
Other Circulatory Disease	66	62	128	—	—	—	—	—	—	—	1	—	2	2	23	100	46	46	46	46
Influenza	4	4	8	—	—	—	—	—	—	—	—	—	—	1	1	6	4	4	4	4
Pneumonia	76	38	114	25	—	—	—	1	—	1	2	1	5	9	8	61	62	62	62	62
Bronchitis	65	29	94	6	—	—	—	1	—	—	—	—	1	13	16	57	20	20	20	20
Other Diseases of Respiratory System	10	10	20	4	1	—	—	—	—	1	—	—	1	2	4	3	4	8	8	8
Ulcer of Stomach and Duodenum	18	5	23	—	—	—	—	—	—	—	1	—	—	4	5	13	19	19	19	19
Gastritis, Enteritis and Diarrhoea	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	3	1	1	1	1
Nephritis and Nephrosis	10	13	23	—	—	—	—	—	—	1	3	1	1	6	1	10	16	16	16	16
Hyperplasia of Prostate	14	—	14	—	—	—	—	—	—	—	—	—	—	—	1	13	12	12	12	12
Pregnancy, Childbirth, Abortion	—	3	3	—	—	—	—	—	—	—	—	—	1	2	—	—	2	2	2	2
Congenital Malformations	15	12	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Defined and Ill-defined Diseases	118	117	235	93	1	1	—	1	—	2	1	—	2	5	12	22	95	186	186	186
Motor Vehicle Accidents	20	5	25	1	—	2	2	2	—	1	2	—	3	4	3	5	17	17	17	17
All Other Accidents	48	29	77	12	1	2	—	3	—	—	—	—	4	7	8	7	24	55	55	55
Suicide	9	3	12	—	—	—	—	—	—	—	—	—	1	1	5	2	3	5	5	5
Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1053	849	1903	175	5	5	3	9	8	8	7	15	33	64	183	273	1115	984	984	984

TABLE IVa.
Deaths of Middlesbrough Residents Registered outside the Borough during 1956.

CAUSE OF DEATH	AGES AT DEATH															Deaths in Public Institutions	
	At all ages	under one year	1 and under 2 yrs.	2 and under 3 yrs.	3 and under 4 yrs.	4 and under 5 yrs.	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 yrs. and over		
All Causes Certified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uncertified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis Resp.	M. 13	F. 2	15	—	—	—	—	—	—	—	—	1	2	4	3	5	15
Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilitic Disease	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Infective and Parasitic Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malignant Neoplasm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
" Stomach	12	2	14	—	—	—	—	—	—	—	—	—	7	4	3	13	5
" Lung, Bronchus.	7	—	7	—	—	—	—	—	—	—	—	1	1	2	3	5	1
" Breast	—	1	1	—	—	—	—	—	—	—	—	—	1	—	—	1	—
" Uterus	—	1	1	—	—	—	—	—	—	—	—	—	—	1	—	1	—
Other Malignant and Lymphatic Neoplasms	14	14	28	—	—	—	—	—	—	—	1	1	3	10	13	27	—
Leukaemia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aleukaemia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vascular Lesions of Nervous System	7	8	15	—	—	—	—	—	—	—	1	—	1	2	4	7	13
Coronary Disease	10	3	13	—	—	—	—	—	—	—	—	1	—	1	7	4	8
Angina	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hypertension with Heart Disease	1	2	3	—	—	—	—	—	—	—	—	—	—	—	2	1	2
Other Heart Disease	8	8	16	—	—	—	—	—	—	—	—	—	1	2	3	10	12
Other Circulatory Disease	4	4	8	—	—	—	—	—	—	—	—	—	1	—	7	6	6
Influenza	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia	4	4	8	1	—	—	—	—	—	—	—	—	—	—	1	6	7
Bronchitis	3	1	4	—	—	—	—	—	—	—	—	—	—	1	2	1	3
Other Diseases of Respiratory System	3	3	6	—	—	—	—	—	—	—	—	2	—	1	3	6	1
Ulcer of Stomach and Duodenum	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gastritis, Enteritis and Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nephritis and Nephrosis	2	—	2	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Hyperplasia of Prostate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pregnancy, Childbirth, Abortion	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congenital Malformations	—	2	2	1	—	—	—	1	—	—	—	—	—	—	—	—	2
Other Defined and Ill-defined Diseases	21	18	39	6	1	—	—	1	—	—	1	5	1	9	15	32	3
Motor Vehicle Accidents	2	1	3	—	—	—	—	—	—	2	—	1	—	—	—	—	9
All Other Accidents	6	3	9	—	—	—	—	—	—	—	2	1	—	—	—	—	—
Suicide	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	118	77	195	8	1	—	—	2	—	2	4	5	13	26	52	82	168

TABLE V.

INFANTILE MORTALITY — 1956.

Registered Deaths from Stated Causes at Various Ages under 1 year—

CAUSE OF DEATH	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks Neonatal	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total Deaths under 1 year
Smallpox	—	—	—	—	—	—	—	—	—	—
Chickenpox	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	1	—	—	—	1
Diphtheria & Croup	—	—	—	—	—	—	—	—	—	—
Erysipelas	—	—	—	—	—	—	—	—	—	—
Tuberculosis										
Meningitis	—	—	—	—	—	—	—	—	—	—
Abdominal										
Tuberculosis	—	—	—	—	—	—	—	—	—	—
Other Tuberculosis										
Meningitis	—	—	—	—	—	—	—	—	—	—
Convulsions	—	—	—	—	—	—	—	—	—	—
Laryngitis	—	—	—	—	—	—	—	—	—	—
Bronchitis	—	—	1	—	1	2	2	1	—	6
Pneumonia	3	2	2	1	8	9	5	5	—	27
Influenza	—	—	—	—	—	—	—	—	—	—
Gastro Enteritis										
Syphilis	—	—	—	—	—	—	—	—	—	—
Rickets	—	—	—	—	—	—	—	—	—	—
Suffocation	2	—	1	—	3	3	1	—	1	8
Injury at Birth	16	1	1	—	18	—	—	—	—	18
Atelectasis	4	—	—	—	4	—	—	—	—	4
Congenital										
Malformation	12	3	2	2	19	4	2	1	—	26
Premature Birth	56	—	—	1	57	4	—	—	—	61
Asphyxia,										
Regurgitation	—	—	—	—	—	4	1	—	—	5
Intussusception	—	—	—	—	—	—	—	1	—	1
Haemorrhagic										
Disease	3	—	—	—	3	—	—	—	—	3
Other Causes	3	—	2	1	6	—	2	1	1	10
Haemolytic Disease										
	5	—	—	—	5	—	—	—	—	5
	104	6	9	5	124	27	13	9	2	175

TABLE VI.—PREMATURE BIRTHS.
Return for year ended 31st December, 1956.

1. No. of premature live-births notified [as adjusted by transferred notifications]

(a) in hospital	139
(b) at home	107
(c) in private nursing homes	6
Total	252

Weight at Birth	PREMATURE LIVE BIRTHS														
	Born in Hospital			Born at home and nursed entirely at home			Born at home and transferred to hospital on or before 28th day			Born in nursing home and nursed entirely there			Born in nursing home and transferred to hospital on or before 28th day		
	Total (2)	Died within 24 hrs. of birth (3)	Survived 28 days (4)	Total (5)	Died within 24 hrs. of birth (6)	Survived 28 days (7)	Total (8)	Died within 24 hrs. of birth (9)	Survived 28 days (10)	Total (11)	Died within 24 hrs. of birth (12)	Survived 28 days (13)	Total (14)	Died within 24 hrs. of birth (15)	Survived 28 days (16)
3 lb. 4 oz. or less (1,500 gms. or less)	22	5	6	3	2	1	10	2	4	—	—	—	—	—	—
Over 3 lb. 4 oz. up to and including 4 lb. 6 oz. (1,500-2,000 gms.)	30	7	20	6	—	6	5	—	4	—	—	1	—	—	—
Over 4 lb. 6 oz. up to and including 4 lb. 15 oz. (2,000-2,250 gms.)	28	1	21	14	—	14	2	—	2	—	—	1	—	—	1
Over 4 lb. 15 oz. up to and including 5 lb. 8 oz. (2,250-2,500 gms.)	59	—	53	66	—	66	1	—	1	—	—	3	—	—	—
Total	139	13	100	89	2	87	18	2	11	5	—	5	1	—	1

TABLE VII.

Public Health (Tuberculosis) Regulations, 1952.

PART I.—Summary of notifications of Tuberculosis during the period from the 1st January, 1956, to the 31st December, 1956, in the County Borough.

Age Periods	Formal Notifications													
	Number of Primary Notifications of new cases of Tuberculosis													
	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	Total (all ages)
Respiratory, Males			4	5	3	3	10	10	18	15	17	8	2	95
Respiratory, Females ..	1	3	1	4	7	5	15	14	10	5	2	3		70
Non-Respiratory, Males ..						1	1	1		1				4
Non-Respiratory, Females ..			2	1	1	2	1	1						8

PART II.—New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification.

Source of Information	Number of Cases in Age Groups														
	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	Total	
Death Returns from Local Registrars	Respiratory	M	-	-	-	-	-	-	-	1	-	-	-	-	1 (A)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(B)
	Non-Respiratory	M	-	-	-	-	-	-	-	-	-	1	-	-	1 (C)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(D)
Death Returns from Registrar General (Transferable deaths)	Respiratory	M	-	-	-	-	-	-	-	-	-	-	-	-	(A)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(B)
	Non-Respiratory	M	-	-	-	-	-	-	-	-	-	-	-	-	(C)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(D)
Posthumous Notifications	Respiratory	M	-	-	-	-	-	-	-	-	-	-	-	-	(A)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(B)
	Non-Respiratory	M	-	-	-	-	-	-	-	-	-	-	-	-	(C)
		F	-	-	-	-	-	-	-	-	-	-	-	-	(D)
TOTALS														(A)	1
														(B)	
														(C)	1
														(D)	

TABLE VIII.**Cancer.**

DEATH RATES PER 1,000.

Year		Middlesbrough	England & Wales
1941	...	1.74	1.78
1942	...	1.75	1.83
1943	...	1.86	1.98
1944	...	1.49	1.89
1945	...	1.68	1.94
1946	...	1.86	1.84
1947	...	1.92	1.85
1948	...	1.61	1.85
1949	...	1.71	1.87
1950	...	2.06	1.89
1951	...	1.67	1.96
1952	...	1.66	1.67
1953	...	1.91	1.99
1954	...	1.69	2.03
1955	...	1.72	2.05
1956	...	1.95	2.07

TABLE IX.**Deaths from Cancer.**

AGE DISTRIBUTION.

Ages		Male	Female	Total
1 to 5 years	...	—	1	1
5 to 45 years	...	10	13	23
45 to 65 years	...	74	48	122
65 and over	...	81	66	147
Total	...	<u>165</u>	<u>128</u>	<u>293</u>

COMPARATIVE STATISTICS FOR 1938—1956.

TABLE X.

YEAR	EST. Population	LIVE BIRTHS		STILL BIRTHS		DEATHS		INFANT DEATHS			MATERNAL DEATHS			
		Number per 1,000 Est. pop'n	Rate per 1,000 Total Births	Number	Rate per 1,000 Total Births	Number per 1,000 Est. Pop'n	Under 4 Weeks	4 Weeks 12 Months	TOTAL	Rate per 1,000 Live Births	Sepsis	Other	Total	Rate per 1,000 Total Births
1938	139,800	2,765	19.80	109	37.90	1,721	12.31	115	85	200	6	6	12	4.20
1939	139,900	2,583	18.50	134	49.30	1,828	13.06	75	119	194	4	8	12	4.40
1940	129,800	2,679	20.60	129	46.10	1,956	15.10	95	97	192	1	8	9	3.20
1941	126,100	2,642	20.90	95	35.20	1,896	15.00	65	134	199	—	5	5	1.80
1942	123,900	2,468	19.92	113	20.83	1,768	14.26	138	57	195	—	4	4	1.55
1943	122,400	2,538	20.73	79	21.38	1,724	14.08	83	83	166	—	8	8	2.67
1944	126,920	2,867	22.58	107	22.43	1,656	13.04	114	75	189	4	8	12	4.03
1945	128,620	2,691	20.92	95	34.10	1,634	12.70	130	85	215	1	5	6	2.22
1946	137,730	3,398	24.67	111	31.34	1,701	12.35	142	50	192	—	5	5	1.40
1947	140,460	3,631	25.85	111	29.40	1,793	12.77	117	115	232	—	3	3	0.55
1948	143,400	3,321	23.16	81	23.81	1,640	11.44	75	84	159	—	3	3	0.88
1949	145,050	3,077	21.21	62	19.75	1,752	12.08	93	64	157	—	2	2	0.64
1950	145,500	3,121	21.45	88	28.20	1,782	12.25	62	111	173	—	2	2	0.64
1951	146,600	3,073	20.95	71	22.58	1,723	11.75	61	48	109	—	2	2	0.63
1952	147,200	3,098	21.05	70	22.10	1,591	10.81	52	50	102	1	1	2	0.62
1953	147,900	3,165	21.40	84	25.85	1,714	11.59	62	53	115	—	2	2	0.65
1954	148,100	3,038	20.51	76	24.40	1,643	11.09	68	36	104	—	2	2	0.32
1955	148,700	3,085	20.74	99	32.09	1,707	11.47	62	41	103	—	1	1	0.32
1956	149,900	3,314	22.1	89	26.51	1,706	11.3	62	40	102	—	2	2	0.60

TABLE XI.
MENTAL DEFICIENCY ACTS, 1913—1938.

	Under age 16		Age 16 and over	
	M.	F.	M.	F.
1. Particulars of cases reported during 1956:				
(a) Cases ascertained to be defectives "subject to be dealt with": Number in which action taken on reports by:				
(1) Local Education Authorities on children:				
(i) While at school or liable to attend school	8	2	—	—
(ii) On leaving special schools	—	—	7	3
(iii) On leaving ordinary schools	—	—	—	—
(2) Police or by Courts	—	—	1	1
(3) Other sources	1	2	1	—
TOTAL of 1 (a)	9	4	9	4
(b) Cases reported who were found to be defectives but were not regarded as "subject to be dealt with" on any ground	—	—	7	2
(c) Cases reported who were not regarded as defectives and are thus excluded from (a) or (b)	—	—	—	—
(d) Cases reported in which action was incomplete at 31st December 1956, and are thus excluded from (a) or (b)	—	—	—	—
TOTAL of 1 (a)–(d) inc.	9	4	16	6
2. Disposal of cases reported during 1956: (The total of 2 (a), (b) and (c) must agree with that of 1 (a) and (b) above)				
(a) Of the cases ascertained to be defectives "subject to be dealt with" (i.e. at 1 (a)), number:				
(i) Placed under Statutory Supervision	7	4	9	4
(ii) Placed under Guardianship	—	—	—	—
(iii) Taken to "Places of Safety"	—	—	—	—
(iv) Admitted to Hospitals	2	—	—	—
TOTAL of 2 (a)	9	4	9	4
(b) Of the cases not ascertained to be defectives "subject to be dealt with" (i.e. at 1 (b)), number:				
(i) Placed under Voluntary Supervision	—	—	7	2
(ii) Action unnecessary	—	—	—	—
TOTAL of 2 (b)	—	—	7	2
(c) Cases reported at 1 (a) or (b) above who removed from the area or died before disposal was arranged	—	—	—	—
TOTAL of 2 (a)–(c) inc.	9	4	16	6
3. Number of mental defectives for whom care was arranged by the local health authority under Circular 5/52 during 1956 and admitted to:				
(a) National Health Service hospitals	5	—	1	1
(b) Elsewhere	—	—	—	—
TOTAL	5	—	1	1

	Under age 16		Aged 16 and over	
	M.	F.	M.	F.
4. Total cases on Authority's Registers at 31/12/56:				
(i) Under Statutory Supervision	46	25	97	82
(ii) Under Guardianship	—	—	—	1
(iii) In "Places of Safety"	—	—	—	—
(iv) In Hospitals	20	15	121	82
TOTAL of 4 (i)-(iv) inc.	66	40	218	165
(v) Under Voluntary Supervision	—	—	15	21
TOTAL of 4 (i)-(v) inc.	66	40	233	186
5. Number of defectives under Guardianship on 31st December 1956, who were dealt with under the provisions of Section 8 or 9, Mental Deficiency Act 1913 (included in 4 (ii))	—	—	—	1
6. Classification of defectives in the Community on 31/12/56 (according to need at that date):				
(a) Cases included in 4 (i)-(iii) in need of hospital care and reported accordingly to the hospital authority:				
(1) In urgent need of hospital care:				
(i) "cot and chair" cases	3	—	—	—
(ii) ambulant low-grade cases	7	—	1	—
(iii) medium-grade cases	2	1	2	1
(iv) high-grade cases	—	—	2	—
TOTAL urgent cases	12	1	5	1
(2) Not in urgent need of hospital care:				
(i) "cot and chair" cases	2	1	2	1
(ii) ambulant low-grade cases	8	1	3	—
(iii) medium-grade cases	3	—	5	4
(iv) high-grade cases	1	—	4	2
TOTAL non-urgent cases	14	2	14	7
TOTAL of URGENT and NON-URGENT CASES	26	3	19	8
(b) Of the cases included in items 4 (i), (ii) and (v), number considered suitable for:				
(i) occupation centre	28	13	4	11
(ii) industrial centre	—	—	8	—
(iii) home training	—	—	—	—
TOTAL of 6 (b)	28	13	12	11
(c) Of the cases included in 6 (b) number receiving training on 31/12/56:				
(i) In occupation centre (inc. voluntary centres)	28	13	4	11
(ii) In industrial centre	—	—	8	—
(iii) From a home teacher in groups	—	—	—	—
(iv) From a home teacher at home (not in groups)	—	—	—	—
TOTAL of 6 (c)	28	13	12	11