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# COUNTY BOROUGH OF MIDDLESBROUGH



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# ANNUAL REPORT

# OF THE

# Medical Officer of Health

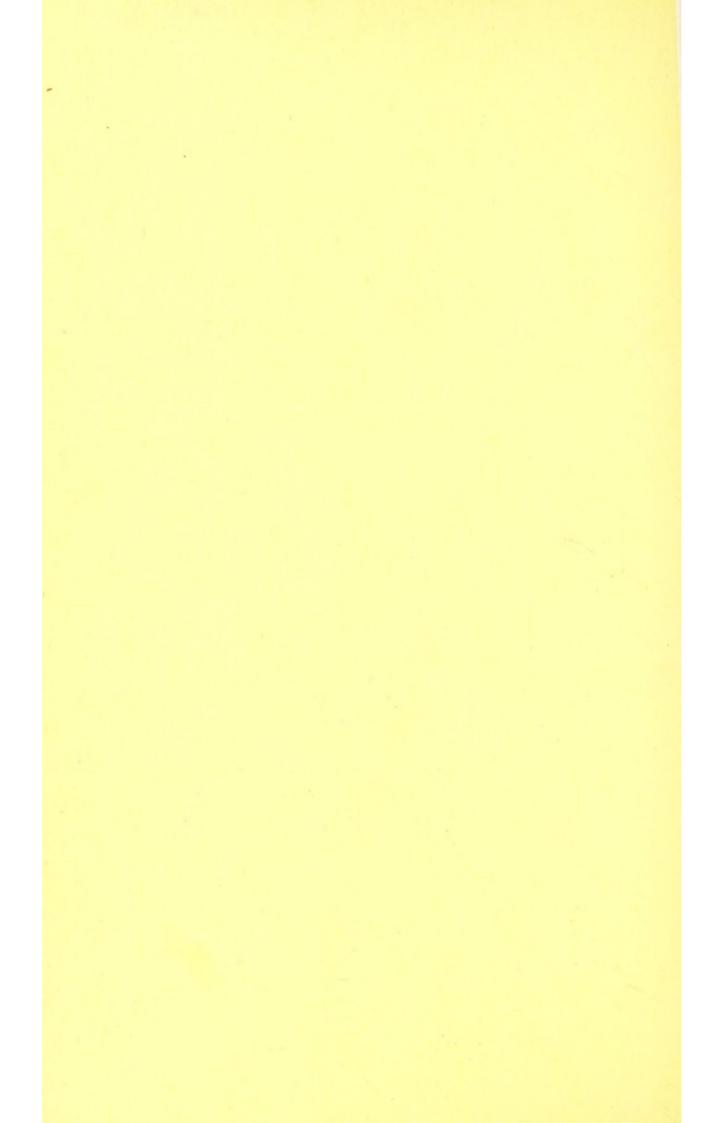
FOR THE YEAR

1957

# ERIC C. DOWNER

M.A., D.P.H.

JORDISON & CO. LTD. PRINTERS, MIDDLESBROUGH.



# COUNTY BOROUGH OF MIDDLESBROUGH

Ack d by P.C. 17.6.58 mBg



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# Medical Officer of Health

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# ERIC C. DOWNER

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# 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 1957.

The most important things, from the point of view of Public Health, that occurred in Middlesbrough during the year were, firstly the vast epidemic of influenza which struck the population in August and September in particular and which gradually died away in October and November, and secondly the replacement in one section of St. Hilda's Ward of a thoroughly undesirable slum area by pleasant flats and maisonettes in which many people have been housed or re-housed.

Your Health Department has done its work with continued difficulty as regards shortage of staff in certain branches, on which the Committee has been regularly advised.

The Department was the subject of an investigation by a Working Party or Special Sub-Committee set up by the Health Committee early in the year. This Body completed their investigations towards the end of March and a report was made to the parent Committee.

There were signs towards the end of the year that the staffing position might possibly improve in the near future. A new Senior Assistant for Maternity and Child Welfare had been appointed, three trainee Health Visitors had been recruited, and while the shortage of midwives was still acute, other measures taken by the Authority—such as the provision of a service of cars to convey midwives, the establishment of a Night Rota and the prospect of more generous car allowances to certain midwives—made their working conditions considerably easier.

We are, however, still hampered by the shortage of maternity beds in the local maternity hospital and there is no immediate prospect of the alleviation of that position.

Particularly in view of the strains and stresses of 1957 I wish to record my confidence in the fidelity and loyalty of the staff of the Health Department. I have had very great reason to commend their loyalty and I submit them to the Authority as being thoroughly deserving of its confidence and support. The Department suffered a considerable loss by the resignation of Miss M. R. White, Superintendent Health Visitor, an able and indefatiguable worker. Particularly in organisation and in teaching, this lady was pre-eminent and she represented the health visiting service and the Department with dignity when she went away on the Authority's business. She takes with her into her semi-retirement our thanks and our good wishes.

The Department heard, with great regret, of the passing away at an advanced age of Alderman Mrs. H. M. Guthrie, J.P., who had for many years given energetic service to the town, particularly in the sphere of Maternity and Child Welfare. She took the keenest interest in the work of that section of the Department and of the Davison Home, Danby, to the last.

The Department lost in the week before Easter, tragically in a motor accident, its Senior Assistant for Maternity and Child Welfare, Dr. Madeline Goldston. Dr. Goldston was a fine obstetrician and a very experienced anæsthetist in obstetrical cases. Professionally, she was very keen on her work and she never failed to attend professional meetings where she could refresh her stock of knowledge and increase her experience. We wish her pleasant rest, after labour.

Up to almost the end of the year the post remained vacant, but a new appointment was made in December.

I am happy to report an increase in the friendly liaison and co-operation between the Health Department and the general practitioners practising in the town. There is a very much increased realisation of how the Department can help general practitioners and the patients under their care and the heavy incidence of sickness in the latter half of the year has provided us with many opportunities for close co-operation and has resulted in even greater understanding of each other's work and difficulties.

We have also had considerable help from the hospital and Consultant's side and I would particularly attract your attention to the great help given to us in the hospitalisation of old people by Dr. Robb, Consultant Geriatrician, in spite of his own ill-health.

We are slowly but surely going a long way to forget the tri-partite division of the National Health Service and to remember that we all follow the same aim, the enhancement and improvement of the health of the public of Middlesbrough.

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, 1957.

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

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

Alderman J. G. Boothby Alderman Mrs. L. Burton Alderman E. A. Dickinson

Alderman Mrs. H. Guthrie, J.P.

Alderman F. C. Pette, J.P. Alderman B. Ramsey Alderman W. Randall Councillor W. H. Adams Councillor Mrs. E. Berry Councillor J. A. Brown J.P. Councillor Mrs. G. R. Cox Councillor Mrs. G. R. Cox Councillor Mrs. M. A. Daniel Councillor Mrs. M. A. Daniel Councillor W. Eckert Councillor Mrs. E. A. Gaunt Councillor A. Gibson Councillor N. S. Goldie Councillor Mrs. M. B. Goodman Councillor Mrs. R. M. Haston Councillor R. H. Huggins Councillor L. Knott Councillor Mrs. M. McMillan Councillor P. J. McGlone Councillor F. Morton Councillor J. P. Newhouse Councillor N. Peters Councillor H. Pinder Councillor R. W. Porter Councillor W. J. Story Councillor E. Valentine Councillor Mrs. A. Wain Councillor J. Wilson.

### with the following CO-OPTED MEMBERS :-

Dr. R. C. B. Arthur Dr. H. G. Williams Mrs. R. Valentine Mr. R. C. Carter Mr. A. Denton Mr. R. H. Evans Mr. H. French Mr. C. W. L. Heaton Mr. T. Rhoden Mr. H. Skerry Mr. A. Shaw.

# STAFF OF THE HEALTH DEPARTMENT, 1957.

Medical Officer of Health and Chief Medical Adviser :-Eric C. Downer, M.A., D.P.H.

Senior 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. Couts, M.D., Ch.B., D.P.H.

# Assistant Medical Officers of Health for Maternity and Child Welfare :--

\*Elizabeth Webster, M.B., B.S.
\*Mary Cooper, M.B., B.S.
\*H. K. Geiser, M.R.C.O.G.
\*E. M. MacGill
\*M. Baillie (To 27.6.57.)
\*H. L. Simon (From 21.5.57.)
\*J. Whewell (From 13.11.57.)

Superintendent Health Visitor :--

M. R. White, S.R.N., R.S.C.N., S.C.M., H.V.CERT. (To 10.8.57.) R. Sutcliffe, S.R.N., S.C.M., H.V.CERT. (From 12.8.57.)

## Deputy Superintendent Health Visitor :---

R. Sutcliffe, S.R.N., S.C.M., H.V.CERT. (To 11.8.57.)

#### Health Visitors :--

\*E. A. Clarke, S.R.N., R.F.N., C.M.B. (Part 1) H.V.CERT.

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

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

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

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

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

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

K. A. McNamara, S.R.N., C.M.B. (Part 1), H.V.CERT. (To 30.6.57.)

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

D. Norman, S.R.N., S.C.M., H.V.CERT. (To 31.5.57.)

G. Oliphant, S.R.N., S.C.M., H.V.CERT. (To 25.11.57.)

O. M. Robertshaw, S.R.N., C.M.B. (Part 1) H.V.CERT. (To 3.3.57.)

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

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

# Student Health Visitors :--

E. Brown, S.R.N., R.F.N., S.C.M., (From 16.9.57.)

D. Spencer, S.R.N., S.C.M. (From 16.9.57.)

K. D. McPartland, S.R.N., S.C.M. (From 28.9.57.)

#### Non-Medical Supervisor of Midwives :--

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

#### Municipal Midwives :--

J. Atkinson, S.R.N., C.M.B.

I. Banes, s.c.m.

M. Brown, S.C.M.

M. Bell, s.с.м. (То 31.12.57.)

P. M. Craig, N.N.E.B., S.R.N., S.C.M. (From 13.5.57.)

M. Fairbairn, s.с.м.

K. Golden, s.R.N., s.C.M., (From 27.9.57.)

M. Golding, S.R.N., S.C.M. (From 20.10.57.)

М. Guilietti, s.с.м., (To 26.2.57.)

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.

M. R. McDermott, S.R.N., S.C.M. (From 21.6.57.)

E. McIntosh, s.C.M.

C. McKinley, s.C.M.

K. D. McPartland, S.R.N., S.C.M. (To 27.9.57.)

B. A. O'Connell, S.R.N., S.C.M.

A. Oldham, s.c.m.

T. Poole, S.R.N., S.C.M.

F. M. Scott, S.C.M., S.E.A.N.

E. M. Smith, S.R.N., S.C.M. (To. 19.10.57.)

V. Smithson, S.C.M., S.E.A.N.

D. Spencer, S.R.N., S.C.M. (To 15.9.57.)

M. Stewart, S.E.A.N., S.C.M.

M. A. Tate, S.E.A.N., S.C.M. (To 14.12.57.)

K. M. Tiernan, S.R.N., S.C.M.

A. A. Townsend, s.c.m.

\*M. Abbott, s.с.м. (From 26.2.57.)

\*G. M. M. Newson, S.R.N., S.C.M., (From 13.5.57.)

\*P. Sheppard, s.R.N., s.C.M. (From 13.5.57.)

#### Public Health Nurses :--

\*A. F. Backhouse (From 14.10.57.)
M. Bainbridge, R.S.C.N. (To 15.4.57.)
G. Bennison, S.R.N., C.M.B. (Part 1)
C. A. Bregazzi, S.R.N., S.C.M.
P. Cashman, R.S.C.N. (From 1.8.57.)
M. M. Cunningham, S.R.N.
A. J. Dean, R.S.C.N. (To 19.10.57.)
M. Fawcett, R.S.C.N. (From 1.11.57.)
B. M. Heard, R.S.C.N. (From 18.3.57.)
V. Hodge, S.R.N., C.M.B. (Part 1)
J. Kraus, S.R.N., S.C.M.
M. Shields, S.R.N.
S. Taylor, R.S.C.N. (To 30.6.57.)

#### Welfare Centre Attendants :---

\*J. M. Craggs \*N. Highe F. E. Irwin V. Harbron (To 26.1.57.) E. Lenihan \*D. Wildon

### Tuberculosis Nurses :---

D. E. Hall, S.R.N. (To 31.12.57.)
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.

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#### Matrons, Day Nurseries :--

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

#### Matron, Davison Home, Danby :--

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

# Mental Welfare Officers :--

L. W. Sawdon (Duly Authorised Officer)

- S. P. Smith (Duly Authorised Officer) (From 18.2.57.)
- A. E. Johnson (Relief Duly Authorised Officer)

F. Gray (Supervisor, Occupation Centre)

G. Batterbee (Teacher of the Mentally Handicapped)

E. L. Croot (Teacher of the Mentally Handicapped) (From 1.4.57.)

\*D. M. Finlay (Teacher of the Mentally Handicapped) (To 25.1.57.)

M. I. Harbour (Teacher of the Mentally Handicapped)

M. Quayle (Teacher of the Mentally Handicapped)

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. M. Smith A. Barbour (From 1.8.57.) G. A. Bulmer L. Hall H. C. Ogle (To 19.6.57.) C. G. Thomas (To 30.11.57.)

# Clerks :---

R. W. Andrews (To 19.10.57.) T. Atkinson-(National Service) T. Brown (To 13.7.57.) E. Brumpton R. T. Carling (From 31.10.57.) J. Cooper O. Dickinson (To 30.9.57.) O. Grosvenor R. S. Harris E. A. Hunter B. Johnson (From 1.3.57.) C. R. Kennedy M. Lofthouse M. McNulty E. C. Morphet E. Nelson P. J. Pearson (To 26.1.57.) M. D. Westgarth (From 5.9.57.)

#### 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) inclu	uding 1	73 acro	es of tic	lal water		7,304
Estimated Population						151,000
Number of Inhabite				57)		44,024
Rateable value (31.					£1.4	477,978
Product of a penny						£6,226
Number of Live Bin	rths :—					
				Male	Female	Total
Legitimate				1,713	1,582	3,295
Illegitimate				85	101	186
Number of Still Bir	ths :					
Legitimate				53	36	89
Illegitimate				5	5	10
Deaths Registered	-					
Nett				949	774	1,723
Deaths from :						
Typhoid and						
Paratypho	id Feve	rs		-		-
Measles						-
Scarlet Fever					_	
Whooping Cou	ıgh			-		
Diphtheria				-	—	-
Influenza				7	8	15
Violence				61	30	91
Diarrhœa (und	ler 2 yea	ars)		4	1	4
Cancer				155	115	270
Heart Disease				300	230	530
Tuberculosis				21	12	33
Pneumonia				64	46	110
Pregnancy				-	4	4
Deaths (under 1 year	ar) :—					
Legitimate				60	62	122
Illegitimate				2	2	4
Total				62	64	126

			Ν	Aiddlesbrough	England & Wales
Live Births				23.05	16.1
(per 1,000	) popula	ation)			
Still Births (per 1,000	 D live an			27.65	22.4
Annual Death F	Rate per	1,000	popula	ution :	
All causes				11.4	11.5
Typhoid an	d Paraty	yphoid	Fever	s 0.00	0.00
Smallpox				0.00	0.00
Diphtheria				0.00	
Influenza				0.099	
Whooping	Cough			0.00	
Tuberculosi	s			0.21	0.11
Acute Polic Poliœn	myelitis cephalit			0.00	_
Pneumonia				0.7	
Maternal ca Due to abo	rtion			0.28	0.39
Total Mate	rnal Mo	ortality		1.12	0.47
Death rate of In	fants ur	nder or	ne year	of age :	
All infants	per 1,00	0 live l	oirths	36.2	23*
	ate live	births		37.03	_
Illegitimate illegitir	infants nate bir		,000	21.51	_
Comparative Ra	ites :				
Birth rate (I	ive birtl	hs)		23.05	15.4
Death Rate				11.4	13.4
Infant Mor	tality Ra	ate		36.2	23.0
Maternal N	fortality Per 1,00		 ed birt	1.12 hs	0.47
Area Comparab	ility Fac	ctors :-			
Births				0.95	
Deaths			12002	1.22	

Notifications-Rates pe	r 1,000	popul	ation :		
Typhoid Fever				 	0.00
Paratyphoid Fever				 	0.00
Meningococcal Inf	ection			 	0.02
Scarlet Fever				 	1.25
Whooping Cough				 	1.70
Diphtheria				 	0.00
Erysipelas				 	0.05
Smallpox				 	0.00
Measles				 	12.76
Pneumonia				 	1.04
Acute Poliomyelitis					
(including Policencep	halitis)				
Paralytic				 	0.11
Non-Paralytic				 	0.04
Food Poisoning				 	0.30
Rates per 1,000 Total E (Live and Still) :	Births				
Puerperal Pyrexia					12.07

# WARD STATISTICS.

Ward		No. of Cases of Infectious Disease per 1,000 population	Death Rate	Birth Rate	Infant Mortality Rate
Acklam		11.69	8.71	12.64	34
Ayresome		19.72	10.83	21.81	30
Cannon		43.08	11.44	39.79	31
Clairville		7.28	8.39	14.45	17
Cleveland		21.95	10.28	24.31	50
Crescent		16.23	18.17	16.86	23
Exchange		21.06	10.93	25.27	52
Gresham		18.03	11.98	16.84	31
Grove Hill		14.59	15.94	20.45	29
Linthorpe		12.59	11.11	13.04	
Newport		40.32	10.82	32.87	38
North Ormesby		19.25	11.23	19.97	31
Park		17.76	10.66	12.59	24
Thorntree		60.21	5.03	33.39	26
Follesby		12.06	7.77	15.67	8
St. Hilda's		58.07	10.49	30.41	34
Whinney Banks		19.98	9.33	19.62	24

# SECTION B

# CARE OF MOTHERS AND YOUNG CHILDREN

The Maternity and Child Welfare Section is under the day-today supervision of the Deputy Medical Officer of Health.

The Section suffered a severe loss through the tragic death in April of the Senior Assistant Medical Officer—Dr. Madeline Goldston. Her successor, Dr. Mark Sackwood, was appointed in December to commence duties on 1st January, 1958. Seven Assistant Medical Officers on a part-time or sessional basis were also employed during the year.

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 in School Health Service Work. By this means the experience of both is widened.

There was no change in the Ante-Natal Clinics during the year, seven Ante-Natal Clinics providing seven half-day sessions per week. Owing to the shortage of Health Visiting staff the number of Child Welfare Sessions had to be reduced during the year from 18 to 13 half-day sessions weekly. This was achieved by reducing the number of sessions at particular Centres where more than one session was held during the week. Thus, no Centre had to be closed down.

# ANTE-NATAL CARE

In accordance with the personal letter of the Ministry of Health issued on 25th May, 1956, enclosing a memorandum from the Central Health Services Council Standing Maternity and Midwifery Advisory Committee on Ante-Natal Care and its relation to toxæmia, a meeting was eventually arranged to take place on 8th February, 1957. Mr. R. M. Marshall, Chairman of the Medical Advisory Sub-Committee, Tees-side Hospital Management Committee, presided and the following were also present :---3 Consultant Obstetricians ; 2 Consultant Pædiatricians ; Medical Officer of Health of Middlesbrough and his Deputy colleague ; Medical Officer of Health, North Riding ; 2 representatives of the Health Department of Durham County Council ; a representative of the Durham Local Medical Committee ; 2 representatives of the North Riding L.M.C. ; 4 representatives of the Middlesbrough L.M.C. The Group Secretary of the Tees-side H.M.C. acted as Secretary.

Among matters discussed were :--

- (a) Admission Criteria—and in this connection the grave shortage of maternity beds in the Middlesbrough neighbourhood was emphasised.
- (b) General Medical Examination—This was fully discussed and several views were expressed on the necessity for X-ray of the chest of the pregnant mother and its repetition. The question of dental treatment was also gone into.
- (c) Obstetric Examination—The need for complete liaison between general practitioners and the local midwives was stressed. It was resolved in this connection that where the G.P. books a patient he should inform the Medical Officer of Health, who would inform the midwife. Equally where the midwife books the case she would inform the practitioner on whose list the patient was, and where cases were booked by the hospital, the hospital should inform both the general practitioner and the Medical Officer of Health.
- (d) **Blood testing**—The contents of the memorandum on this subject were agreed.
- (e) Ante-Natal Records—The recommendations of the Ministry's memorandum were agreed.
- (f) Health Education and preparation for Motherhood—It was felt that the Local Authority had more suitable places for such instruction and more time to give this instruction than Consultants and general practitioners, and that the chief responsibility for this rested on the Medical Officer of Health and his staff.
- (g) **Treatment facilities**—The grave shortage of beds was again referred to and it was ordained by the meeting that the Teesside Hospital Management Committee and the Regional Board should be made aware of the concern of the meeting. It was, further, resolved that a copy of the Minutes of the meeting be sent to both those Bodies.

Since that time no further discussions have taken place and it is regretted that the implementation of the Resolution under paragraph (c) has not taken place.

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

This Service, which was started in 1954 saw 174 expectant and nursing mothers and 54 children under five years of age. Examination and treatment when required were given.

Again it has to be reported that 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 :---

	Examined	Needing treatment	Treated	Made dentally fit.
Expectant and Nursing Mothers	174	174	145	177
Children under five	54	54	54	54

# A. Numbers provided with Dental Care.

# B. Forms of Dental Treatment Provided.

	Scalings	Fill-	Silver	Crowns	Extrac-	Canaral	Dentures provided		Dadia
	and Gum Treat- ment	ings	Nitrate Treat- ment	or Inlays	tions	General Anæs- thetic	Full Upper or Lower	Partial Upper or Lower	Radio- graphs
Expectant & Nursing Mothers	_	_	_		1,607	33	268	3	_
Children under five	_	_	_	_	108	54	_	_ '	_

# **MIDWIFERY SERVICE, 1957.**

The number of midwives employed during the year 1957 was 24. 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 emplo Authority including the Nor				
of Midwives				23
Maternity Hospital				24
Ardencaple Nursing Home				5
Number of deliveries attended	by midwiv	ves		2,233
Doctors' booked cases :				
As midwives				1,995
As maternity nurses				120
Unbooked cases (Medical Aid	Forms) :-			
As midwives				115
As maternity nurses	••			3
Number of Gas and Air Admi	nistrations	:		
As midwives				1,494
As maternity nurses			•••	123
Administrations of Pethidine :-				
As midwives				1,275
As maternity nurses				123
Booking Session attendances :-	_			
New patients				2,335
Re-attendances				6,176
Number of cases in which medi-		-		
Doctors' booked cases				312
Unbooked cases				85
Ante-natal visits to patients' ov	vn home			4,231
Number of patients who were a during labour, but who were in the Maternity Hospital	eventually	y deliver	ed	80
in the Materinty Hospital				00

# PUERPERAL PYREXIA.

There were 42 cases of Puerperal Pyrexia during the year, as compared with 36 in 1956. Of the 42 cases 17 were district cases and 25 institutional.

Causes of Pyrexia on the district :--

- 3 Breast Abscess
- 2 Influenza
- 1 Retained Products
- 2 Inflamed Breasts
- 1 Upper Respiratory Infection-
- 1 Engorged Breast
- 7 Causes unknown.

Causes of Pyrexia in Institutional cases :---

- 1 Upper Respiratory Infection
- 3 Anæmia
- **3** Lochiel Infection
- 1 Pelvic abscess
- 3 Pyelitis
- 1 Cystitis
- 2 Enterococcal Infection
- 2 Engorged Breasts
- 1 Phlebitis of Leg
- 3 Breast Abscess
- 5 Causes unknown.

# STILLBIRTHS.

There were 30 stillbirths on the district during the year, as compared with 22 in 1956.

The causes of these stillbirths were as follows :---

Α.	Maternal Health Factor 2 Rhesus incompatibility				2
B.	Obstetrical Complications 2 Ante-partum Hæmorrhage 5 Toxæmia 2 Prolapsed cord 1 Early separation of placen 2 Complicated breech delive 1 Delayed labour	ta durin	  g labo	ur	13
C.	Fœtal abnormalities 1 Hydrocephalus 1 Encephalocœle	••			2
D.	Undetermined factor				13

There were 160 stillbirths in Institutions during the year as compared with 140 in 1956. The causes of the stillbirths are shown as under—figures relating to Middlesbrough residents only being shown in brackets :—

A.	Maternal Health Factor (5) 10	
	(5) 8 Rhesus incompatibility	
	2 Diabetes	
B.	Obstetrical Complications	
	(20) 42 Ante-partum hæmorrhage	
	(15) 41 Toxæmia	
	(3) 6 Prolapsed Cord	
	2 Cord around neck	
	(1) 1 Intrapartum hæmorrhage	
	(1) 1 Complicated breech delivery	
	(1) 3 Complicated delivery-shoulder presentation	
C.	Fœtal Abnormalities (9) 22	
	(8) 18 Anencephalus	
	3 Hydrocephalus	
	(1) 1 Multiple congenital abnormalities	
D.	Undetermined Factor (11) 32	

# NEO-NATAL DEATHS.

During the year a total of 128 neo-natal deaths occurred in the Borough, 71 of these deaths being related to Middlesbrough residents. In addition, there were 17 transfers inwards where death had occurred outside the Borough, making a total of 88. 70 of these deaths occurred in hospital and 18 on the district. The distribution by age in weeks is as under :—

Under 1 week		 73
1-2 we	eks	 5
2-3 we	eks	 6
3-4 we	eks	 4

The vast majority of these deaths occur in the first week of life, this being the most resistant figure to reduce in infantile mortality. Many of the factors which operate in stillbirths would also appear to operate during this period and there is a growing concept of peri-natal mortality—the combined mortality from stillbirths and neo-natal deaths under one week. The most common causes of these neo-natal deaths in the first week were :—

Immaturity			34
Congenital malfo	rmatio	ns	14
Atelectasis			7
Injury at birth			6
A tota	al of 61		

These four causes accounted for 5/6ths of the deaths during the first week of life.

# MATERNAL MORTALITY

There were five maternal deaths during the year, one being a non-resident. Four of these deaths occurred in hospital and one at home. The causes of death for the Middlesbrough residents were certified as follows :—

- 1. Aged 21 Generalised peritonitis and septicæmia, due to septic abortion.
- 2. Aged 41 Accidental hæmorrhage.
- 3. Aged 35 Hæmorrhage from a tubal pregnancy.
- 4. Aged 24 Cardiac failure. Post-partum hæmorrhage.

### HEALTH VISITING.

# Staff.

The year began with a Superintendent Health Visitor, a Deputy S.H.V. 13 full-time Health Visitors, 1 part-time Health Visitor, 9 Public Health Nurses and 1 full-time and 1 part-time male orderly. It ended with 1 Superintendent Health Visitor, 9 Health Visitors full-time, 2 part-time, 9 public health nurses full-time, one part-time and one male orderly.

During the month of May one Public Health Nurse, who also held the S.C.M. was lent to the Midwifery Service for one week in order to help with the nursings.

# Student Health Visitors.

Several enquiries were received during the year for this training. Two were accepted for training in Newcastle and one in Leeds. All three commenced training in September—the usual length of time being nine months.

# Health Visitors' Educational Courses.

None of the Health Visitors were due to attend Refresher Courses this year, but the Deputy S.H.V. attended a Sessional Meeting of the Royal Society of Health in London in July and the Superintendent Health Visitor attended a Women Public Health Officers' Association Conference in Southport in October.

## Hospital Student Nurses' Training.

Student Nurses from the General, North Ormesby, Hemlington and Stockton and Thornaby Hospitals attended Courses of lectures, given by members of the Department, in March and September. An average of 25 students attended for approximately 24 hours. Practical work was not arranged owing to staff shortage.

## Home Visiting.

This year the number of individual children visited has fallen appreciably. They also received less than 3 visits each during the year. Children in the age group 1-5 had far too few visits in comparison with the under ones. The total number of children under five visited is stated to be 13,957 and they received 30,461 visits. In 1956 visits paid to 16,222 children numbered 43,372.

Birth enquiry or first visits	 	3,321
Visits to children 0-1 (excluding above)	 	8,975
Visits to children 1-5	 	17,809
Special visits	 	690
Neo-natal and infant death visits .	 	82
Ante-natal first visits	 	254
Ante-natal re-visits		102
Visits to aged men and others	 	5,619
Visits to aged women and others .	 	7,715
Infectious Disease visits	 	2,211
Ineffectual visits		4,693
		51,416

Children attending the Occupation Centre continue to receive regular hygiene inspections. 48 children were found to have pediculi and nits and they received in all 104 treatments.

Total inspections for personal cleanliness amounted to 1,548. During the year 15 treatments were given to people suffering from scabies.

# Hospital Aftercare and Care of the Aged.

Requests from Hospitals regarding home circumstances and follow up continue to increase. Valuable and very helpful information flows both ways thus providing continuity of help to the patients and relatives. This work continues, although the number of visits paid to men and women shows a slight reduction from that of last year, 5,619 visits being paid to elderly or handicapped men and 7,715 visits to women.

At the year end the number of those requiring visiting and care was 1,328. The number temporarily in hospital being 106.

# Premature Births.

The number of premature infants born in the town was 441, an increase of 57 on last year. Of the total, 277 were residents in the County Borough and 164 were non-residents. See Table VI.

# Child Welfare Centres.

Number of children 0-1 attending for the first time	2,019
Number of children 1-5 attending for the first time	86
Number of attendances of children 0-1	20,206
Number of attendances of children 1-5	8,016
Number of children examined by the doctor	4,776
Number of children, advice given by health visitors	23,446
Number of sessions	749

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

						From July	0—1	1—5
Elizabeth Purvis Centre			2	sessions	weekly	2	2,271	722
Lord Street (Car	nnon)		2	,,	,,	1	1,806	785
Ayresome			2	,,	,,	1	1,794	623
Grove Hill			2	,,	· ·	1	2,175	818
American Red C	Cross		1	session	,,	1	1,017	492
Acklam			1	,,	,,	1	1,299	495
North Ormesby			1	,,	,,	1	1,828	639
Thorntree			3	sessions	,,	2	2,600	1,404
Whinney Banks	* *		1	session	,,	1	1,598	500
St. Barnabas			2	sessions	,,	1	1,978	691
Park End			1	session	,,	1	1,840	847
							20,206	8,016

Dental treatment 8 General Hospital U.V.L. Orthopædic School Clinic 3 .. .. .. 25 .. 46 ... Dermatologist .. .. .. .. .. 1 . . 

 Pædiatrician
 ...
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 ...
 ...

 Chest Clinic for B.C.G.
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 Speech Clinic
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 ...

 North Ormesby Hospital
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 ...
 ...
 ...

 7 11 3 .. 12 North Riding Infirmary, strabismus ... . . . . School Clinic .. .. .. . . .. . . X-ray, North Ormesby Hospital ... . . . . Number of Patch Tests taken at Child Welfare Centres and Nurseries ... .. .. .. 11 Elizabeth Purvis ... .. .. 4 . . Acklam .. .. .. .. . . Grove Hill .. .. .. .. .. 4 ... Lord Street ....... Thorntree ...... North Ormesby ..... .. Ayresome .. .. St. Barnabas .. .. 3 ... ... . . . . Day Nurseries .. .. .. . . . . Park End ... . . . . . . . . ...

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

#### Ascertainment of hearing in young children.

During the year 17 children were tested for hearing. Only one child failed to pass this simple test and that was due to the child having a very severe cold at the time. Mothers are encouraged to make use of this Service, particularly after a child has had an attack of measles.

# District Ante-Natal Clinics.

There has been a decrease in the number of mothers attending district ante-natal clinics. 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.

vious years' for comp			1957	1956	1955
Lord Street (Cannon	1):			0.0	
1st attendances			 51	93	142
Re- ,,			 159	313	439
			210	406	581
American Red Cross					
1st Attendances			 68	73	110
Re- ,,			 188	240	234
			256	313	344
Thorntree :					
1st attendances			 46	66	60
Re- ,,	• •		 168	282	239
			214	348	299
Newlands :			_		
1st attendances			 61	73	80
Re- ,,			 242	248	288
			303	321	368
Grove Hill :					
1st attendances			 43	72	106
Re- ,,			 223	245	443
			266	317	549
North Ormesby :					
1st attendances			 90	108	104
Re- ,,			 372	423	511
			462	531	615
Whinney Banks :					
1st attendances			47	49	61
Re- ,,			 159	252	237
			206	301	298
Total 1st attendan	ces	• •	 406	534	663
Total Re- ,,			 1,511	2,003	2,391
			1,917	2,537	3,054

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

# 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 51.

The number of expectant and post-natal mothers recommended for further examination or treatment amounted to 60 particulars of which appear below :—

Family Planning	3				 27
North Ormesby	Hospita	l, Obst	etric X	-ray	 20
Dental Clinic					 13
					60

Number of mothers referred to dentist by health visitors 48.

In addition 325 mothers were referred for chest X-ray at the Mass Radiography Unit and of these 141 responded to the invitation and were found to be satisfactory.

# ILLEGITIMATE BIRTHS.

There were 186 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	 1.	 157
1954	 	 165
1955	 	 154
1956	 	 192
1957	 	 186

# 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-1,035.

Rhesus Negative-90.

Rhesus Positive-264.

Kahn-317.

Total 671 including 5 with antibodies present.

Wasserman Tests-total 2.

One being Positive.

One being Negative.

Also one Test for Blood Sugar.

361-Cytology. Hæmoglobin estimation.

# ORTHOPAEDIC 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 22 sessions during the year and 303 appointments made, of which 59 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.

	1956	1957
National Dried Milk	 88,394	55,679
Bottles of Orange Juice	 101,795	114,056
Bottles of Cod Liver Oil	 13,964	11,691
Vitamin Tablets	 7,132	7,760
Proprietary Food Sales	 £7,054	£6,808
Pkts. of Food issued free of charge	 394	446

# 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. Seventy-nine patients were referred for consultation from the following sources :---

General pracitit	ioners	\$			 	15
Welfare Centres	and	Ante-Na	atal Cl	linics	 	27
Chest Clinics					 	2
St. Luke's Hosp	ital				 	35

# DAY NURSERIES.

		o of aces	Regis	on ster at 2.1957	Average Daily Attendance	
	0-2	2-5	0-2	2-5	0-2	2-5
Mosman Terrace Parkside West Lane	 25 25 25	35 35 35	21 20 21	29 30 29	14 12 13	20 19 15

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 19s. 5d.

# NURSERIES AND CHILD-MINDERS REGULATION ACT, 1948.

Three nuresry 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 4,330 compared with 4,596 in the previous year.

# Diphtheria.

There were no notifications of Diphtheria during 1957.

Three cases were admitted to West Lane Hospital as possible Diphtheria cases, but the diagnosis was not confirmed.

# Scarlet Fever.

189 notifications were received as against 105 for the year 1956. Individual cases continued to be of a mild type and there were no deaths.

# Paratyphoid Fever.

2 cases were notified.

# Meningococcal Infections.

There were 3 notifications in 1957. There were two deaths.

# Erysipelas.

There were 8 notified cases.

# Puerperal Pyrexia.

42 cases were notified.

# Dysentery.

Notifications of Dysentery numbered 223 as against 313 for the year 1956; 148 were proved to be due to Shigella Sonnei, 1 to giardia Lanblia, and 74 were not defined.

# Measles.

During the year 1,927 notifications were received as compared with 2,178 for the year 1956. All cases were visited and kept under observation by Health Department Nurses and School Nurses. No death was registered.

# Chickenpox.

1,278 notifications were received, of which 709 occurred in schoolchildren. All cases were visited by Health Department and School Nurses.

# Whooping Cough.

There were 257 cases notified during the year with no deaths, as compared with 415 cases and no deaths in 1956. All cases were visited by Health Department and School Nurses.

# Ophthalmia Neonatorum.

Three cases were notified.

## Influenza.

There were 15 deaths from this disease, as compared with 8 in the previous year.

## Influenzal Pneumonia.

64 cases were notified.

# Acute Primary Pneumonia.

There were 93 cases notified, and there were 110 deaths.

# Smallpox.

No case occurred during the year.

#### Poliomyelitis.

There were 17 cases of paralytic poliomyelitis and 7 cases of non-paralytic poliomyelitis during the year, none of which was fatal. Nineteen of the 24 cases occurred during the three month period July—September.

# Encephalitis.

2 cases occurred during the year.

# Gastro-Enteritis.

There were 6 deaths from Gastro-Enteritis during the year, compared with 3 in 1956.

# Food Poisoning.

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

			Prin	No. mary	Vaccinated Re-Vaccinations		
			1956	1957	1956	1957	
Under	1 year		 236	226		3	
	1 year		 181	184	1	29	
	2-4 years		 34	34	2	13.	
	5-14 years		 42	59	16	43	
	15 and over		 78	94	198	294	
			571	597	217	382	
				1956	195	57	
Registe	red Live Birth	is	 	3,243	3,48	31	
vacci	age of childre nated in relati			7.00		0	
birth	s		 	7.29	6.5	8	

Vaccination Against Smallpox.

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 1,161 children were registered in 1957. As there were 1,847 outstanding registrations at 1.1.57, the number of children eligible for vaccination was 3,008. Of these, 1,543 completed vaccinations were carried out during the year.

# DIPHTHERIA IMMUNISATION.

The work of Diphtheria Immunisation carried out by the Public Health Department in the year 1957 is shown by the following figures :—

No. of children under 5 years of a	ige im	munise	d	1,562
No. of schoolchildren immunised				621
No. of reinforcing injections				1,078

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

Percentage	of	child	iren	under	five	vears	of	age	
immunise									38.19%
Percentage	of s	choo	Ichild	Iren im	munis	ed .			86.63%

# Immunisation in Relation to Child Population.

Number of children at 31st December, 1957, who had completed a course of Immunisation at any time between 1st January, 1943, and 31st December, 1957.

Age at 31.12.57 i.e. Born in Year	Under 1 1957	1 to 4 1953-56	5 to 9 1948-52	10 to 14 1943-47	Under15 Total
Last complete course of injections (whether primary or booster) A. 1953-1957	126	5,719	10,345	2,150	18,340
B. No. of children whose last course was completed 1952 or earlier	-	_	1,598	9,040	10,638
C. Estimated mid-year child population	3,260	12,040	26,700		42,000
Immunity Index	3.86%	47.5%	46.77%		43.67%

## SCABIES.

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

	1955	1956	1957
Adults (over school age)	 	3	5
School children	 8	20	24
Pre-school children	 1	3	6
Occupation Centre children	 		_
Total of patients	 9	26	35
Total of treatments	 4	18	33

# SMOKING AND LUNG CANCER.

In accordance with the terms of Circular 7/57 of the 27th June, 1957, the Council's Health Committee considered this Circular.

Certain suggestions were made, including one that smoking should be prohibited on the upper as well as on the lower decks of 'buses doing short journeys only, and secondly that teachers might be asked voluntarily to agree not to smoke on school premises, as an example to the children at the schools. The Committee felt, however, that the way to secure dissemination of information to the public was not by prohibitions or bans, some of which might be very difficult to enforce, but that the Council's duty was to ventilate the information and let the adult members of the public make up their own minds what they would do about it.

It was felt, however, that the Council, as the Education Authority had a certain duty towards the children in their schools and that matters should be referred to the Education Committee with the request that they favourably consider giving suitable publicity to the matter in schools.

It was further suggested that it should be discussed with the Association of Municipal Corporations whether it would, on balance, be a good thing for lung cancer to be made a notifiable disease, as at the present moment the only way its extent and incidence can be measured is to wait for the death registrations and that gives no idea of the amount of this disease current in the community and the number of sufferers who are cured.

Propaganda and dissemination of information on the dangers of heavy smoking are therefore part of the Health Department's responsibilities and steps will be taken to keep the matter before the Public.

It was felt that at the time of the issue of Circular 7/57 the Public had already been very well informed of the whole matter by the Press and by the Radio and that further immediate propaganda might irritate the Public rather than lead them to better habits.

The Local Education Authority in its turn considered the matter and authorised the Director and the Principal School Medical Officer to discuss the matter with representatives of the Middlesbrough Head Teachers' Association and the Middlesbrough Teachers' Association. This conference took place and those present came to the conclusion that the best way of dealing with this matter in school was appropriate reference to the assumed relationship between smoking and lung cancer being made incidentally in the ordinary course of the curriculum.

Copies of the Medical Research Council's leaflet were supplied to Secondary Schools for information of the staff and the Head Teachers indicated that further opportunity would be taken to include references to the question of smoking and lung cancer from time to time.

\* N.B.—It is, of course, a fact that smoking is against the rules of all Secondary Modern, Secondary Grammar and Secondary Technical Schools of the Local Education Authority.

# TUBERCULOSIS REPORT.

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

Tuberculosis continued to be a considerable problem in Middlesbrough in 1957. The same trends observable in recent years have been present, namely that there has been a slight decline in the number of new patients, the number having dropped from 202 in 1955, 212 in 1956 to 199 in 1957.

# New Cases.

Of the new patients there was again a preponderance of men over women. As in previous years the men tended to be older than the women and indeed 28 were over 55, and 6 were over 65 years of age.

### Deaths.

The number of deaths has risen, there being 33 deaths as compared with 26 in 1956 and 27 in 1955. Twenty-one of these deaths were in men, 13 of which were in men over 55 and 8 in over 65. One death occurred in a child of school age, which was the first death in this age group for 6 years. Two deaths occurred in the entire population under 25 years of age and 9 deaths in the entire population over 65 years of age.

#### Hospital Treatment.

We no longer have difficulty in admitting patients to hospital for treatment of tuberculosis although occasionally individual patients may wait a few days before a bed becomes available. In these cases anti-tuberculous treatment can be started at home and the patient does not lose by the short delay. Hospital admissions totalled 372 compared with 219 in 1956 and 247 in 1955.

## Preventive Work.

This work is increasing. One hundred and sixteen babies under six weeks of age were given B.C.G. vaccination compared with 81 in 1956 and of 465 older children who were tuberculin negative and offered vaccination, 294 were presented for vaccination. 410 B.C.G. vaccinations were performed which is easily the highest figure that we have had so far. The number of contacts X-rayed has declined but the number diagnosed as tuberculous has gone up from 25 in 1956 to 36 in 1957. The numbers of new cases diagnosed by means of Mass X-ray examination has fallen from 30 in 1956 to 11. It is noticeable that although there is far more tuberculosis in the male population of the town than the female, that women attend the Mass X-ray Unit in very much greater numbers than do the men. Only very small numbers of new patients have been diagnosed in recent years as a result of X-raying school leavers and ante-natal patients, and it is becoming questionable whether this routine procedure should be maintained in its present form.

#### Chest Clinic Attendances.

The total numbers attending have declined in 1957 but it is noticeable that the numbers of patients referred by general practitioners has increased considerably. This is perhaps associated with a real increase in non-tuberculous disease of the chest.

Age Group	os	0-9	10-	15-	20-	25-	35-	45-	55-	65-	All Ages
Respiratory— Males		-	_	_	_	-	6	2	5	8	21
Females		-	-	-	1	2	2	2	3	1	11
Non-Respiratory— Males		-	_	_	_	_	_	-	_	_	_
Females		-	1	-	-	-	-	-	-	-	1
Totals			1		1	2	8	4	8	9	33

# AGE AND SEX DISTRIBUTION OF DEATHS.

# 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	3	6	2	6	8	17	15	15	22	6	-	104
Females	1.	-	2	5	7	4	4	7	9	12	3	3	2	1	59
Non-Respiratory- Males		-	-	-	-	-	1	3	1	1	1	-	-	-	7
Females		-	-	-	1	-	-	-	1	1	2	-	-	-	5
Totals		-	6	8	14	6	11	18	28	29	21	25	8	1	175

The above does not include 24 transfers in.

Source of Notifications :			1957	1956
Chest Clinic			73	76
General Practitioner X-ray	scheme	State in the		1
Contacts			36	25
Mass Radiography			11	30
Ante Natal			1	2
Registrar's Return			5	2
Transfers In			24	33
Other Hospitals			36	34
General Practitioners			4	4
H.M. Forces			5	5
Industry			3	
School Leaver			1	1.1.
			199	212
Middlesbrough Patients Admitte	ed to Hos	-	-	
Hemlington Hospital		Males 46	Females 24	Children
Poole Hospital		224	61	16
roble mospital	• •	224	01	10
		270	85	17
Contract of the Contract of Strengt				
Contacts.				
Babies under 6/52 given B.	C.G.		116	81
Tuberculin Negative (over	6/52) old	ł	465	363
Tuberculin Positive (over 6	6/52) old		168	70
Total B.C.G. Vaccination	(includin	ng babies		
under 6/52 old)			410	280
Contacts X-rayed			1,526	1,922
Contacts diagnosed as case	es		36	25
Contacts under observation	n		17	72
			2,622	2,732
Types of Cases Found.				
	ales and emales	Males	Females	Children
Sputum (A.1 (Minimal)	29	19	8	31
A 2 (Moderate)	31	22	9	1
Negative { A.2 (Moderate) A.3 (Advanced)	1	1	,	1
regative (A.S (Advanced)	-61	-42	-17	33
Sputum ( B 1 (Minimal)	8	5	3	
Sputum $\int B.1$ (Minimal) B.2 (Moderate)	50	32	18	-
Positive B.2 (Moderate) B.3 (Advanced)			3	101000
Positive B.3 (Advanced)	13	10	-	
New Development	71	-47	-24	1
Non-Respiratory	11	1	4	1
	-11	- /	— 4	- 1
	142	06	45	24
	143	96	45	34

# Clinic Attendances.

Total Clinic A	ttendan	ces			1957 9,083	1956 12,412
New Patients					1,258	1,094
G.P. X-rays	(New	Patients	X-raye	d but		
not seen)					54	120

#### 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 an increase during the year of 131 in the number of new cases attending the clinic : 700 for the year, as compared with 569 for 1956.

	Sy	ohilis	Gonorrhœa		Other conditions		То	tal	Grand Total
1956 1957	M. 15 18	F. 12 10	M. 112 110	F. 26 14	м. 314 409	F. 90 139	м. 441 537	F. 128 163	569 700
		Middles	brough	cases			303		
	1	Seamen Other ca					170 227		
		other ca	1303				700		

# Total Attendances in 1957 of all persons suffering from :---

Syp	hilis	Gonor	rhœa	Otl Condi		То	tal	Grand Total
M. 1,000	F. 1,002	м. 496	F. 63	M. 1,330	F. 383	M. 2,826	F. 1,448	4,274
	Middle: N. Ridi Co. Du	ing of Y				2,243 839 326		
	Other A					866		
						4,274		

# Congenital Syphilis-New Cases Classified in Age Groups.

		Under I year	1 and under 5	5 and under 15	15 and over	Total
Male	 				3	3
Female	 				3	3
			-		6	6

Syphilis		Gonor	rrhœa	Oth Condi	A 360 A	To	Grand Total	
M.	F.	M.	F.	M.	F.	M.	F.	168
66	55	17	4	23	3	106	62	

During the year 133 children were seen, and of these one required treatment. Of the former number, 112 are long staying children in the care of the Local Authority. An arrangement was made with the Children's Officer and the visiting doctor to the Children's Homes that these children should have a routine blood test : all were found free from disease.

# CONVALESCENT HOMES.

Under the provisions of the National Health Service Act, 1946, 46 patients were admitted to Convalescent Homes, as shown below :—

Yorkshire Foresters' C N.E.C.F.S. Convalesce					•••	18 2
Convent of Our Lady						5
Proctor Memorial Hor					 	7
Seabright Convalescen	t Hom	e, St. 1	Annes-	on-Sea	 	4
Milne Convalescent H	ome, S	outhpo	ort		 	1
Private, Redcar					 	6
Private, Morecambe					 	3

In addition convalescence at the Ropner Home, Middleton St. George, was arranged by the Department in respect of seven patients.

# 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.

The Group Laboratory Service on Tees-side provided by the Central and Peripheral Laboratories and the Medical Research Council's Public Health Laboratory, has continued to give a comprehensive service throughout the year. The overall demand has increased by 13.4%, and has put an added strain on the service, whose accommodation is far below that required, even for the existing work, without any regard to future development.

During the past year the scope of investigations undertaken has been enlarged and in particular the biochemical department has increased its range of investigations. The Laboratory has also continued to be the centre for Yellow Fever inoculations.

The research into the problems of airborne and other infection in hospitals has continued.

# SECTION D

# OTHER SERVICES UNDER THE NATIONAL HEALTH

# SERVICE AND NATIONAL ASSISTANCE ACTS.

# MENTAL HEALTH SERVICE.

Throughout the year 1957 it has not been found possible to obtain a Senior Assistant Medical Officer of Health to take the place of Dr. Richard Short. The result is that the supervision of this branch has had to be undertaken by the Medical Officer of Health or his Deputy, in addition to their other duties.

Especially in view of the publication of the Percy Report, which envisages the placing of considerable new responsibilities for the care in the community of numbers of the mentally ill and mentally defective, it is necessary that we should have on the staff of the department an officer with special experience in mental illness and defect who could supervise the working of this section of the department.

A Mental Health conference is held every Friday morning at 10 o'clock in the Medical Officer of Health's office, which ensures regular supervision up to a point, and the Mental Health Workers have access to the Medical Officer of Health on emergency business at all times.

The post of Psychiatric Social Worker unfortunately still remains vacant and there is no indication that there will be any very great increase in the numbers of Psychiatric Social Workers available. The presence of at least one qualified Psychiatric Social Worker is essential to the Mental Health Section of the Health Department of a County Borough of this size.

Towards the latter end of the year, the Chairman of the Health Committee and the Medical Officer of Health have attended several small conferences and discussions on the Percy Report, and the legislation which might conceivably take place within the next few years. The Deputy Medical Officer of Health has been in discussion with the National Association for Mental Health and the Medical Officers of Health of other north-eastern areas and the Leeds University, regarding setting up courses of training. For one thing is certain, if considerable new responsibility is to be thrust on Local Authorities and they are to take over the domiciliary care of a considerable proportion, estimated variously from 8% to 20% of the mentally ill and mentally defective now in hospital, they will need a considerable increase in their staff and that staff must be trained in advance of the day that the responsibility is shouldered.

A special report will be submitted to the Health Committee on the Percy Report and all its implications as far as the Middlesbrough Local Health Authority is concerned. The splendid co-operation which the department has had from the Physician Superintendents and their staffs of St. Luke's Hospital, Aycliffe Hospital and of Prudhæ and Monkton Hospital, continues.

Some difficulty is still experienced in getting mentally defective children of certain age groups hospitalised, but we feel that the hospitals have done their best.

We are also indebted to the Consultants for most valuable consultations at the Out-patient Clinics and otherwise, and for the painstaking and most helpful reports that they have always been willing to make to us. We cannot express our gratitude too highly.

Nevertheless, we must again call attention to the fact that there are still children either at home or in the care of the Children's Department whose needs would be more properly met by admission to a hospital for mental defectives. Such children in a Children's Home cause unnecessary strain to a staff which is not trained for dealing with abnormal children of this type and who are not always either good company or a good example for the other children in those Homes. We profoundly hope that in the coming year this situation will be relieved and the Children's Committee and their staff relieved of a burden that is well nigh intolerable. It is at all times unfair.

# 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, 1957, was :---

Males	 	 7
Females	 	 27
	Total	 34

The total number of visits paid was 77.

One case receiving pre-care.

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

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

		12
		16
		52
		128
	• •	-
		208
:		1

In addition, 20 cases were examined under the provisions of Section 16, Lunacy Act, but not certified. Grand Total-229.

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

One hundred and ninety voluntary cases were admitted to St. Luke's Hospital by sources other than of Duly Authorised Officers, and 76 voluntary cases were accepted after being initially admitted by our Duly Authorised Officers under Section 20. In addition, five cases were accepted as voluntary who had been previously certified.

Ambulance Services were required on 178 occasions, private taxis on 18 occasions, police cars on 3 occasions and private cars on 44 occasions.

		Males	Females	Total
Epileptics	 	 153	136	289

# (c) Mental Deficiency Acts, 1913-1938.

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

Prudhæ and Monkton H	lospita	۱			109
Aycliffe Hospital					104
Rampton State Institutio	n				9
Lisieux Hall					2
St. Joseph's Home					1
Moss-side Institution					2
Etlæ House					1
Royal Albert Institution					1
Field Heath House					1
Whittington Hall					2
Bishop Auckland Institut	tion				1
Manor Hospital, Epsom					1
Howbeck House, Hartley	looq				6
Northgate Hospital					
Calderstone Hospital					1
Meanwood Hospital					1
Claypenny Colony					
Westwood Hospital					1
Royal Earlswood Hospit	al, Sur	rey			1
					244
The number of patients o	n licen	ce at tl	ne end	of the y	/ear was :-
Aycliffe Hospital					7
Prudhæ Hall Colony					1
The following cases were	admit	ted du	ring the	year :	
					Aycliffe Hospital
Adult Males					10
Adult Females					3
Female Children					1
Male Children					5

Total .. 19

41

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

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

Five cases (2 male and 3 female) were notified under Section 57(5) and 17 cases (10 male and 7 female) were notified by other sources.

Of this number, 5 males and 7 females were placed under Statutory Supervision, 2 males and one female were admitted to institutions, 6 males and 3 females were placed under voluntary supervision.

At 31st December, 1957, 43 cases (33 males and 10 females) were on the waiting lists for admission to institutions.

#### Guardianship and Supervision.

At the end of the year, 268 cases were under supervision, 129 males and 139 females. One case was under guardianship at the end of the year.

#### Temporary Accommodation-Ministry of Health Circular 5/52.

Five cases received temporary care on 7 occasions.

# Cases brought before the Court.

The Mental Health Workers attended Magistrate and Juvenile Courts on 20 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 17 nurses employed whole-time and 10 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, 1957, there were 17 nurses employed whole-time and 8 nurses employed parttime. 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.

#### Effect of Home Nursing care on the demand for hospital beds.

The Middlesbrough District Association report that they had on their books at the beginning of the year 133 patients aged 70 and over, that they gave services to 516 new patients in that age group and that at the end of the year they had 144 remaining on the books.

It is not possible to say with exactitude just how many of these patients would have had to go into hospital if a Home Nursing Service had not been available, but our impression is that that would have been the case in the majority.

Quite apart from the Home Nursing Service of the Middlesbrough Nursing Association there are working in the Health Department under the Superintendent Health Visitor six geriatric nurses who visit old people and give them certain nursing and toilet services, e.g., combing of hair, cutting of nails, cleaning of ears, blanket bathing. The existence of these six nurses enables the district nurses to move more quickly and to spend less time with certain patients, and our view is that if the services of the District Nursing Association were not supplemented by these Public Health Nurses, many of these patients would have to go to hospital or to accommodation under Part III of the National Assistance Act.

# N.B.—A male orderly is also kept, who gives similar services to old or bed-ridden men.

Attention should also be called to the effect of the Home Help Service in keeping aged and infirm people out of hospital. The Council makes charges for the Home Help Service in accordance with a merciful scale in which old age pensioners, with or without supplement from the National Assistance Board, pay very little, if anything, for Home Help Service. Moreover, the Council has a specially low rate for long-term cases. For further reference to this service see under Domestic Help.

G ASSOCIATION.	ACT, 1946.
MIDDLESBROUGH DISTRICT NURSING	NATIONAL HEALTH SERVICE

HOME NURSING SERVICE - FOR THE YEAR 1957.

	ca.	Patients Receiving Attention at beginning of month	New Cases	Total	Discharged	Cases Remaining on books at end of month	Total Visits Paid	Ex-hospital Cases
January February March	: : :	378 385 384	180 146 167	558 531 551	173	385 384 409	7553 6370 7157	13 10 23
May	::	409 420	141	569	130	420	7597 8110	18
July	::	393	129	548	144	393 400	7731	16
August	:	400	122	522	120	402	7446	16
October	::	402 443	171	614	215	399	8132	10
November	;	399	169	568	151	417	7541	10
	-		ANALV	SIS OF F	NALVSIS OF EV-HOSPITAL CASES	ACEC		
Abscess	:	:	¢	Cystotomy (Supra pubic)	a public)	17 Hernia		
Amputation	:	:	2 Diab	Diabetes		9 Laparotomy	omy	
Anæmia	:			Dilatation and Corettage	orettage	1 Lobectomy	my	
Appendicectomy	Auny		4 Disse	Disseminated Sclerosis	crosis	I Maternity	ty	
Arteriosclerosis	SIS			Empyema .		I Parkinso	Parkinsons Disease	I
Cancer		•••	12 Enter	ritis		4 Pneumonia	nia	1
Casarian Section	tion		2 Fistula	la		1 Puerpera	Puerperal Pyrexia .	1
Cellulitis			I Fract	Fractures		6 Sinus		2
Cerebral Thrombosis	ombosis	:	I Gast	Gastrostomy .		I Sepsis		2
Cholecystectomy	··· Auto			Gastrectomy .				
Circumcision	:	•••		Heart Disease		20 Tuberculosis	losis	32
Colostomy	:		8 Hemi	Hemiplegia .		2 Ulcer		2

	January	February	March	April	May	June	July	August	September	October	November	December	Total
	cases Visits	eases Visits	Cases Visits	Cases Visits	eases Visits	Cases Visits	Cases Visits	Cases Visits	Cases Visits	Cases Visits	Cases Stiets	Cases Visits	Cases Stieiv
Medical	53 1940	54 1633	41 1795	38 2039	53 2026	46 1866	63 2014	42 1807	37 1890	40 1888	50 1559	69 1867	586 22324
Surgical	12 611	7 555	13 660	9 679	10 738	10 710	10 772	7 748	11 611	7 685	12 703	11 766	119 8238
Infectious Diseases	12 81	10 44	16 104	7 36	10 45	7 52	7 31	4 20	22 143	35 296	16 108	16 119	162 1079
*Tuberculosis	22 2449	4 1999	24 2096	21 2367	19 2600	20 2072	24 2425	18 2429	13 2371	16 2596	19 2623	16 2603	
Maternal Complications	 		1 3	1 8	3 15		3 18		3 44	2 12	2 13		15 113
†Others	81 2472	71 2139	72 2499	65 2468	54 2686	46 2299	48 2471	51 2442	70 2594	71 2655	70 2525	79 2711	778 29961
Totals	180 7553	146 6370	146 6370 167 7157 141 7597	141 7597	149 8110	129 6999	155 7731	122 7446 156 7653	156 7653	171 8132	169 7531	191 8066 1876	1876 90345

# ANALYSIS OF CASES AND VISITS PAID.

PATIENTS AGED 70 YEARS AND OVER.

	Men	Women	Total
On Books, 1/1/57	51	82	133
New Patients During Year	185	331	516
Remaining on Books, 31/12/57	54	90	144
*Mainly injections			

†Includes special injections : Cases 575 : Visits 13521.

# AMBULANCE SERVICE.

The number of patients carried by the Ambulance Service for the year 1957, was 48,851 a reduction on the previous year's figure of 1,419 patients. This is the first time a drop in the number of patients carried, has occurred since 1948.

The vehicle strength of the service at the year end was 9 ambulances, 3 sitting case ambulances, and 2 sitting case cars.

The Ambulance Service personnel comprised 1 Ambulance Officer, 1 clerk and deputy, 23 driver/attendants, 1 male attendant, 2 female attendants, 4 male telephonists and 1 female telephonist.

The following figures show the number of cases dealt with in 1954, 1955, 1956 and 1957 :---

1954	1955	1956	1957
42,890	47,297	50,370	48,851

AMBULANCE SERVICE - ANNUAL REPORT

			-		TYPE	OF PA	TIENT	S CAR	RIED	5									(	CATE	GORI	ES								MILE	AGE		PET	ROL	(Gals.)	0	IL (Pi	nts)
1957	Journeys	Total Patients	Recumbent	Sitting	Carried in Ambudances	Carried in Sicase 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 Emergency Services	Mental	House Transfers	Hospital Transfers	Out Patients	Admissions	Discharges	West Lane Hospital Cases	M/ds. Occupation Centre	Conveyance of Midwives	Ambulances	S/case Vehicles	West Lane Hospital Ambulance	Total	Ambulances	S/case Vchicles	Total	Ambulances	S/case Vehicles	Total
January	1506	4483	1058	3425	2711	1772	1028	1683	30	1742	370	93	60	15	50	15	12	62	4	14	6	222	2196	472	625	126	604	-	8903	6204	485	15592	720	339	1059	31	26	5
February	1227	4350	960	3390	2809	1541	948	1861	12	1529	282	93	50	22	42	10	12	75	8	25	10	221	2162	385	580	117	631	-	9569	4936	424	14929	799	279	1078	31	15	41
March	1329	4402	1052	3350	2949	1453	1043	1906	9	1444	334	84	75	18	47	17	8	72	9	15	2	242	2131	416	616	139	595	-	9531	4587	393	14511	811	273	1084	64	20	8
April	1181	4239	894	3345	2747	1492	891	1856	3	1489	387	111	73	25	41	15	5	74	9	22	3	244	2056	393	663	127	464	25	9060	4981	389	14430	739	284	1023	40	16	5
May	1318	4559	940	3619	3033	1526	930	2103	10	1516	345	85	79	13	45	12	10	80	8	14	4	250	2020	453	695	85	713	78	9858	4845	296	14999	748	255	1003	53	23	7
June	1193	3592	825	2767	2317	1275	819	1498	6	1269	319	88	96	15	43	8	13	38	4	6	2	199	1679	348	520	69	465	87	7855	4628	278	12761	606	233	839	24	16	4
July	1346	4245	908	3337	2742	1503	903	1839	5	1498	322	97	91	27	37	14	8	52	13	8	5	240	1866	385	603	118	681	97	8487	5464	339	14290	666	263	929	55	27	8
August	1344	3128	887	2241	2207	921	876	1331	11	910	222	117	78	23	45	6	13	52	13	22	2	235	1507	350	503	125	-	154	9368	5214	498	15080	743	263	1006	40	16	5
September	1453	3889	1032	2857	2538	1351	1021	1517	11	1340	346	119	47	23	-44	3	16	53	10	14	5	247	1655	502	417	193	610	50	9099	5805	720	15624	708	276	984	40	24	6
October	1329	3967	968	2999	2527	1440	962	1565	6	1434	388	113	57	19	58	9	11	59	5	17	10	213	1795	469	624	215	399	7	8173	5793	389	14355	672	299	971	36	20	3
November	1354	4033	953	3080	2493	1540	945	1548	8		407	100000	58	21	51	12	10	58	8	10		249	1852					3	8196	5997	563	14756	731	290	1021	36	14	5
December	1405	3964	1035	2929	2506	1458	1014	1492	21	1437	383	153	68	18	28	14	15	56	3	26	14	215	1866	493	559	139	450	-	8390	6002	568	14960	776	292	1068	28	10	3
Total	15985	48851	11512	37339	31579	17272	11380	20199	132	17140	4105	1282	832	239	531	135	133	731	94	193	68	2777	22785	5115	6987	1574	6156	501	106489	64456	5342	176287	8719	3346	12065	478	227	70

### CONVEYANCE OF MIDWIVES, 1957.

From the 18th April until the 7th September 482 calls were made by Ambulance Service vehicles. On the 8th September two Hillman Huskie Vans were placed in Service for the conveyance of midwives and four drivers employed. The usage made of these vehicles is shown in the following table.

Month	1	Journeys	Calls	Miles
Sept.		122	151	571
Oct.		216	296	1,129
Nov.		262	436	. 1,423
Dec.		226	364	1,292
TOTAL		826	1,247	4,415

During the period that the Huskies have been operating 19 calls were also made by Ambulance Service vehicles. The total number of calls made by the Ambulance Service vehicles is shown in the Ambulance Service Annual Report.

# DOMESTIC HELP SERVICE.

Throughout the year the Domestic Help Service has continued to give assistance to cases of general illness, maternity and to the chronic sick, aged and infirm.

Numerous letters of appreciation were received during the year, with regard to the efficiency and kindness of various members of the staff.

Enquiries for Domestic Help numbered 543 during the year, as compared with 574 in 1956.

The majority of enquiries received are still from patients and relatives, but there was an increase in the number made from hospitals, and also other official bodies.

1957	1956	1955	1954
44 %	46%	46%	44%
10%	15%	7 %	10%
10%	17%	19%	12%
2%	1%	11%	2%
22 %	21 %	20%	23%
7%	2%	11%	3%
5%	3%	5%	6%
	44 % 10 % 10 % 2 % 22 % 7 %	44 %       46 %         10 %       15 %         10 %       17 %         2 %       1 %         22 %       21 %         7 %       2 %	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

The Table below shows the various sources from which the enquiries were received :---

92 patients booked a Domestic Help for confinements, compared with 126 in 1956, 81 cases actually had the service of a Domestic Help, as compared with 80 in 1956, but 12 cases only were cancelled against 46 in the previous year. Of the 12 cases cancelled, 10 notified the following reasons :—

7 cases made other arrangements.

2 cases were admitted to hospital.

1 case cancelled on account of charge.

Of the 81 cases covered :--

3	had	full-time	help	for	3	weeks.	
36	,,	,,	,,	,,	2	weeks.	
25	,,	,,	,,	,,	1	week.	
10	,,	,,	,,	,,	2	weeks.	
6	,,	,,	,,	,,	1	week.	
1	,,	,,	,,	,,	1	week.	

The following Table shows the cases attended during 1957 :---

	T.B. Cases	General Cases	Mater- nity Cases	Aged & Chronic Sick	Total	Total 1956	Total 1955	Total 1954
On books 1.1.57	 7	23	3	298	331	305	273	226
Cases commenced	 9	75	78	212	374	397	360	394
Cases completed	 7	71	80	224	382	371	328	347
Starting and a	9	27	1	286	323	331	305	273

The number of Domestic Helps employed during the year varied from 66 at the beginning of the year to 58 at the end of the year. Of the 58 employed 24 were available full-time and 34 part-time.

1,384 visits were made by the Organiser during the year.

0 -	65	65	- 75	7	5 - 85	85 &	over
M.	F.	M.	F.	M.	F.	M.	F.
3	—	2	6	9	6	1	5
	Male	es				15	
	Fem	ales	*	• •		17	
			Tota	1	T	32	

# DEATHS IN REGISTERED NURSING HOMES IN MIDDLESBROUGH DURING 1957.

#### NURSING HOMES.

				No. of Homes	No. beds prov Maternity	Total	
Homes first re year	egistered	during	g the				
Homes on the of the year	-		end	4	8	49	57

# PREVENTION OF THE BREAK-UP OF FAMILIES.

My comments of the 1956 Report are still relevant and apposite.

Being very disturbed by the low standard of catering and cooking in some of the problem families, we made a submission to the Authority that the department should have a dietitian on its staff who would advise families selected by the Health Visitors on simple cookery and particularly invalid cookery. It was, however, decided not to make the appointment. We feel there is a great need for such an officer. We also note with regret that in working with problem families we find a great reluctance on their part to have the services of a Home Help or to allow their children to go into Day Nurseries. Either they flatly refuse or they allege that they cannot afford these services. Nevertheless, we believe that in certain cases only tuition and demonstration by example by an experienced and sympathetic Home Help could teach some of these feckless mothers their job as housekeepers and caterers. We hope to make a recommendation soon that authority be given to send an experienced Home Help for a few weeks free of cost. If the mother should, indeed, prove teachable and a willing learner the benefit would be very large and money may well be saved in other directions.

The problem of the housing or re-housing of the large problem families is still with us. Some of them will improve if re-housed, some will not, and although much can be done by training if the mother is willing, prior to re-housing, it is only in reality by doing the experiment that one can find out.

We estimate that about 50% of the problem families in Middlesbrough, given adequate housing accommodation and proper and patient tuition, can be re-habilitated into decent living citizens. But there is a hard core which are incapable of improvement, and their problem is always with us.

Lastly, the key to the solution of the problem family question is a full staff of Health Visitors, able to visit them time and again and to devote considerable time to them. They can bring in, for special purposes, any other kind of service or Social Worker that may happen to be necessary in any particular case.

# PUBLIC MORTUARY.

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

# HEALTH EDUCATION.

It has not been possible in this extremely busy year, to devote as much time as we would wish to Health Education, but a steady flow of propaganda is conducted in our Ante-Natal and Infant Welfare Centres and by the Health Visitors in the homes. More particularly, instruction and advice on the prevention of home accidents has been widely disseminated this year and the public has been very keenly advised on making use of B.C.G. and later polio vaccine, for the prevention of two of our more serious diseases. When the department is less busy it is hoped to submit proposals for a Health Exhibition. One has not been held in Middlesbrough for a long time and it is a valuable way of directing the attention of the Public firstly to the services available in the town to help them maintain their health, and secondly to the contribution which they themselves can make. We have a feeling that with such modern media of propaganda as the Radio and Television such things as the display of posters and even the dissemination of leaflets are decreasing in value. But the value of a Health Exhibition in which people can wander round at their will for hours, for a small admission fee, is still very great. It is a matter of finding the time to organise it.

# 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 twenty four new cases have been referred during the year as follows :---

Medical Officer	of Hea	alth	 	10
General Practitio	oners		 	9
Consultant Geria	atricia	n	 	6
Superintendent I	Health	Visitor		23
Duly Authorised	Offic	ers	 	9
Domestic Help (			 	18
Supervisor of M	idwive	es	 	10
Moral Welfare A			 	1
Probation Office	r		 	6
Community Cou	incil		 	3
Blind Visitors			 	4
Social Worker			 	11
Miscellaneous			 	13

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

Geriatric care and att	ention	 	36
Maternity and Child	Welfare	 	10
Matrimonial		 	8
Social Investigation		 	2
General Help		 	31
Accommodation		 	33
Convalescence		 	1
Financial		 	1
Number of visits		 	491
Number of office into	erviews	 	173

#### 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 taken in one case.

# Care of the Blind and Partially Sighted.

The registration and visitation of blind and partially sighted persons is carried out by the Cleveland and South Durham Institute for the Blind, acting as the voluntary agency for the Local Authority, and the three home visitor/teachers are seconded full-time to the agency.

Liaison between the medical officer and the home visitor/ teachers was retained by the continuance 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-two new cases were registered during 1957, giving a total of blind persons of 313 compared with 289 in 1955 and 300 in 1956.

Of the new cases registered 10 were due to cataract, 2 to glaucoma, 14 to other causes, five others had multiple ophthalmic defects, and in one case the cause of disability was not apparent. Treatment was recommended in 13 cases and on follow-up it was found that 9 had had the recommended treatment.

#### Partially Sighted Cases.

Twenty-two new cases were registered during the year and the total number on the register at the end of 1957 was 85 compared with 82 in the previous year. Seven cases were due to cataract, 7 cases to glaucoma, and 8 to other causes.

In the 19 cases where treatment was recommended, on follow-up it was found that ten patients had had treatment.

# Follow-up of Registered Blind Persons.

Number of Cases registered during 1957 — 32. Total number on Register at 31st December, 1957 — 313.

	Cause of Disability							
	Cataract	Glaucoma	Retrolental Fibroplasia	Others				
<ul> <li>Number of cases registered during the year in respect of which Section F of Form B.D.8 recom- mends :</li> <li>(a) No treatment</li> </ul>	1 aged 78 yrs. 1 ,, 79 ,,	1 aged 82 yrs.		2 aged 78 yrs. 1 ,, 83 ,, 1 ,, 53 ,, 1 ,, 82 ,, 1 ,, 81 ,, 1 ,, 51 ,, 1 ,, 79 ,, 1 ,, 33 ,,				
(b) Treatment (medical, surgical, optical or hospital supervision)	1 aged 84 yrs. (surgical) 1 aged 74 yrs. (surgical) 1 aged 85 yrs. (surgical) 1 aged 70 yrs. (surgical) 2 aged 83 yrs. (surgical) 1 aged 78 yrs. (surgical) 1 aged 89 yrs. (hosp. supr.)	1 aged 77 yrs. (medical)		1 aged 57 yrs. (medical) 1 aged 57 yrs. (hosp. supr.) 1 aged 31 yrs. (hosp. supr.) 1 aged 63 yrs. (medical) 1 aged 55 yrs. (hosp. supr.)				
<li>II. Number of cases at I(b) above which on follow-up action have received treat- ment</li>	1 aged 84 yrs. (surgical) 1 aged 74 yrs. (surgical) 1 aged 85 yrs. (surgical) 1 aged 83 yrs. (surgical) 1 aged 89 yrs. (hosp. supr.)			1 aged 57 yrs. (medical) 1 aged 57 yrs. (hosp. supr.) 1 aged 31 yrs. (hosp. supr.) 1 aged 55 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	74		(myopia and incipient cataract)
1		62	.,	(retinal detachment and myopia)
1		76		(senile maculopathy and iridocyclitis)
1	.,	76		(choroiditis and cataract)
1	.,,	75		(arterio sclerosis and cateract)

In addition one case was certified blind where the cause of disability was not apparent and no treatment was recommended.

Follow-up of Registered Partially Sighted Cases.

Number of cases registered during 1957 - 22.

Total number on the Register at 31st December, 1957 — 85.

	Cause of Disability					
	Cataract	Glaucoma	Retrolental Fibroplasia	Others		
<ul> <li>I. Number of cases registered during the year in respect of which Section F of Form B.D. 8. recom- mends :</li> <li>(a) No treatment</li> </ul>				1 aged 87 yrs. 1 ,, 80 ,, 1 ,, 88 ,,		
(b) Treatment (medical, surgical, optical or hospital supervision)	1 aged 79 yrs. (hosp. supr.) 1 aged 64 yrs. (surgical) 1 aged 81 yrs. (surgical) 1 aged 75 yrs. (optical) 1 aged 82 yrs. (surgical) 1 aged 67 yrs. (surgical) 1 aged 64 yrs. (surgical)	1 aged 64 yrs. (hosp. supr.) 1 aged 84 yrs. (hosp. supr.) 1 aged 75 yrs. (hosp. supr.) 1 aged 66 yrs. (hosp. supr.) 1 aged 72 yrs. (hosp. supr.) 1 aged 43 yrs. (medical) 1 aged 69 yrs. (hosp. supr.)		1 aged 65 yrs. (hosp. supr.) 1 aged 34 yrs. (surgical) 1 aged 67 yrs. (hosp. supr.) 1 aged 69 yrs. (hosp. supr.) 1 aged 46 yrs. (surgical)		
II. Number of cases at I(b) above which on follow-up action have received treat- ment.	1 aged 79 yrs. (hosp. supr.) 1 aged 67 yrs. (surgical)	1 aged 64 yrs. (hosp. supr.) 1 aged 84 yrs. (hosp. supr.) 1 aged 75 yrs. (hosp. supr.) 1 aged 72 yrs. (hosp. supr.) 1 aged 43 yrs. (medical) 1 aged 69 yrs. (hosp. supr.)		1 aged 63 yrs. (hosp. supr.) 1 aged 46 yrs. (surgical)		

# SECTION E

# SANITARY CIRCUMSTANCES OF THE AREA

# HOUSING - SLUM CLEARANCE, 1957

REPRESENTATION	No. of Houses	Date	ACTION
30/32 Durham Street	1	11th June	Closing Order
1-12 Short Street 2a, 4a, 6a, Pennyman Street 1-4 Toll Bar Cottages	19	24th Sept.	Declared Clearance Areas
3-17 Queen Mary Street 8-20, 26, 28, 32-38 Queen Mary Street	20	24th Sept.	For demolition by the Council, being the owners
Foxheads No. 1 Clearance Area Lower Gosford St. Clearance Area Thompson Street Clearance Area Dundas Mews Clearance Area	$\left. \begin{array}{c} 43 \\ 14 \\ 12 \\ 4 \end{array} \right\}$	5th Nov.	Declared Clearance Areas
14, 16, 18 Crown Mews 23, 25 Crown Street	5	5th Nov.	Demolition Orders
Linthorpe Mews Clearance Area	14	26th Nov.	Declared Clearance Area
4 Florence Street 4 Northumberland Street }	2	26th Nov.	Notices under Section 14
22, 24, 30 Queen Mary Street	3	26th Nov.	Demolition Orders
25-29, 31a, 31b, 33a, 33b Dundas Mews	.6	26th Nov.	Subject to future proposals
West Street No. 1 Clearance Area ,, No. 2 ,, ,, No. 3 ,,	$\left. \begin{smallmatrix} 12\\4\\6 \end{smallmatrix} \right\}$	26th Nov.	Declared Clearance Areas
56-70, 27-53 Queen Mary Street 29-59 Prince Charles Street	${}^{22}_{16}$	30th Dec.	Declared Clearance Areas

# WATER SUPPLY.

We are indebted to Mr. G. M. Thompson, Engineer to 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 80 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 bacteriological and chemical analyses are enclosed for the treated water from the two supplies to Middlesbrough, one being the River Tees Supply and the other being a blend of the Lartington Gravitation Supply and the River Tees Supply, the blended water consisting of two thirds Lartington Gravitation 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 sterilisation 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 supplies to houses and lock-up shops for the year ending 31st December, 1957 was 45,851.

# LARTINGTON GRAVITATION SUPPLY.

# Summary of results 1st January-31st December, 1957.

# Chemical results expressed in parts per million except where otherwise stated.

			Average	Maximum	Minimum
pH value			7.1	7.5	6.7
Colour (Hazen Units)			95	150	50
Colour of paper filtered s	ample				
(Hazen Units)			90	140	45
Dissolved solids dried at	180°C.		92	100	83
Free Carbon Dioxide			3.5	10	Trace
Chloride			7.5	10	4
Alkalinity			35	45	25
Total Hardness			50	65	40
Carbonate Hardness			35	45	25
Non-carbonate Hardness			15	20	10
Calcium Hardness			40	45	35
Magnesium Hardness			10	20	5
Nitrogen in Nitrates			.2	1.6	Nil
Nitrogen in Nitrites			.01	6 App .1	Nil
Ammoniacal Nitrogen			.07	.17	Nil
Albuminoid Nitrogen			.10	.24	.045
Oxygen absorbed in 3 hou	urs at 3	7°C.	7.8	12	4.95
Iron			.14	. 36	Nil
Turbidity			< 3	13	Nil
Conductivity			110	125	93
Phosphate as P2O5			< .02	.02	Nil
Silicate as SiO <sub>2</sub>			3.5	5	2

< - less than.

# Bacteriological Results.

Colony count per ml. day at 37°C.		13	36	5
Colony count per ml. days at 37°C.	on agar after 2	17	48	6
Colony count per ml. days at 20°C.	on agar after 3	10	25	1
Percentage of samples g reaction per 100 m	giving a Presumptive		m 	0.4%
Percentage of samples g			ml.	0.4%

# RIVER TEES SUPPLY, BROKEN SCAR, DARLINGTON.

# Summary of results 1st January,—31st December, 1957. Chemical results expressed in parts per million except where otherwise stated.

pH value			Average 7.6	Maximum 8.6	Minimum 7.0
Colour (Hazen Units)			11	40	Nil
Colour of paper filtered s	ample				
(Hazen Units)			7	30	Nil
Dissolved solids dried at	180°C.		155	210	105
Free Carbon Dioxide			2	8	Nil
Chloride			10.5	14	6
Alkalinity			65	110	25
Total Hardness			115	165	65
Carbonate Hardness			65	110	25
Non-carbonate Hardness			50	65	35
Calcium Hardness			105	130	65
Magnesium Hardness			25	40	15
Nitrogen in Nitrates			.4	2.5	Nil
Nitrogen in Nitrites			.002	< .01	Nil
Ammoniacal Nitrogen			.015	.14	Nil
Albuminoid Nitrogen			.053	. 20	.017
Oxygen absorbed in 3 hor	urs at 3	7°℃.	1.45	5.0	0.4
Iron			.07	.44	Nil
Turbidity			4	22	Nil
Conductivity			235	315	150
Phosphate as P <sub>2</sub> O <sub>5</sub>			< .02	< .02	Nil
Silicate as SiO <sub>2</sub>			3	5	Nil
	<	less	than		

# Bacteriological Results.

Colony count per ml. on agar after 1			
day at 37°C	8	21	Nil
Colony count per ml. on agar after 2 days at 37°C.	10	30	Nil
Colony count per ml. on agar after 3 days at 20°C.	13	170	Nil
Percentage of samples giving a Presumtiv reaction per 100 ml.			1.9%
Percentage of samples giving B. Coli (Type I	l) in 100	ml.	0.2%

# 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 1957 from January to December inclusive, are as follows :---

No. 1 Pool					115,260
Nr. 2 D. 1	• •	• •	• •	•••	32,977
	• •		• •		
					65,581
Ladies' Slipper Baths					14,878
Forces					1,044
Turkish Baths					7,343
Russian Baths					1,781
Radiant Heat Baths					898
Seaweed Baths					27
Brine Baths .:					2,059
Zoto-Foam Baths					33
Schoolchildren					85,394
Cannon Street Baths					19,772
Dacre Street Baths					21,885
		Gra	and To	368,932	

#### 55,927 Bathers, Increase on the 1956 figures.

Five Life-Saving competitions have been held in the baths for the perpetual trophies, also one at Scarborough, this being in the open air pool. The awards gained by the schoolchildren have increased tremendously compared with the year 1956 and in one school alone, over one thousand awards have been gained. With regard to the new method of artificial respiration (Holger Nielsen) hundreds of boys between the age of 12 and 15 years have gained an award, and I have suggested to the Baths Committee that this method of resuscitation be taught in all schools to children from the age of 9 years before they can even swim, this would then give non-swimmers the knowledge of how to deal with drowning cases without the necessity of having to leave the victim until help can be obtained.

Members of the Police Force are taking a very keen interest in swimming and life-saving and they have won several trophies in the town and district. I have much pleasure in recording my thanks to Mr. R. Davison for the facilities granted to the members of the force which have enabled them to get to the top, also for the personal interest taken in the life saving. I would like to record my thanks to Inspector L. Sample, Hon. Secretary of the North and East Yorks Branch for the unseen work done by him which has helped the Branch to become a success, also to the police officers of the Life Saving Committee.

The Middlesbrough Baths possess a most up-to-date filtration plant which copes with the many thousands of bathers in a year and keeps the water in tip top condition and despite the heavy load on the swimming baths, especially during the school holidays it is pleasing to note and report that the water in both pools has been maintained in a very satisfactory condition of bacteriological and chemical purity. Frequent tests are taken 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 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 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.

The Boiler plant in the baths is the most up-to-date one in the country. Two Lancashire boilers 24 ft. x. 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 all 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, one a rotary washer, and the other an end loading machine, two hydro-extractors, one large callender ironing machine, and one large drying cupboard. All machines are electrically driven and independent of each other, each having a separate motor.

There are 37 slipper baths installed in the building for men and women, these are used to their full capacity every day. Of the above number there are only five slipper baths for women and a scheme is going forward from the Baths Committee to install more baths on the present site.

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

At the Cannon Street Baths establishment 8 more new baths have been installed and there are now 20 baths in use, this is a very big help in catering for the people in that area where slipper baths do not prevail in their homes.

The baths at Dacre Street are very up-to-date, there are 17 baths installed in the building and although there are new flats in that area, the baths are very well patronised.

#### 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 1in. yds.	Drains lin. yds.	Total lin. yds.
By Local Authority	 	2,249	14,630	16,879
By Private Enterprise	 2.1	500	2,890	3,390

# PUBLIC CLEANSING.

The Cleansing Superintendent, Mr. W. A. Turner, has kindly supplied the following information.

During the year under review 38,520 tons of house and trade refuse were collected and disposed, as compared with 37,996 tons in 1956.

Disposal was as follows :---

Separation and In	ncinera	tion	1 ons 29,846	77.48
Controlled Tippin			7,776	20.19
Waste Food Con		or	805	2.09
Organic Plant			93	. 24
			38,520	100.00

Of the 805 tons of Kitchen Waste treated at the Waste Food Concentrator, 209 tons were purchased from other Local Authorities.

To overcome the overloading of the Stockton Road Disposal Plant, controlled tipping at Eaglescliffe was commenced on the 26th August, 1957. A further tipping site will be developed at Guisborough in the near future.

3,945 tons of salvage were recovered during the year and sold for the sum of  $\pounds 20,326$ ; the figures for 1956 were 4,659 tons and  $\pounds 25,082$ .

On the 1st April, 1958, the Cleansing Committee took control of Street Cleansing, road gritting and snow removal, the staff and equipment being transferred from the Borough Engineer's Department.

Five S. & D. Freighter Fore and Aft tipping vehicles were purchased to form the basis of a new fleet of Refuse Vehicles, and to enable refuse to be transported to the two new Controlled Tips.

An Angledozer was also purchased to operate on these sites. Other purchases included a new additional Mechanical Street Sweeper and three Electric Orderly Trucks. I am indebted to Mr. H. Whitfield, Chief Public Health Inspector for the following sections :--

# THE SANITARY AND BATHS COMMITTEE. Appointed May, 1957.

Chairman : Alderman J. G. Boothby

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

Alderman W. Flynn

Alderman M. C. Newton Alderman J. Slater

Alderman L. Taylor

Alderman E. Whatley, M.B.E.

Councillor J. N. Bennington Councillor J. A. Brown, J.P. Councillor A. T. Crosby Councillor C. L. Elder, M.B. Councillor W. Grosvenor Councillor J. P. Newhouse. Councillor N. Peters Councillor R. I. Smith Councillor W. J. Story Councillor G. R. Thompson Councillor J. Wilson

# STAFF.

Public Health Inspectors :---

D. Anderson (From 1.8.57)

\*\* A. Chisholm

\* D. B. Coull

\*\* G. Elliott

\*\* R. C. Green. (From 1.5.57) W. D. Grey (From 1.7.57)

\*\* L. A. Harrison

\*\* L. Himsworth

F. Holloway

\*\* G. Stewart

Pupil Public Health Inspectors :--

E. W. Kelley

M. D. Nayman

D. H. Thompson

Technical Assistants :---

H. Butterfield (From 1.7.57)

G. H. Camm (From 1.7.57)

Shops Inspector :--

R. G. Thompson

Rodent Officer :--

G. W. Tyreman

Chief Clerk :--

P. E. Taggart

Clerks :— A. W. Burns (To 7.1.57) P. Thomas (From 1.8.57) Shorthand Typists :---K. M. Milner E. G. Proudfoot P. R. Basham

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

# SANITARY INSPECTION OF AREA.

Description of wor	rk ca	rried ou	t during	the las	t five ye	ears :
		1953	1954	1955	1956	1957
Number of :						
Inspections made		11,350	11,816	11,103	8,855	9,253
Re-inspections made		16,274	17,980	18,882	14,145	11,125
Food Inspections		4,592	4,081	5,868	6,307	5,716
Interviews		1,172	1,431	2,108	1,927	1,700
Smoke Tests applied to						
New Drains		135	29	4		
Old Drains		14	10	37	27	21
Drains cleared with Cooper's Vacu						
Pump (Free of cost to ow	 (ners)	1,579	1,640	1,726	1,688	1,450

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

# Drainage.

0						1	957
Choked	or def	active				Notices Served. 383	Nuisances Abated. 383
Yard Gu			• •	• •	• •	29	22
			• •	• •	• •	4	1
Yard Gu Yard Gu	Illy Gr	otinge	• •	• •	• •	10	1
Sink Wa			• •			114	85
SHIK Wa	ste Fij	Des	• •	•••	• •	114	05
Waterclosets.							
Choked	or defe	ective				133	133
Joint bet	ween	basin a	nd drai	in		9	6
Joint bet	ween f	lushpi	pe and	basin		22	14
Basins						124	92
Cisterns						322	239
Seats						134	70
Flushpip						5	4
Burst wa	iter ser	vice pi	pes			132	91
Roofs						149	71
Walls						111	60
Wallplas	ter					139	73
Floors						28	17
Doors						148	75
Doorfra	mes	••	• •	• •		91	57
Coalhouses.							
Roofs						62	33
Walls						45	23
Floors						1	
Doors						113	57
Doorfrai	mes					65	37

# Houses.

Chimmen					02	£1
Chimneys	• •		• •		83	51
Roofs					570	338
Spoutings and F	allpip	es			678	416
Walls					435	180
Wallplaster					259	170
Ceilings					130	65
Floors					141	78
Skirting boards					10	6
Sashcords					180	118
Windows					341	151
Doors					225	123
Doorframes					26	11
Handrails					23	11
Stairtreads					27	17
Fireplaces					63	33
Fireranges					13	7
Ovens					1	1
Flues					24	24
Set-pot Boilers					9	5
Gas Washing Bo					20	9
Absence of wash			odation	1	5	4
Burst water serv			ouation	• • •	68	64
m1 1					57	35
Absence of wate		Ju			17	17
Yard Walls					131	73
V ID				• •	151	92
Yard Doorframe		•••			85	40
				• •	98	49
Back Passage Su						
Dustbins					947	787
Accumulation of					3	2
Miscellaneous w			sified		333	234
Summary : Not	tices se	erved				to cover
						nuisances
Ni	uisance	es abate	ed		4,858	

# Summary of Nuisances abated during the last 5 years.

	1953	1954	1955	1956	1957
Notices Served	5,675	6,284	6,572	4,941	3,716
Concerning Nuisances	9,673	13,169	11,785	9,695	7,525
Nuisances Abated	6,801	9,220	9,121	7,242	4,858

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 dange	rous stru	ctures	 	
Miscellaneous			 	49

# Infectious Diseases.

During the year 605 houses have been inspected, incurring 112 re-inspections, compared with 414 inspections and 134 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 330 as compared with 300 last year.

# Offensive Trades.

Number on Register		 		19
Tripe Boiling		 	 4	
Fat Melting		 	 3	
Blood Drying		 	 2	
Fat Extracting		 	 3	
Hide and Skin De	alers	 	 1	
Rag and Bone De	alers	 	 5	
Gut Scraping		 	 1	
Number of Inspections	5	 		25

The whole of the Offensive Trades on the Register have been conducted satisfactorily, and in no instance where any minor alterations 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.

	Of	ficial Roo	lent Office	Rat Clubs.			
Year	Visits	Baits Laid	Rats Killed	Mice Killed	Visits	Rats Killed	Mice Killed
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	
1957	2,475	1,004	1,220	83	136	1,228	

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, 11 Cinemas and 2 Theatres.

The Public Health Act empowers Local Authorities to inspect the sanitary condition of Cinemas, Theatres, etc., and 17 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 mad	le .					74
Number of letters sent re r	ninor c	contrav	ention	s, alter	ra-	
tions to premises, etc						6

In all cases where a new business has been established, washhand 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.

The good standards which prevailed in the establishments has been continued—only minor contraventions of the Bye-laws have been found.

#### Shops within the Borough.

Bakers and	i Confe	ctioners	 	 	 73
Boot and	Shoe D	ealers	 	 	 31
Boot and	Shoe Re	epairers	 	 	 44
Butchers			 	 	 139
Cars and G	Garages		 	 	 32
Coal Deal	ers		 	 	 49
Cycles			 	 	 28
Chemists			 	 	 47
Dairies			 	 	 9

Departmental Stores	5						18
Drapers .							70
Entertainmente							13
Fish Friers							112
Fishmangara							31
Fruiterers							98
Eneritarea							38
General							345
Glass and Fancy Go	ods						12
Grocers							195
Hairdressers (Ladies							66
Hairdressers (Gents)							53
Ironmongers							43
Y 11			• •				20
Newsagents and Tol				• •	• •	• •	113
		11515	• •		• •	• •	34
	• •	• •	• •		• •	• •	24
		• •	• •			• •	
1			• •			• •	31
Radio and Electrical		• •	C.1.		• •	• •	47
Restaurants (includi	ng Ice	e-cream	Saloo	ns)			55
		• •					65
0	• •						20
L							3
							32
							74
Miscellaneous							66
				Tota	al		2,130
Number of Visits							2,943
Number of Patrols		100	2023				11
Shops Opened							111
Shops Closed down							170
					1		
Additional Sanitary	and	Washii	ng Aco	commo	dation	has	been

provided in 13 instances.

# Retail Stalls.

			No. Stalls	No. Days Open Weekly
(a)	Street Traders	 	 60	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.

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

During the year, 122 visits were paid under the Act.

#### Camping Sites.

One site is being used as winter quarters by members of the Showman's Guild—members of which are exempt from action under the Public Health Act and Local Act. Frequent inspections of the site are carried out and at no time has there been cause for complaint as the standard laid down by the Guild has been complied with.

# Verminous Premises.

Number of Inspections			 503
Number of Premises defested by the D	epartr	nent	 246
Warning letters sent to tenants			 22
Warning letters sent to owners			 6
Reports to Medical Officer of Health			 15
Reports to Housing Department			 14
Other Letters sent			 3

# Houses Defested by Department.

Bed Bugs	 	-	16
		Other premises	
Cockroaches	 	Dwellinghouses	94
		Other premises	15
Fleas	 	Dwellinghouses	6
		Other premises	
Miscellaneous	 	Dwellinghouses	11
		Other premises	4

Although treatment for the eradication of Bed Bugs continues, each year the number of houses requiring same is diminishing. It is the practice to spray bedding and furniture of tenants of slum clearance houses with 5 per cent. D.D.T. solution, prior to removal. The ready co-operation of the tenants has been given, and in several cases new bedding and furniture is provided. The old articles are destroyed by incineration. The action of tenants in purchasing new articles is commendable, as a "Clean" start is made in their new surroundings.

There is very little cause for complaint of infestations in Council owned houses, the defestation of which is carried out by the Housing Department. With the amenities for washing clothes, and personal ablution being provided, clean habits are more easily formed than in the old surroundings where fixed baths are unknown. Housework is not so laborious, and more free time can be given to the proper upbringing of the family.

#### Factories Act, 1937.

There are 425 Factories on the Register, as follows :--

				With Mechanical Power	Without Mechanical Power
Bakehouses				 34	7
Joiners and Und	iertake	rs		 40	2
Printers				 8	1
Motor Engineer	s			 45	1
m . m .				 12	
Tailoring, etc.				 14	2
Mantle Alteratio				 8	9
Upholstery				 11	4
Cabinet Makers				 3	
General Enginee	ering			 56	6
Electrical Engin	eering			 14	1
C D 'I'				 3	1
Laundries				 10	
Monumental M	asons			 2	
Miscellaneous				 118	13
		T	otals	 378	47
					Con announce of

Number of Inspections (including works

of	Building	and	Engineering	Con-	
-	(				1

struction) .. .. 620

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		 35
Change of Business	 	 8
New Premises	 	 6
Sanitary Defects, etc.	 	 36

#### Notices Served under the Act :--

(Concerning the following Defects)

General Cleanliness	 	 5
Overcrowding	 	 
Drainage of Floors	 	 
Inadequate ventilation	 	 

Sanitary Conveniences :---

(a) Insufficient	plos					1.		11
(b) Unsuitable or def								8
(c) Inadequate ventil							•	3
(d) Not separate for s	sexes	•	•	•	•	•	•	11
(e) Cleanliness	Seit d	•	•	•	•			1
Miscellaneous		•					100	7

The whole of the nuisances were remedied with the exception of 7 items.

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

New	 	 	 5
Amended	 	 	 

#### Home Work (Section 110 and 111) :--

Nine lists of Out-workers (or Home-Workers) were received in the first half of the year and 11 for the second half.

Number of Lists of Out-Workers received	 20
Number of Employers	 11
Number of Out-Workers' premises inspected	 6
Number of Out-Workers-1st half of year	 28
Number of Out-Workers-2nd half of year	 29

#### 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 Formal	 	-
Number Informal	 	20
Number conforming to standard	 	20
Number Not Conforming to Standard	 	

#### Fertilisers and Feeding Stuffs Act, 1926.

Number of Samples taken				17
Number Formal				3
Number Informal				14
Number Conforming to Declaration		2		11
Number Not Conforming to Declaratio	n			6

6 Samples failed to comply with the provisions of the Act, being 3 Informal and 3 Formal "Follow-up" samples, as follows :----

BASIC SLAG AND CHRYSANTHEMUM FERTILISERS.—2 Informal, and 2 Formal "Follow-up" samples were declared not to conform to the official declaration printed on the package in which the fertilisers were sold. The facts were reported to the Ministry of Agriculture, Fisheries and Food who instructed that no further action be taken against the vendors, but that the matter be taken up with the Local Authority in which the supplying factory is situated. This action was taken.

GENERAL FERTILISERS.—1 Informal and 1 Formal "Follow-up" sample were declared not to conform to the official declaration printed on the packet in which the fertiliser was sold. These facts were also reported to the Ministry of Agriculture, Fisheries and Food who instructed that in view of the fact that the limits of variation had been exceeded by such a small amount, and that both errors were in favour of the purchaser, no further action be taken.

#### Pharmacy and Poisons Act, 1933.

Poisons Rules, 1935.

Ninety-four 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, 10 premises were licensed, as follows :--

Birds, Fishes, Dogs and	other anima	ls	6
Dogs and other animals			1
Tropical Fishes			2
Birds, Fishes, Dogs and	other anima	ls	1
	(Marl	ket Stall)	

#### Smoke, Grit and Fume Nuisances.

In order to asses 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 :—

AUGE RECORDINGS, 1957. NNON STREET RECORDENT WORKS	D E A B C D E	11         50         11         51         50         12.0         20           2         2         2         2         1         2	8-68 20 11.56 23 11.20 25 8-99 20 8-86 21	81 22 29 1.51 5.42 14:52 11:83 26	OUTH BANK MILLBROOK AVENUE; B.F. D.	D. E. A. B. C. D. E. 12:55 39:10 1:23 54 943 5:94 15: 948 26:88 1:71 54 1344 4:06 17:	W 100         W 100 <th< th=""><th>1733         1.9         5.3         1.9         5.3           1733         1.9         5.3         1.9         5.3         3.9           1743         1.4         5.3         1.9         5.3         3.9           1743         1.4         5.3         1.9         5.3         3.9           1745         1.4         5.3         1.9         3.9         3.9           1745         1.7         1.8         1.9         3.9         3.9         3.9           1745         1.7         1.8         1.9         3.9</th><th>LL SCHOOL SPECIAL SCHOOL BOMAN BOAD</th><th>. B. C.</th><th>88         +15         83           718         1104         125         54         67         549         124           88         718         1104         175         54         473         1246           81         1104         176         55         430         1246         124           81         1104         176         55         430         1246         124           81         1104         196         55         146         266         1246           81         1104         156         146         266         1246         266         1246           81         146         156         146         266         1246         266         1246         266         1246           81         166         56         1246         56         1246         56         1246           81         168         56         1246         56         1246         1366           81         146         956         1246         1246         1266         1266           81         146         956         1246         1366         1266         1266           81<!--</th--><th>474         133         541         748         430         12           454         1047         133         541         748         430         12           454         1047         143         541         122         813         20           454         1047         143         543         1362         649         20           732         1146         241         449         1149         548         13         24           732         1143         144         548         838         649         11           732         1143         838         838         838         634         14</th><th>2.0/ 12.12 1.00 2.30 10.0/ 0.40 1/</th><th>2. S. SW. W. NW. Calm No.</th><th>9         90         800</th><th>44 10 68 222-33 (48 44 77 64 13 58 17 29 17 29 17 18 17 18 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18</th><th>06 36 46 147 84 210 26 65 03 65 64 20 87 9</th><th>REFERENCES. - Randfall in indus. - Priv Value. - Privalise Solids - Solides Solids - Total Solids - Total Solids - Express digre of acidly or adhalinity of water. Blow 7.0 abress addity (represented by coal tar, phonols, etc.) are adding (represented by coal tar, are addity (represented by coal tar, addity (represented by coal tar, a</th></th></th<>	1733         1.9         5.3         1.9         5.3           1733         1.9         5.3         1.9         5.3         3.9           1743         1.4         5.3         1.9         5.3         3.9           1743         1.4         5.3         1.9         5.3         3.9           1745         1.4         5.3         1.9         3.9         3.9           1745         1.7         1.8         1.9         3.9         3.9         3.9           1745         1.7         1.8         1.9         3.9	LL SCHOOL SPECIAL SCHOOL BOMAN BOAD	. B. C.	88         +15         83           718         1104         125         54         67         549         124           88         718         1104         175         54         473         1246           81         1104         176         55         430         1246         124           81         1104         176         55         430         1246         124           81         1104         196         55         146         266         1246           81         1104         156         146         266         1246         266         1246           81         146         156         146         266         1246         266         1246         266         1246           81         166         56         1246         56         1246         56         1246           81         168         56         1246         56         1246         1366           81         146         956         1246         1246         1266         1266           81         146         956         1246         1366         1266         1266           81 </th <th>474         133         541         748         430         12           454         1047         133         541         748         430         12           454         1047         143         541         122         813         20           454         1047         143         543         1362         649         20           732         1146         241         449         1149         548         13         24           732         1143         144         548         838         649         11           732         1143         838         838         838         634         14</th> <th>2.0/ 12.12 1.00 2.30 10.0/ 0.40 1/</th> <th>2. S. SW. W. NW. Calm No.</th> <th>9         90         800</th> <th>44 10 68 222-33 (48 44 77 64 13 58 17 29 17 29 17 18 17 18 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18</th> <th>06 36 46 147 84 210 26 65 03 65 64 20 87 9</th> <th>REFERENCES. - Randfall in indus. - Priv Value. - Privalise Solids - Solides Solids - Total Solids - Total Solids - Express digre of acidly or adhalinity of water. 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Calm No.	9         90         800	44 10 68 222-33 (48 44 77 64 13 58 17 29 17 29 17 18 17 18 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	06 36 46 147 84 210 26 65 03 65 64 20 87 9	REFERENCES. - Randfall in indus. - Priv Value. - Privalise Solids - Solides Solids - Total Solids - Total Solids - Express digre of acidly or adhalinity of water. Blow 7.0 abress addity (represented by coal tar, phonols, etc.) are adding (represented by coal tar, are addity (represented by coal tar, addity (represented by coal tar, a
OUGH - DEPOSIT G GAS WORKS, CAI	F A R C		22 45 45 16 45 16 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 54 13 55 13 55 13 55 13 55 13 55 13 55 13 55 13 55 13 55 13 55 13 55 55 13 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 55 13 55 13 13 55 13 13 55 13 13 5 55 13 13 12 5 5 5 11 12 5 5 5 11 12 5 5 5 11 1 2 5 5 11 1 2 5 5 11 1 2 5 11 1 2 5 1 1 1 2 2 1 1 1 2 2 2 2	1-95 1-61 5-50 12-48	ARD : ALLOTMENT, SOU ROAD	26 1.04 58 26 29 1.61 58 26 29 1.61 58 17	0.056 558 10 0.056 558 21 0.056 558 21 0.056 558 21 0.056 559 23 2.10 559 23 2.21 559 259 23 2.21 559 23 2.21	08 145 581 25 282 1151 557 25 131 557 257 257 16 142 560 22 16 142 560 22 155 159 250 22 156 153 558 250 22 155 558 250 250 22 155 558 250 250 250 250 250 250 250 155 558 250 250 250 250 250 250 250 250 250 250	ROAD ACKLAM HAL	E. A. B. C.	22355555555555555555555555555555555555	19         1.99         5.88         8           81         1.69         5.88         5         8           10         5.80         5         5         8           11         65         5         8         5         8           11         5         5         80         5         5         8           11         6         5         6         1         8         5         6         1         8         1         6         1         8         1         5         6         1         8         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1         5         6         1 <td>1 01-</td> <td>Z</td> <td>10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10</td> <td>91 67 00 83-71 20 70 83 86-21 88 65 46 118-38 118-38 96-79 80-70 39-87 74-75</td> <td>73 61-99 88-75</td> <td>e Mille </td>	1 01-	Z	10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10           10         10         10         10         10	91 67 00 83-71 20 70 83 86-21 88 65 46 118-38 118-38 96-79 80-70 39-87 74-75	73 61-99 88-75	e Mille 
BOROUGH OF MIDDLESBR	A D D D		48         5-53         11-57         8-68           50         5-90         12-94         10-71           21         5-90         17-87         9-58           83         4-97         13-36         5-67           30         5-27         13-31         6-66	1-46 5-31 13-81 8-14 2	HARBOUR MASTER'S YAI DOCKS	B. C. D. 75 4.0 7.59 11.67 17 4.1 12.56 11.71	40 10.27 17.77 40 10.27 7.28 40 10.21 6.20 40 10.21 8.99 40 10.31 8.94 40 10.31 8.94 40 10.32 8.12 40 10.32 8.12 40 10.33 8.13 40 10.33 8.13 40 10.34 40 10	12.91         10.17           13.26         10.16           13.01         9.27           10.65         5.68           10.43         4.73           12.65         8.00	THE GABLES, MARTON R	A. B. C. D.	1         0	5-29 8-10 6-09 5-24 9-66 9-15 5-24 10-93 8-45 5-15 8-77 11-01 5-15 8-77 11-01	3 2	A. B. C. D.	100 100 100 100 100 100 100 100 100 100	1         -60         5         75         10         95         5           1         -60         5         75         10         95         5           1         -84         5         78         14         9         9           1         -48         5         58         14         84         8         7           2         -19         5         -15         14         84         8         7         14         8         8         14         84         8         1         1         9         1         1         42         8         1         1         9         1         1         9         9         1         1         9         9         1         1         9         9         1         1         9         9         1         1         9         9         1         1         9         9         1         1         9         1         1         9         9         1         1         9         1         1         9         1         1         1         9         1         1         9         1         1         1         1 <td< td=""><td>1-75 5-57 12-79 7</td><td>1937        </td></td<>	1-75 5-57 12-79 7	1937
COUNTY BO		Manuny Article and a second and		Average over 5 years	HINOM		Alanti Adari Adari Inan Alati Inan Alati A	::::::::::::::::::::::::::::::::::::::	HINOM		Jamary Arthury March Mar		Average over 5 years		January January January January Manaka M		te over 5 years	Average Deposit over Town : 5 Years' Ave Average-Industrial Areas : 5 Years' A Average-Non-Industrial Area (4 Gauges) 5 Years' 5

ELECTRICITY WORKS, SNOWDON ROAD	Fe <sub>2</sub> O <sub>3</sub> Gauge Matter Matter Matter Matter Matter Fe <sub>2</sub> O <sub>3</sub>	2.31 2.31 7.31 0.31 5.60 2.23 2.35 7.32 0.31 12.07 5.71 5.10 5.35 0.13 12.07 5.71 5.10 4.49 4.49 4.49 4.49 2.18 Removed to Extended Found (Readential Area)	3-31 0-12 9-39 3-78 3-51 - 3-40 0-12 9-27 3-31 3-40 - 3-64 0-27 9-27 4-48 3-68 - 2-70 0-14 8-92 4-43 1-68 - 2-70 0-14 8-92 4-40 4-31 7-98 3-16 0-12 9-17 4-03 4-31 -	MILLBROOK AVENUE, B.F. EST. 142	93 0-19 13-81 4-43 1-80 93 0-12 10-43 3-43 2-42 99 0-13 19-49 6-32 3-69 99 0-13 9-41 4-14 3-24 90 0-13 9-14 10-34 3-67 4-27 66 0-14 110-34 3-67 4-29 3-08 95 Catal Science Roman Roman Rec	3 23 1 25 1 35 3 23 1 25 1 35 8 25 3 31 0 55 2 76 1 89 1 25 5 79 2 02 1 01	5 01 2 17 1 04 5 87 2 89 2 16 6 00 4 46 1 85 3 85 2 64 2 35 1 5 78 3 27 1 89	RENCES d in Tons per Sq. Mile rans per 100 Sq. Centimeters per day.	A REAL OF A	1957 1956 1955 1954 1953 Average	1-55 1-59 1-78 2-80 2-62 3-27 9-73 9-47 9-81 8-91 7-58 9-10 9-73 9-47 9-81 8-91 7-58 9-10 2-34 2-93 3-51 7-758 9-10 2-34 2-93 3-51 7-17 3-19 1-97 1-87 1-64 1-68 0-53 1-48	Henry Whitidid, Chief Pohie Health Inspector, Health Department, 26 Southfield Road, MIDOLESBROUGH,
GAS WORKS, CANNON STREET	Gauge           SO <sup>2</sup> SO <sup>2</sup> Matter           Matter           Ash           Matter           Fe <sub>2</sub> O <sub>3</sub>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	53         0-17         9-05         2-90         3-22           19         0-14         7-66         3-44         3-54         3-54           19         0-14         7-66         3-44         3-54         3-54         3-54         3-54         3-54         3-54         3-54         3-54         3-54         3-54         3-54         3-66         3-17         7-78         3-68         3-11         13         0-17         7-78         3-48         3-24	MENT, SOUTH B	89 0.21 21.06 5.23 3.78 2 90 0.16 23 81 495 2.57 1 22 0.16 1764 5.49 5.49 1 22 0.17 1866 503 4.74 1 23 0.21 1866 503 4.74 1 25 0.18 1941 5.3 4.12 1 ACKLAM HALL SCHOOL		0.98 0.00 5.11 2.54 2.54 1.24	REFEI Fe <sub>4</sub> 0 <sub>3</sub> Alatter Tary Matter Tary Matter Combushe Matter S0 <sub>3</sub> Guages – Expressed in Millig S0 <sub>3</sub> Guages – Expressed in Millig		NUN-INUUSIKUAL AKEA Overall 1957 1956 1955 1954 1953 Average	2.69 2.98 2.93 2.04 1.55 2.44 9.07 2.49 0.14 0.14 0.13 0.15 9.07 2.41 9.13 7.54 5.08 7.65 2.90 2.57 4.15 3.25 2.02 3.11 1.55 2.50 3.05 3.03 3.31 2.61 1.66 1.56 1.05 0.80 1.35	
STOCKTON ROAD	Fe <sub>3</sub> O <sub>3</sub> Solphate           Matter           Solphate           Matter           Ash           Matter           Ash	2.87 1.43 1. 16.08 3.97 5 4.84 2.24 1 4.84 2.24 1 6.10 2.87 1		HARBOUR MASTER'S YARD, DOCKS 176	8-49 3-84 3-01 9-05 4-12 3-38 6-08 3-85 3-19 5-79 3-58 1-54 7-49 3-88 1-54 7-49 3-85 2-66	0.10 50000 00000 00000 00000 00000 00000 00000	2 -28 1 -87 2 -24 2 -98 3 -20 3 -21 2 -48 3 -51 1 -94 4 -59 2 -43 3 -23	SIDE NURSERV, PARK		INDUSIKIAL AKEA Overall 1957 1956 1955 1954 1953 Average	4.12 3.97 4.35 3.27 3.34 3.81 0.15 0.12 0.15 0.15 0.16 0.15 0.16 0.82 0.15 9.15 9.16 0.15 3.41 3.92 4.87 4.43 4.13 4.15 2.86 3.38 3.83 3.43 3.44 2.25 2.07 1.17 1.10 0.84 1.60	
	HINOM	Faturary Faturary March March May June June Satistat Satistat Cotober October Docember	Average 1957 do. 1956 do. 1955 do. 1953 do. 1953 Overall Avge.	January February February March March June September September December December	Average 1957 do. 1956 do. 1955 do. 1953 do. 1953 Overall Avge	Jamaary February February Mara Mara Jana August August Cochere Occoere Docember	Average 1957 do. 1956 do. 1955 do. 1955 do. 1953 Overall Avge.	January February February March May March May March Ma		ITEM	Fe <sup>2</sup> O <sup>3</sup> Tarry Matter Ash Combustible Matter Suphate as SO <sub>4</sub>	February, 1958

#### Clean Air Act, 1956.

#### 1. Prior Approval

Four applications were made as follows :---

Two concerned replacement of 3 Lancashire Boilers by 2 Economic boilers with oil burners at a Mental Hospital and the other at a General Hospital where it was proposed to instal an Economic boiler with chain grate stokers. In both cases it was found that the boilers had been ordered prior to the appointed day, viz :---31st December, 1956, and prior approval was not therefore necessary.

The third application was from a dairy, to replace a sprinkler stoker with one of similar pattern. The Council decided that approval would not be given.

The fourth application concerned a multiple store desiring to instal an incinerator to dispose of approximately 2 tons daily, of paper cardboard, etc. It was pointed out that smoke nuisance would undoubtedly occur, and the Council could not give approval, but suggested the removal of the paper, etc., daily, by the Cleansing Department. To this suggestion the firm agreed. The arrangement appears to be working satisfactorily.

#### 2. Smoke Control Area :--

Application for approval to survey an area containing 1,746 properties and 1 school was granted by the Ministry of Housing and Local Government. In addition, a further 1,100 houses are proposed to be erected within the area by the Town Council.

The survey showed ownership as follows :---

1,257 by the Corporation120 by Owner/Occupiers365 and 4 Flats by a Trust Estate

Two technical officers were appointed to carry out the survey. The cost of conversions and adaptation was presented to the Council and this is being considered. A final decision to forward an application to the Ministry had not been made by the end of the year.

#### Social Clubs.

Number	on	Register	 	 	57
Number	of	Inspections	 	 	66

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	e Local	Autho	ority			627
(2) Erected by oth	her per	sons				124
(3) Houses demol	lished				bigg a	21
The ward distribution	n of the	houses	s referi	ed to i	s as fo	ollows :-
Acklam Ward						79
Clairville Ward						1
Crescent Ward						1
Grove Hill Ward						3
Linthorpe Ward						5
Park Ward						21
St. Hilda's Ward						80
Thorntree Ward						548
Tollesby Ward						2
Whinney Banks W	ard					11
			Тс	otal		751
sing Act. 1957-Sect	ion 9					

#### Housing Act, 1957-Section 9.

Informal Notices served		 	 8
Formal Notices served		 	 5
Notices completed		 	 9
(a) By owner		 	 8
(b) By Corporation in	default	 	 1

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

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

## Housing Act, 1957. Section 17 : Sub-Section 1.

Number of Houses in respect of which a Closing Order was made ......

5

#### Overcrowding.

During the year, 15 visits were made to houses known to be overcrowded.

#### Rent Act, 1957.

As only four months working of the Act can be reviewed it is too early to assess its ultimate value to Public Health Inspectors. It does appear that as the onus for repairs is placed squarely upon the shoulders of owners by their acceptance of rent increases, there should be a reduction of complaints and consequently less action required under the enforcement provisions of the Public Health and Housing Acts.

To the end of the year, 276 applications for certificates of disrepair were made to the Town Clerk's Department, and each case was investigated by the Inspectorial staff. The arrangements made have worked very smoothly. The number of applications is much less than some anticipated. Some Estate Agents placed orders with their contractors immediately on receipt of the tenant's application by "G" form, with the result that speedy attention was given. Some tenants have realised that the rents previously paid were not economical to the owners, and have accepted the increases without demur. As was envisaged, the preparation of the schedule of defects by the occupiers was beyond the capacity of some.

A perusal of the applications proves one difficulty, as quite a number included as defects, items which were undoubtedly "improvements", not realising that in addition to the increased rent, the owner could increase the rent by a further 8% of the cost of "improvements" once agreement was reached by the owner and tenant for the improvement to be made.

#### Common Lodging Houses.

Number of Houses					7
Number of Keepers					7
Number of Inspections					25
Number of Lodgers who	car	n be acc	ommod	lated	
					239
Number registered during					1
Number closed or discon-					
Number of Notices a	nd	Letters	re rep	airs,	
cleanliness, etc.					18

During the past few years there has been an influx of coloured people to the town. A survey is being undertaken to ascertain the number of houses occupied by these people.

From general observation it does appear that the standard of hygiene in such houses generally is not equal to the British standard, and it will take some time to educate the occupants to a better way of life. It has been found necessary to impress upon some that the back yard is not the place to kill and dress sheep and hens, and further education is needed to use the dustbin as the refuse receptacle and not to strew the yard surface with entrails, etc. Apart from sea-going men, quite a number of coloured people are employed in local works where the money earned is far in excess of their ordinary daily needs—thus these immigrants are in a position to save money for the purchase of houses.

It is further difficult to impress upon the people that they must conform to conditions which will not cause overcrowding. Coming from warmer climates they have a tendancy to crowd together to keep warm, and seldom if ever, is ventilation satisfactory, as bedroom windows are kept closed.

Some years ago, at the instigation of the then Mayor, an "All Nations Society" was formed with the object of contacting and bringing immigrants into the Society. The objects of the Society were to bring the people into closer contact with the residents; to hold talks on the British way of life in order that in time the immigrants would be accepted into the cultural life of the town. The then Borough Treasurer was one of the driving forces behind the movement, but upon his retirement the Society appears to have lost his services and is now defunct

a second a constant of Classic state where with the State

## SECTION G

#### INSPECTION AND SUPERVISION OF FOOD

#### Bacteriological Examination of Graded Milk.

452 Samples were procured during the year and submitted for examination. 329 or 72.79% were found to be satisfactory to the statutory test, and 123 or 27.21% unsatisfactory.

#### Summary.

Grade T.T. (Certified) Tuberculin Tested		umber aken 28 424	6.19 93.81	Num Satisfa 30	ctory		umber U tistactory 6 117	
Total		452	100	32	29	_	123	
Samples wer	e fo	und to	be s	atisfac	tory a	as follow	/s :	
On 1st Te	st						2	59
On 2nd To	est							52
On 3rd Te	st							10
On 4th Te	st							4
On 5th Te	st							2
On subseq	uent	Tests						2
						Total	3	29
Origin			of No cers S	o. of amples	Satisf No.	actory	Unsati No.	sfactory
Inside the Borough Outside the Borough	 	3 92		12 440	11 318	91.67 72.27	122	8.33 27.73
Total		95		452	329	72.79	123	27.21

#### Analysis of Unsatisfactory Samples :---

					Winter	Summer	Total
Decolourised	in	+	hour		 2	7	9
,,	,,	1	,,		 3	8	11
,,	,,	11	,,		 2	5	7
,,	,,	2			 8	12	20
,,	,,	24	,,		 2	2	4
,,	,,	3	,,		 3	8	11
,,	,,	34	,,		 4	9	13
,,	,,	4	,,		 8	8	16
,,	,,	41	,,		 5	13	18
,,	,,	5	••		 3		3
**	,,	51	••		 11		11
		~					
				Total	 51	72	123

Of the number of Graded Milks unsatisfactory, 122 samples were from outside the Borough, having been procured from 55 producers. Notification of the results was given to the County Milk Regulations Officer, Ministry of Agriculture, Fisheries and Food.

From 37 farms outside the Borough, and 2 farms inside the Borough, a total of 107 samples were procured, and in every case the milk was satisfactory.

Year	Total	Satisfactory	%	Not Satisfactory	%
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
1957	452	329	72.79	123	27.21
Total	2,297	1,838	80.02	459	19.98

#### Summary of Bacteriological Milk Samples taken over last 5 years.

It is again disappointing to report that the number of unsatisfactory samples has increased, and the number of those unsatisfactory is higher than has occurred during any of the previous 5 years.

#### Rinse Samples.

72 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 12 to 2,412 per pint bottle.

3 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.

Whilst there is no standard for mineral water bottles, it was felt that these should be cleansed at least comparably with milk bottles. 30 Rinse samples of mineral water bottles were procured from two factories, each of which had one bottle sterilizer. The average count per bottle on first test was 1,216 and 35,000, and both machines were considered to be unsatisfactory. Adjustments etc., were made with the result that counts of 70 and 160 were achieved. This was considered to be satisfactory. Rinses of screw corks were taken from both factories, and very unsatisfactory results were obtained—so much so that it would appear that this type of stopper cannot be adequately sterilized. No satisfactory results were achieved, and advice was given to the manufacturers concerned.

12 Rinse samples were procured from a bottle washing machine at a beer bottling factory. On first test the result was only fairly satisfactory, but on a subsequent test, after adjustments to the machine, a satisfactory result was obtained (average count 49). Only crown stoppers were used at this factory.

#### Pasteurised Milks.

Bacteriological Tests	Number Submitted	Number Satisfactory	Number Unsatisfactory
Pasteurised	 181	165	16
T.T. Pasteurised	 104	102	2
Total	 285	267	18

#### Pasteurised.

5 Samples failed to pass the Phosphatase Test.

- 9 Samples failed to pass the Methylene Blue Test.
- 4 Samples failed to pass both Phosphatase and Methylene Blue Tests.

10 Samples of Pasteurised Milk, produced outside the Borough, failed to conform to the standard tests out of the 22 samples procured during the year from this dairy.

#### Pasteurised Milks-5 year Summary.

		Pasteu	rised	T.T. Pasteurised			
Year	Number Taken		Number Un- satisfactory				
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	
1957	181	165	16	104	102	2	
Total	672	637	35	436	427	9	
	Tota	l taken		. 1	,108	1	
	Satis	factory	· 	. 1	,064 (96.03	3%).	
	Unsa	atisfactory			44 ( 3.97	1 %).	

Bacteriological Tests	Number	Number	Number
	Submitted	Satisfactory	Unsatisfactory
	47	47	

#### Sterilized Milks-5 year Summary.

Year		Number Taken	Number Satisfactory	Number Unsatisfactory
1953	 	 25	25	101 100
1954	 	 38	38	
1955		 48	46	2
1956		 46	46	
1957	 	 47	47	_
	Total	 204	202	2
			(99.02%)	(0.98%)

## Biological Examination of Milk.

#### (a) Tubercle Bacilli.

Grade		Number of Samples Submitted	Number free from Tubercle Bacilli	Number Containing Tubercle Bacilli
T.T. (Certified)	 	13	13	
Tuberculin Tested	 	143	143	Same Part
Pasteurised	 	5	5	
Total		161	161	_

### (b) Brucella Abortus.

		Number of Samples Submitted	Number free from Brucella Abortus	Number Containing Brucella Abortus
		13	13	_
		143	139	4
		5	5	_
1		161	157	4
	  1		Samples           Submitted              13              143              5	Number of Samples Submittedfree from Brucella Abortus13135

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.

	Tube	ercle Bacilli		Brucella Abortus					
Year	Number Submitted	Number Negative	Number Positive	Number Submitted	Number Negative	Number Positive			
1953	20	20		5	5				
1954	21	21	-	21	21				
1955	62	62	_	57	53	4			
1956	202	202	_	202	192	10			
1957	161	161		161	157	4			
Total	466	466		446	428	18			

#### 5 Years' Summary.

#### 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 356 establishments from which milk is sold) :—

					1956	1957	
1.	Dealers (Pasteurisers)				5	5	
2.	Dealers (Sterilizers)				1	1	
3.	Pasteurised (Dealers)				149	162	
4.	Sterilized (Dealers)				314	303	
5.	Pasteurised Dealer (Su	pple	mentary	)	1	1	
			Total		470	472	

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 :---

			1956	1957	
1.	Tuberculin Tested (Dealers)	 	23	27	

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

			1953	1954	1955	1956	1957
1.	Pasteurised Milk		123	117	134	149	162
2.	Tuberculin Tested		22	22	23	23	27
3.	Sterilized		281	293	314	314	303
	Tota	ıl	426	432	471	486	492

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	1000	Average Fat content
1953	 118		3.46%
1954	 123		3.56%
1955	 171		3.60%
1956	 179		3.59%
1957	 201		3.51%

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			 	 16
Dealers			 	 432
Sales Units	(Mobile	e)	 	 51

During the year 38 Certificates were issued, being 22 new Dealers, and 16 changes of Proprietors in the Dealers' Register. 5 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.

5 years is as	s follow	ws :—	1953	1954	1955	1956	1957
Producers			 27	25	18	17	16
Dealers			 412	416	425	465	483
		Total	 439	441	443	482	499
			1. The Party State State State of				

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

#### Ice-Cream.

It will be noted that the number of producers is steadily decreasing whilst the number of dealers is increasing. There is now a tendency on the part of producers who only produce a small quantity of ice-cream, to purchase processed mix from the larger producers and freeze it as and when required. This obviously necessitates careful supervision to ensure that the Ice-Cream (Heat Treatment) Regulations, 1947, are being complied with, and every effort has been made during the year in this direction.

On the whole, ready co-operation has been given by all persons concerned, and one manufacturer is purchasing a refrigerated vehicle to be used for the transporting of processed mix.

#### Ice Cream Sampling.

#### Bacteriological Examination.

107 Samples of Ice Cream were procured from 17 Producers; 93 were found to be satisfactory and 14 unsatisfactory as indicated in the following tables :—

· · · ·	1.1		-	
Ta	<b>P</b> 1	0		
1 21	.,,	100		

#### Results of " Cold-Mix " Samples.

Time taken to reduce	F	rovision	nal Gra	ding	
Methylene Blue (hrs.)	No.	1	2	3	4
412	8	8	_		
$4 - 2\frac{1}{2}$	3	_	3		
2 — 0					

All the above samples were from 2 Local producers.

Table 2.

#### Results of "Hot-Mix" Samples.

Time taken to reduce		Provis	ional G	rading	
Methylene Blue (hrs.)	No.	1	2	3	4
41	63	63	-		-
$4^{-2\frac{1}{2}}$	19		19		
2 — 0	14			11	3

Table 3.

Results of "Follow-up" Samples of those given Grading 3-4 (after supervision in local cases).

Time taken to reduce		Provis	ional G	rading	
Methylene Blue (hrs.)	No.	1	2	3	4
4 <u>1</u>	6	6		-	_
$4 - 2\frac{1}{2}$	4	_	4		-
2 — 0	-			-	-

(In 4 cases, it was not possible to procure "Follow-up" Samples).

#### Table 4.

Summary	Results	of All	Samples	Taken		
			Provisio	onal G	rading	
		No.	1	2	3	4
		107	71	22	11	3

## Table 5.

#### Showing Results of Samples Taken which were Produced Inside and Outside the Borough.

Where						
Produced	Producers	No.	1	2	3	4
Outside Borough	6	47	38	7	2	
Inside Borough .	. 11	60	33	15	9	3
Total .	. 17	107	71	22	11	3

#### Summary over Last 5 Years.

				1953	1954	1955	1956	1957
Total Tak	en			97	80	96	90	107
Provisiona	l Grad	e 1		50	55	50	77	71
,,	,,	2		24	13	25	8	22
,,	,,	3		13	10	4	4	11
,,	,,	4		10	2	17	1	3
Percentage	e Satisf	actor	у	76.29	85.00	78.12	94.44	86.92

#### Ice-Cream Chemical Analysis.

95 samples of Ice-Cream were procured and submitted to the Public Analyst for Chemical Analysis. The results of the Fat Content varied from 4.8% to 14.72%. The Fat Standard during the year was 5%. 94 samples were above this standard.

The 1 sample below standard was procured Informally and when a "Follow-up" Formal sample was procured later, it proved to be genuine. The Producer was warned.

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

1953	1954	1955	1956	1957
8.227 %	9.309 %	8.752%	9.225%	9.382%

The 95 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 95 samples was as follows—"Solids not Fat"—10.692%; "Sucrose"—14.096%.

All samples conformed to standard except in one case when the "Non Fatty Solids" were slightly low. The producer was advised to add Milk Powder to his mix and when he did so the "Follow up" sample proved to be satisfactory.

#### Public Swimming Baths.

84 samples were taken on 21 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 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 38 persons on the Register of Licensed Slaughtermen. Of these, only 12 are regularly employed at the 2 Slaughterhouses.

#### Slaughterhouses.

			Regd.	Licensed.
December, 1920		 	 39	3
December, 1957		 	 -	1
Public Saughterho	uses	 	 1	
Number of Inspec houses—see Pu				
Regulations)		 	 1,	875

#### 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 277.

#### 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 :---

				altwells Road	
Species			Public Abattoir	Abattoir	Total
Bulls			 71	23	94
Bullocks			 2,770	1,612	4,382
Cows			 1,343	513	1,856
Heifers			 1,432	1,451	2,883
Calves			 864	297	1,161
Pigs			 9,601	4,385	13,986
Sows and	Boars	5	 745	677	1,422
Sheep			 14,631	6,029	20,660
Horses			 -	The second	
		Total	 31,457	1,4987	46,444

Summary of Animals Slaughtered during the last 5 years.

		1953	1954	1955	1956	1957
Bulls		350	309	166	99	94
Bullocks		4,821	5,338	3,596	3,868	4,382
Cows		1,770	2,171	1,849	1,614	1,856
Heifers		4,032	3,443	2,445	3,083	2,883
Calves		6,202	2,906	1,386	1,783	1,161
Sheep		45,635	36,443	19,441	21,665	20,660
Pigs		12,056	19,694	19,033	15,558	15,408
Horses				-	-	-
То	tal	74,866	70,304	47,916	47,670	46,444
			Total	. 287,200	)	

#### Carcases Inspected and Condemned.

		Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed		7,359	1,856	1,161	20,660	15,408	
Number Inspected	••	7,359	1,856	1,161	20,660	15,408	-
ALL DISEASES EX TUBERCULOSIS CYSTICERCI							
Whole carcases condemned		7	14	16	51	19	_
Carcases of which so part or organ y condemned		3,373	650	2	557	2,090	_
Percentage of the nu berinspected affec with conditions a diseases other th Tuberculosis a Cysticerci	ted	45.93	35.78	1.55	2.94	13.69	-
TUBERCULOSIS ONLY							
Whole carcases condemned		15	22	2	_	5	_
Carcases of which so part or organ v condemned		506	668	_	_	414	_
Percentage of the nu berinspected affec with tuberculosis	ted	7.08	37.18	0.17		2.72	_
CYSTICERCUS BOVIS							
Carcases of which so part of organ v condemned	vas	114	14	_	_		_
Carcases submitted treatment by refrig ation	ger-	26	3	_	_	_	_
Generalised and tota condemned	ally	_	_	_	_		_

Of the 46,444 animals slaughtered, 37,905 or 81.61% were found to be sound and unaffected by diseases or conditions of any nature ; 1,632 or 3.51% were found to be affected with Tuberculosis and 6,907 or 14.88\% were found to be affected with other diseases or conditions.

		I otals	4,114	110	551	257	338	516	86	1 172	756	270	20.062	100	1,457	822	1/8	100	1.722	169	177	350	2,210	362	340	386	2,259	568	2.841	337	13,932	615	1,461	4,709	180	1,505	213	51.113	22	357	141,371	205,560	178,943
		MISC.	1	+	1	1	1	Ŀ	1		1	000 -	1,890	1	1	1	1	1	1	1	1	1	11	1	1	1 1	1		1	1	1.	11	1	1	1	I	1	11	1	1	7,890	2,948	2,152
	Vege-	tables	1	1	1	1	1	1	1		1		040,5	1	1	1	1		1	1	ł	T	11		1	11	-		11	1	1	11	1	1		1	1	11	1	1	5,040	88,144	
	Tinned	Coods	1	1	1	1	1	1		1	1	10 101	13,104	1	1	1	1		1	I	1	1		1	1	11	1			1	1	11	1		1	1	1		1	1	13,164	12,117	31,472
1957.	0.464-0	Kaboits	1		1	1	1	1	1	1	1	-	00	1	1	1	1	11		1	1	1	11	1	1	11	1		1	1	1	11	1	11	1	1	1	11	1	1	60	1	789 178
- SNO	Pad	FISH	1	1	1	1	1	1	1	1	1	1000	176'7	1	1	1	ľ	11	1	1	1	1	11	1	1	11	1			1	1	1	1	1	1	1	1		1	1	2,521	2,224	3,023
VIION OF CONDEMNATIONS	Dat-1	Ollai	3,130	457	1	41	278		22	24	731	148	560,1	30	163	762	10	0 00	1.720	22	20	46	23	18	15	47	179	868	1.786	322	12,258	189	267	4,315	24	109	509	5.248	24	185	36,756	33,611	51,976
ONDEN	Varia	Veal	1	1	1	1	1	1		1	1	1	11	70	30	1	14	18	2	40	1	1		50	35	150	30		1	1	1	11	30	00	86	99	1	98	1	1	874	805	3,595
N OF C		Mutton	40			82	1	1	64	5	1	-	116		107		120	14	- 1	107	1	118	127	154	125	11	296		1	1	1	40	45	563	70	09	191	101	8	35	2,506	1,973	8,116
CATIO	1-0	FOIK	65	12	!	134	1	44	F	1	1		102	-	245	1	42		1	1	110	1		140	165	314	57		1	1	1	386	560	76	2	1	178	6.629	1	1	10,017	9,878	15,497
CLASSIFICA	Other	Deel	147	99	8 1	1	1	010	<b>F</b>	1	1	14	166		912	1	1	11	1	1	1	1	11	1	1	11	676		780	1	1	11	1	076		550	240	10.475	1	1	15,805	12,307	26,350
C	w	Offal	732	188	101	1	09	00	R	1,148	25	120	150		1	09	1		2		47	09	2,043		1	25	166		155	15	1,674	11	115	380	2	107	160	8.765	20	137	18,135	15,645	21,017
	Cow	Beef	00	9	450	1	1	1 000	700'1	1	1	ľ	211	1	1	1	1	1	1	1		290	1.916		1	11	855		120	1	1	Π	444	1	1	613	1 463	19.898	.1	1	28,603	25,908	30,948
			:		: :			:		: :	:	••	:	: :	:		:			: :		•••		: :	:	:	:		: :	:	:	: :	:	:		:	:	: :	:-	:	:	:	: : :
		HOULD	:		: :	:	:	:		: :	:	:	:	: :				:	: :	: :		:		: :	:	:	:			:	:	: :	:	:	: :	:	:	: :		:	:	:	:::
(In Ibs.)	2	Disease or Condition	Abscesses		Anaemia	Arthritis	Blood Aspiration	Bonetaint	Caseous I vumbadenitis	Cavernous Angioma	Congestion	Contamination	Decomposition	Enteritis	Fever	Food Aspiration	Gangrene	Transford	Inflammation	Jaundice	Johnes Discase	12	Metritis	Moribund	õ	Navel-III	Oedema (Dropsy)	Parasites :	Cysticercus Bovis	Echinococcus	Fluke	Pericarditis	Peritonitis	Pleurisy	Pvaemia		Swine Erysipelas	Tuberculosis		Miscellaneous	TOTALS	TOTALS for 1956	1954

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#### Summary.

Year			by	No. Affected by Tuberculosis	%	No. Affected by other Diseases or Condition	%
195	3 74,866	63,138	84.33	2,199	2.93	9,529	12.72
1954	4 70,304	60,663	86.28	2,375	3.37	7,266	10.33
195	5 47,916	40,892	85.34	1,633	3.40	5,391	11.25
1950	6 47,670	40,400	84.74	1,540	3.23	5,730	12.02
195	7 46,444	37,905	81.61	1,632	3.51	6,907	14.88

## Particulars of Surrenders and Seizures of Unsound Animals and Meat.

Number of Voluntary Surrenders of diseased carcases or part carcases or internal organs. Number of Seizures (with subsequent destruction) of diseased carcases or part carcases or internal organs.

Year	Tuberculosis	Other Conditions	Tuberculosis	Other Conditions	Totals
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
1957	1,632	6,907			8,539

Year	Whole Carcases affected	Part Carcases affected	Organs only affected	
1953	317	644	10,767	
1954	346	897	8,398	
1955	157	722	6,145	
1956	138	705	6,427	
1957	151	862	7,526	

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

				ected with erculosis		ed with Diseases onditions	т	otal
Species			No.	lbs.	No.	lbs.	No.	lbs.
Beasts Pigs Sheep & Calves Beef Pork Mutton Veal Offal Fish Rabbits	 Lambs   	··· ··· ··· ··· ···	37 5 2 	17,285 1,435 98 13,088 5,194 	21 19 51 16 	8,231 3,087 2,366 692 5,804 301 140 84 40,878 2,521 60	58 24 51 18 	25,516 4,522 2,366 790 18,892 5,495 140 84 54,891 2,521 60
Tinned G Vegetable Miscellan Tota	eous	  	1 1 1	51,113	10,335	13,164 5,040 7,890 90,258	10,335	13,164 5,040 7,890 141,371
				(22.82 To)	ns)	(40.29 Ton	s) (63	.11 Tons

Year	Total Condemned Lbs.	Butchers' Meat Lbs.	affected by Tuberculosis Lbs.
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
1957	141,371	112,696	51,113

#### Summary of Condemnations during last 5 years.

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
1953	74,866	2,199	2.93
1954	70,304	2,375	3.37
1955	47,916	1,633	3.40
1956	47,670	1,540	3.23
1957	46,444	1,632	3.51

#### Cysticercus Bovis.

Stricter inspection was carried out in 1957 in accordance with the Ministry's instructions with the result that the number of cases of minor infestation of Cysticercus Bovis increased from 13 in 1956 to 128 in 1957.

Butchers have complained that as a result of refrigeration affected carcases cannot be sold as "home killed" and they thus suffer financial loss. A further complaint is that animals slaughtered outside the Borough are not subject to such rigorous inspection as in Middlesbrough with the effect that butchers slaughtering in areas outside suffer much less loss. The regular inspection of carcases and offal brought into the town to the meat depots for wholesale trade does prove that inspection of such carcases for cysticerci is not being complied with.

It is satisfactory to note the excellent work of this Authority's Inspectors is being maintained in spite of the unsatisfactory conditions at the two slaughterhouses.

When addressing the local butchers on the subject of meat inspection, with particular reference to Cysticerci, it was pointed out that animal tuberculosis was being slowly eliminated and the question was asked why could not Cysticerci be treated in like manner by Ministry's Veterinary Officers. It was pointed out that the difficulties in this respect were almost unsurmountable as it was practically impossible on account of the movement of the cattle to trace the source of infection.

#### 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, 51 samples were analysed for the presence of preservatives, all being declared genuine.

#### Chemical Analysis of Food and Drugs.

431 Informal and 34 Formal samples were procured during the year. 282 of these samples were submitted to the Public Analyst as follows :—

			1	nformal	Formal
Almond Essence	e	 		1	
Almond Flavou	r	 		2	
Aspirin		 		2	-
Bacon		 		10	-
Baking Powder		 		5	
Beer (bottled)		 		1	
Bicarbonate of S	Soda	 		1	
Boracic Acid		 		1	-
Borax		 		1	
Butter		 		11	
Butter Beans		 		2	
Camphorated O	il	 		1	-
Candied Peel		 		1	
Castor Oil		 		1	_
Cheese		 		9	_
Christmas Pudd	ing	 		2	-
Cockles		 		1	
Cocoa		 		2	-
Coconut		 		2	
Coffee		 		1	-
Cooking Fat		 		2	
Currants		 		3	

				Informal	Formal
Custard Powder		 		2	
Epsom Salts		 	1	1	
Fish Cakes		 7			13
Fish Paste		 		4	
Glacè Cherries		 		2	
Ground Almond	ls	 		2	1
Ice Cream		 		93	2
Icing Sugar		 		1	
Iodine		 		1	
Jam		 		11	
Lard		 		8	
Lemon Cheese		 		1	<u></u>
Lemon Curd		 		2	
Lollipops (iced)		 		2	
Margarine		 		10	
Marmalade				2	
Marzipan				1	
Meat Paste		 		4	
Milk					18
Peel (mixed)				3	
Pepper				1	
Raisins				3	
Sauce		 		6	
Spice (mixed)		 		1	_
Sugar		 		10	
Sultanas		 		2	
Table Jelly		 		3	
Tea		 		8	-
Tomato Ketchuj		 		1	
Vinegar		 		1	
inegai		 			
				248	34

Total :- 282

In addition to the above, 183 Informal Samples of Milk were tested in the Department.

Total	Samples	Procured	465
		Informal	431
		Formal	34

451 were returned Genuine, 11 Non-genuine and 3 of Inferior quality; all by the Public Analyst.

## Action taken Regarding 11 Non-Genuine and 3 Inferior Samples.

Case Cone No.	cerning	Offence	Samples	Action Taken
Non-Genuine	Samples.			-
1. Fish Ca	kes	23% Deficient	1 Formal	See Magisterial Proceedings
2. Fish Ca	kes	in Fish 20% Deficient	1 Formal	No. 11, Page 40. See Magisterial Proceedings
3. Fish Ca	kes	in Fish 17% Deficient	1 Formal	No. 12, Page 40. See Magisterial Proceedings
4. Fish Ca	kes	in Fish 40% Deficient	1 Formal	No. 13, Page 40. Legal Proceedings have been
5. Fish Ca	kes	in Fish 6% Deficient	1 Formal	instituted. Legal Proceedings have been
6. Fish Ca	kes –	in Fish 23% Deficient in Fish	1 Formal	instituted. Legal Proceedings have been
7. Ice Crea	Im	6.7% Deficient	1 Informal	instituted. Vendor warned. Formal "Follow-
8. Ice Crea	im	in Milk Solids 4% Deficient	1 Informal	up" sample proved to be Genuine. Vendor warned. Formal "Follow-
9. Milk		in Fat content 0.3% Deficient in Non-Fatty Solids and con-	I Formal	up" sample proved to be Genuine. Proprietor of small Pasteurising Plant warned. Small quantity of water accidentally left in "plant"
10. Milk		tained extran- eous water 0.45% Deficient in Fat Naturally deficient in Fat. (' Appeal to Cow ') sample	} I Formal } I Formal	pipes after Sterilization. No action taken in view of result of ' Appeal to Cow ' sample.
Inferior Sam	ples			Advanta Ind. C. Said and
1. Milk		Milk naturally deficient in Non-Fatty	1 Formal	No action taken in view of Public Analyst's Report.
2. Milk		Solids Milk naturally deficient in Non-Fatty	l Formal	No action taken in view of Public Analyst's Report.
3. Mixed P	Peel	Solids. Incorrectly marked	1 Informal	Producers warned.

## Summary of Food and Drugs Samples Taken over

Last 5 Years.

Year 1953		Total Taken 428	Formal 119	Informal 309	Genuine 425	Non-Genuine
1954	•	428	67	361	416	12
1955		484	42	442	459	25
1956		426	15	411	411	15
1957		465	34	431	451	14
						including 3

interior quality)

#### 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	 	 	97
Number of Inspections	 	 	164

The survey made last year of all licensed premises has been followed up and the majority of the work required to comply with the Food Hygiene Regulations found to have been carried out. Items outstanding have been brought to the notice of the Brewery Companies concerned.

#### Snack Bars.

Number	Registered	 	 	27
Number	of Inspections	 	 	140

#### Cafes.

Number Registered	 	 	32
Number of Inspections	 	 	159

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					112
Number of Inspections r	nade				262
Number of letters sent re	minor	contra	ventio	ns,	
alterations to premises	s, etc.				44

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

#### Hotel Kitchens.

Number Registered	 	 	10
Number of Inspections	 	 	25

#### Food Shops.

These are regularly inspected, and 1,502 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 345 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	 	 22
Number of Dining Halls	 	 66
Inspections made	 	 33

All requirements of the Food Hygiene Regulations enumerated in a report previously submitted have been complied with. A high standard has been maintained throughout the year.

#### Works Canteens.

Number	Recorded	 	 	23
Number	of Visits	 	 	23

An inspection has been carried out of each canteen and a report submitted of work required. The canteens are well maintained in a reasonably satisfactory condition and the majority are controlled by Industrial Catering Establishments.

## MAGISTERIAL PROCEEDINGS.

No. Cas		RESULT.
1.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling Buttered Scones, the Butter being adulterated with 90% of Margarine."	Fined £1 0s. 0d.
2.	Contravening Food Hygiene Regulations, 1955 :	
	<ul> <li>(i) Regulations 23 (1) and 32 (1): "Failing to keep bakehouse in good state of repair."</li> </ul>	(i) Fined 10s. 0d.
	<ul> <li>(ii) Regulation 16(1) and 32(1):</li> <li>"Failing to provide ade- quate washing facilities for use of persons handling food."</li> </ul>	(ii) Fined 10s. 0d.
	<ul> <li>(iii) Regulations 23(1) and 32(1):</li> <li>"Failing to keep clean bakehouse premises."</li> </ul>	(iii) Fined £1 0s. 0d.
	(iv) Regulations 6(1) and 32(3) : "Failing to keep clean articles with which food was liable to come in contact."	(iv) Fined £1 0s. 0d.
	(v) Regulations 8(a) and 32 (3) : "Failing to provide adequate protection of food against risk of contamina- tion."	(v) Fined £2 0s. 0d.
3.	Failing to comply with Public Health Act Notice to abate Nuisances.	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
4.	do.	do.
5.	do.	do.
6.	do.	do.
7.	Contravening Food Hygiene Regulations 1955	

Regulations, 1955 : Regulation 26(1) (a) : "Name and address not exhibited on stall."

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#### No. of Case.

COMPLAINT.

- 8. Contravening Food Hygiene Regulations, 1955 :
  - (i) Regulation 6(1): "Failing to keep clean metal can, metal trays and preparation room bench."
  - (ii) Regulation 17 : "Failing to provide suitable bandages and dressings."
  - (iii) Regulation 23(1) : "Failing to keep clean floor of shop.'
  - (iv) Regulation 24 : "Allowing refuse to accumulate in food room."
  - (v) Regulation 16(1) : "Failing to provide suitable washhand basins."
  - (vi) Regulation 23(1) "Failing to keep clean floor and walls of preparation room."
  - (vii) Regulation 23(1) : "Failing to keep clean floor of storeroom."
- 9. Contravening Public Health Act, 1936; Section 269(3): " Keeping a Caravan on vacant site without a Licence."

do.

- 10.
- 11. Contravening Food Standards (Fishcakes) Order, 1950; "Selling Fishcakes deficient in Fish to the extent of 23 %."
- 12. Contravening Food Standards (Fishcakes) Order, 1950 : "Selling Fishcakes deficient in Fish to the extent of 20%.
- 13. Contravening Food Standards (Fishcakes) Order, 1950 : "Selling Fishcakes deficient in Fish to the extent of 17%."
- 14. Contravening Food and Drugs Act, 1955; Section 36(1) and (3): "Selling Milk and using a special designation without holding a licence."

do.

15.

- (i) Fined £1 0s. 0d.
- (ii) Fined 10s. 0d.
- (iii) Fined £1 0s. 0d.

(iv) Fined £1 0s. 0d.

(v) Fined 10s. 0d.

(vi) Fined £1 0s. 0d.

(vii) Fined £1 Os. Od.

Fined £5 0s. 0d. with a daily penalty of £1 0s. 0d. until the vehicle is removed.

Fined £3 Os. Od.

Fined £2 10s. 0d. and ordered to pay £2 10s. 0d. towards the cost of Analyst's certificate.

Fined £2 0s. 0d. and ordered to pay £2 10s. 0d. towards the costs of Analyst's certificate.

Fined £1 10s. 0d. and ordered to pay £2 10s. 0d. towards the costs of Analyst's certificate.

Defendant found Guilty ; absolutely discharged on payment of costs.

Defendant found Guilty ; absolutely discharged on payment of costs.

	. of se. Complaint.		RESULT.
16.	Contravening Food Hygiene Regulations, 1955; Regulation 26(1) (a) : "Name and address not exhibited on stall."	}	Fined £1 0s. 0d.
17.	Failing to comply with Public Health Act Notice to abate Nuisances.	}	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
18.	do.	}	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
19.	do.		do.
20.	Failing to comply with Court Order to abate Nuisance.	}	Case proved. Defendant granted an absolute discharge, work having been satisfactorily completed.
21.	Failing to comply with Public Health Act Notice to abate Nuisances.	}	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
22.	Contravening Food and Drugs Act, 1955; Section 2 : "Selling Apples, not of the nature, substance or quality demanded."	}	Fined £1 10s. 0d.
23.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling a Cheese and Tomato sandwich containing a grub and decayed Tomato slice."	}	Fined £4 0s. 0d. and ordered to pay witnesses expenses amounting to 18s. 4d.
24.	Contravening Public Health Act, 1936 ; Section 154 : "Giving a Balloon to a person under the age of 14 years in exchange for Rags."	}	Fined £3 0s. 0d.
25.	Contravening Public Health Act, 1936 ; Section 76 : "Disturbing material deposited on Refuse Tip."	}	Fined £5 0s. 0d.
26.	do.		do.
27.	Contravening Food Hygiene Regulations, 1955; Regulation 26(1) (a): "Name and address not exhibited on stall."	}	Fined £1 0s. 0d.

No. Cas			RESULT.
28.	Contravening Public Health Act, 1936 ; Section 154 : "Giving a Balloon to a person under the age of 14 years in exchange for Rags."	}	Fined £2 0s. 0d.
29.	do.		Fined £1 0s. 0d.
30.	do.		Fined £2 Os. 0d.
31.	Failing to comply with Public Health Act, Notice to abate Nuisances.	}	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
32.	Contravening Public Health Act, 1936 ; Section 154 : "Giving a Balloon to a person under the age of 14 years in exchange for Rags."	}	Fined £3 0s. 0d.
33.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling Strawberries, not of the quality demanded."	}	Fined 10s. 0d. and ordered to pay 10s. 0d. towards witnesses expenses.
34.	Failing to comply with Public Health Act Notice to abate Nuisances.	}	Case withdrawn on payment of costs (8s. 6d.), work having been satisfactorily completed.
35.	do.		do.
36.	do.		do.
37.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling 2 Meat Pies, not of the quality demanded, in that the said Meat Pies were mouldy and un- wholesome."	}	Fined £5 0s. 0d.
38.	<ul> <li>Contravening Food Hygiene Regulations, 1955;</li> <li>(i) Regulation 19(1): "Failing to provide hot water for sink used for washingequip- ment."</li> <li>(ii) Regulation 17: "Failing to provide suitable band- ages and dressings."</li> <li>(iii) Regulations 6(1) and 32(3): "Failing to keep clean metal Fish Container, Potato Masher and Pastry Cutter."</li> <li>(iv) Regulation 16(1): "Failing to provide wash-hand basins."</li> <li>(v) Regulations 24 and 32 (3): "Allowing to accumulate ashes and old tins in food room."</li> </ul>		<ul> <li>(i) Fined £1 0s. 0d.</li> <li>(ii) Fined £1 0s. 0d.</li> <li>(iii) Fined £1 0s. 0d.</li> <li>(iv) Fined £1 0s. 0d.</li> <li>(v) Fined £1 0s. 0d.</li> </ul>

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No Cas	. of se. Complaint.		Result.
39.	<ul> <li>Contravening Food Hygiene Regulations, 1955 :</li> <li>(i) Regulation 6(1) : "Failing to keep clean wooden table and cardboard surfaces."</li> <li>(ii) Regulation 16(2) : "Failing to provide hot water supply to wash-hand basin."</li> <li>(iii) Regulation 14(4) (a) : "Using Food-room com- municating directly with room containing sanitary convenience."</li> </ul>		<ul><li>(i) Case Dismissed.</li><li>(ii) Fined 5s. 0d.</li><li>(iii) Fined 5s. 0d.</li></ul>
40.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling 2 boxes of Chocolates containing foreign matter (i.e., 2. maggots)".	}	Fined £2 0s. 0d. and ordered to pay costs (22s. 8d.)
41.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling Chipped Potatoes containing soil or other similar foreign matter."	}	Fined £5 0s. 0d.
42.	Contravening Food and Drugs Act, 1955; Section 2: "Selling a bottle of Beer containing a deposit of foreign matter."	}	Fined £2 0s. 0d.
43.	Contravening Shops Act, 1950 ; Section 47 : (Sunday Trading).	}	Fined £1 10s. 0d.
44.	Contravening Food and Drugs Act, 1955 ; Section 2 : "Selling a bottle of Milk containing cement or other similar foreign matter."	}	Case Dismissed.
45.	Contravening Food Hygiene Regulations, 1955; Regulation 28(1): "Failing to provide an adequate supply of hot water at a suitably controlled temperature for Mobile Shop.	}	Fined £1 0s. 0d.
46.	Public Health Act, 1936 ; Section 287 : "Application for warrant to enter premises."	}	Application granted. Warrant issued to enter premises.
47.	Contravening Food and Drugs Act, 1955; Section 2: "Selling, through an agent, a tin of Veal and Ham Meat Paste containing a number of bovine hairs attached to a membrane."	}	Fined £5 0s. 0d. and ordered to pay costs (25s. 0d.).

No. of Case.

COMPLAINT.

- 48. Contravening Food and Drugs Act, 1955 ; Section 2 ; "Selling, through an agent, Biscuits, one of which contained a piece of wire."
- 49. Contravening Food Hygiene Regulations, 1955; Regulation 28(1) (a): "Failing to provide an adequate supply of hot water of a guide by controlled tempera at a suitably controlled temperature for Mobile Shop."

do.

50.

51. do.

52. do.

53. Contravening Food Hygiene Regulations, 1955; Regulation 8(a): "Failing to take adequate precautions to protect food, namely, Meat, from risk of contamination."

Fined £3 0s. 0d.

Fined 10s. 0d.

do.

Fined 15s. 0d.

Fined 10s. 0d.

Fined £3 Os. Od.

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RESULT.

# STATISTICAL TABLES



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	w.,			
- 10		1.5	. 1	
	-	***		

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110 TABI	E I.																	Д	B	эт	RA	.C	т	0	F	н	EA	LT	Ή	R	EF	20	RT	s																	п	1
		1	DEATH	RATE	300	TH RATE	De	INFAN LATH R	T LATE	Sea	(Sport		terio A		Meas	Ave.		Scarlet Fever		Dig	litheria		Diarrho & Enter		Whooping Cough		Chicken- pea		Cuntorr	Bees	schitte		heumoni			lanes.	Inf	luenca	Hear		offis	Ne	phritis	Puerpe		Other Potrperal Causes		emature rth, Ac.	Vieles	et la	Syphilis	1
TEAR	POPUL TRON	A- 19-192	Per 1,000	England A Water	N I I	Port 1,000	No. of Death	Par 1,000	Fordered A Water	Notified	Rate per Loss per Loss per	Notibud	Duch	1000	Ducha	Rate per 1,000 per	Notified	Dustia	Rate per Lato pep.	Nuclea	Durdla	Late per	Deaths	Line pop.	Base per	Notified	Deaths	Rate per Likti peri Dentis	Rate per	Deaths	Rate per Likto pop.	Notes	Deaths	Rate per 1,000 pep.	Northed	Rate per	Durcha	Ram per LOID pop.	Douths	1,000 pop.	Ram per	Durchs	Rame per 1.000 pep.	Duate	Longon.	Rate ret	Deaths	Rate per Loop per	Deaths	Linte per	Partie per	
1900 1909 1909 1909 1909 1909 1940 1940	133,100	LUC 2460 LUC 00 LUC 00	17.42         17.42           36         15.23           36         15.23           37         15.23           38         15.1           39         15.3           30         15.3           30         15.3           30         15.3           31         16.50           32         14.20           34         14.20           35         14.20           36         13.00           36         14.20           36         14.20           37         12.25           37         12.25           37         12.25           37         13.39           38         13.39           39         14.339           31.109         31.109           36         11.4	<ul> <li>10.3</li> <li>12.4</li> <li>12.4</li> <li>11.4</li> <li>11.6</li> <li>12.1</li> <li>14.3</li> <li>12.9</li> <li>12.1</li> <li>11.6</li> <li>12.1</li> <li>11.4</li> <li>11.5</li> <li>11.5</li> <li>11.4</li> <li>11.5</li> </ul>	3,440 4,431 3,308 2,765 2,765 2,465 2,464 2,456 2,456 2,456 2,456 2,456 2,456 2,456 3,000 4,000 3,0000 3,0000 3,0000 3,0000 3,00000000	14.46         28.7           12.14         28.1           13.31         22.4           15.31         16.3           16.33         16.3           18.77         13.3           18.70         13.0           18.70         13.0           18.70         13.0           19.70         14.2           10.80         14.2           10.70         15.3           10.70         15.3           10.70         15.3           11.16         170.9           12.12         16.7           12.14         15.7           13.14         170.9           12.12         16.7           12.14         15.3           12.16         15.3           12.16         15.3           13.3         14.6           12.16         15.3           13.1         17.9           13.4         15.3           13.3         14.6           12.16         16.1           12.16         16.1	446 402 264 209 195 100 195 100 105 100 105 100 105 100 105 100 105 100 105 100 105 100 105 100 105 105	131 79 72 71 72 76 77 46 46 75 56 46 46 51 56 52 53 56 53 56 56 56 56 56 56 56 56 56 56 56 56 56	24.9			1-1-1-11111111-1-1	- 0. 1 0. 1 0.	17	- 11 71 45 50 42 10 10 11 45 50 42 10 10 11 2 11 1 11 2 11 1 11 2 11 1 11 2 11 1 11	0.09 0.01 0.00 0.01	185 371 447 675 149 483 140 368 597 576 362 347 131 207 201 201 201 201 201 141 100 201 217 141 100 201 201 140 201 140 201 201 140 201 201 201 201 201 201 201 201 201 20	1-111	8.13 6.85 6.85 6.85 6.81 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	143 176 104 266 279 557 557	35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	133 1 139 1 1	13         1           125         0           314         0           324         0           21         0           20         0           40         0           21         0           40         0           13         0           51         0           52         0           53         0           54         0           55         0           55         0           17         0	43 1 95 1 10 10 1 10	92 0.42 93 0.42 94 0.03 93 0.02 93 0.02 94 0.02 94 0.02 95	9 9 9 1,049 2 1,054 2 1,049 2 1,049 2 1,049 2 1,049 1 1,040 1 1,040		H         H	0 0.7 0.7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	9 139 1 44 3 43 5 14 6 141 6 141 6 141 6 141 6 141 6 141 6 141 6 141 6 141 6 141 104 104 104 104 104 104 104	1.14 1.20 0.30 0.39 1.09 1.09 1.08 0.31 0.51 0.72 0.75 0.75 0.77 0.87 0.87 0.87 0.86 0.84 0.64 0.51 0.64 0.66 0.51 0.65	-343 350 350 250 250 250 250 250 250 250 250 250 2	200 146 152 130 130 137 36 93 56 93 93 93 94 95 10 95 102	3.31 2.56 1.50 1.10 1.11 0.34 1.20 0.34 1.21 0.34 0.35 0.35 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.4	510         211           297         15           297         15           297         15           297         15           297         16           297         16           297         16           297         200           297         200           297         200           297         131           298         135           295         131           295         132           296         136           205         132           206         132           208         132           208         132           208         132           209         144           101         132           102         100           103         149           1037         44           1037         41           1037         14           1037         13	3         1.4.           8         1.3.           8         1.3.           8         1.2.           8         1.2.           8         1.2.           8         1.2.           8         1.2.           9         1.3.           6         1.3.           6         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.4.         1.4.           1.5.         0.4.           1.6.         0.1.           1.6.         0.1.           1.6.         0.1.           1.6.         0.1.		8.96 8.12 9.23 9.11 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.13 0.13 0.28 0.01 0.10 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00	405 1 509 1 433 1 430 1 430 1 430 1 430 1 430 1 430 1 431 1 440 1 577 2 438 1 447 1 507 1 507 1 512 1 51		5 0.04 5 0.04 5 0.05 5 0.04 5 0.05 5 0.04 5 0.04 5 0.04 5 0.04 5 0.04 6 0.04	计算机的 建苯基苯基苯基苯基基基	0.30 0.31 0.30 0.25 0.34 0.33 0.25 0.79 0.13 0.12 0.10 0.09	111111111111 + +++++++++++++++++++++++		9 0.00		175 175 0.05 0.65 0.66 0.65 0.65 0.65 0.05 0.0	40 0 55 1 81 4 40 40 1 136 1 136 1 115 0 90 0 74 6 43 6	0.56 0.45 0.45 0.57 0.82 1.04 0.57 0.82 1.04 0.56 0.54 0.71 1.05 0.45 0.35 0.46 0.37 0.40 0.37 0.40 0.39 0.48 0.39 0.39 0.33	7         6.07           8         6.08           13         6.02           8         6.06           3         6.02           8         6.06           9         6.06           10         6.06           11         6.06           12         6.06           13         6.02           14         6.08           15         6.06           16         6.06           17         0.06           18         0.06           19         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.06           1         0.05           1         0.05           1         0.05           1         0.05	
																			Deaths o	lassified	in accor	rdance :	with the	Internal	niceal St	etietical 1	Classifica	ation of E	Xiseason,	. Injuries	and Cau	ors of t	Death, 19	HE																		ĺ



NOTIFICATIONS OF INFECTIOUS DISEASES IN 1957, ARRANGED ACCORDING TO AGE GROUPS. TABLE II.

#### TABLE III.

Annual Return of Food Poisoning Notifications (Corrected).

- LOCAL AUTHORITY : Middlesbrough County Borough, Year : 1957.
- 2. FOOD POISONING NOTIFICATIONS (CORRECTED) RETURNED TO REGISTRAR GENERAL.

lst	2nd	3rd	4th	
Quarter	Quarter	Quarter	Quarter	Total
6	8	22	10	46

- OUTBREAKS DUE TO IDENTIFIED AGENTS.
   Total Outbreaks : Nil Total Cases : Nil
- 4. OUTBREAKS OF UNDISCOVERED CAUSE.

Total outbreaks : Nil Total cases : Nil

5. SINGLE CASES.

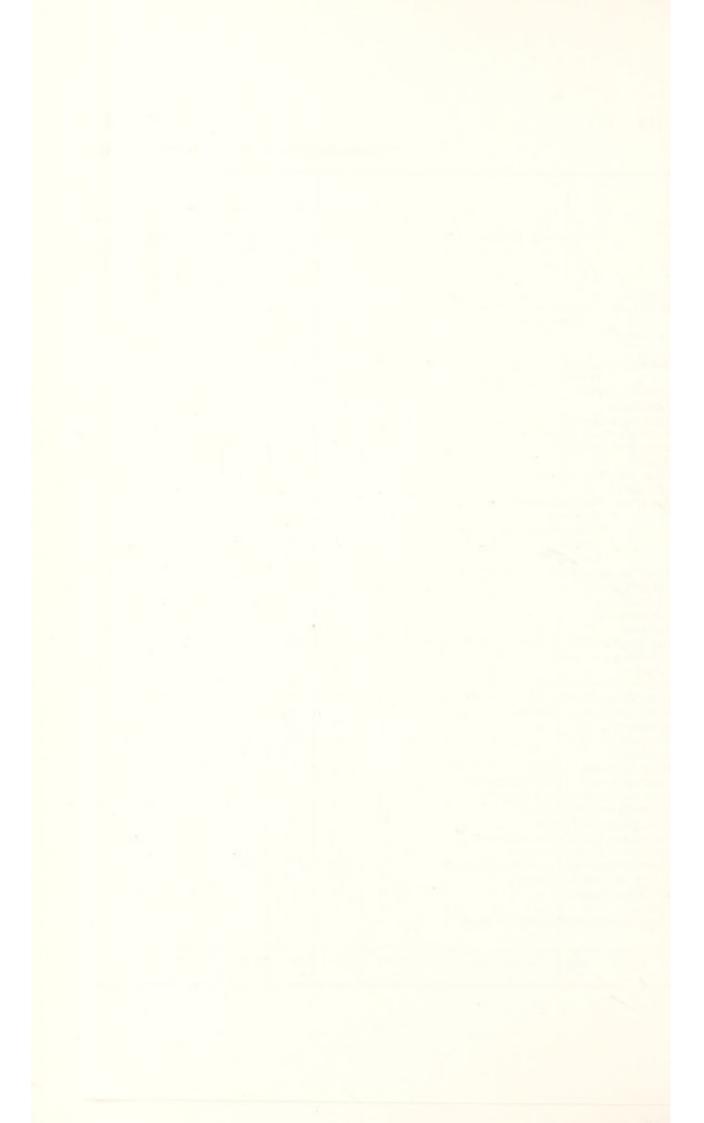
Agent identified. Salmonella Typhi Murium 28 Salmonella Enteritides 2 Unknown Causes 10 Salmonella Abony 5 Salmonella Abony 5 Salmonella Seftonburg 1

Total : 46.

 TABLE IV.

 Deaths Registered in the Borough during 1957, Classified according to ages.

	1															
							Ages	AT DEA	тн							BS
Cause of Death	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	sust
All Causes Certified Uncertified	=	=	=	_	=	_	_	_	=	=	-		_	-	-	Publ
Motor Vehicle Accidents       25       11         All Other Accidents       36       25         Suicide       11       6         Homicide and Operations of War       1       1	$\begin{array}{c} 21\\ 1\\ 2\\ 1\\ -\\ 2\\ 3\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	       2 2   1   	1   1   1 						1       1 <t< td=""><td>2 </td><td><math display="block"> \begin{array}{c}    </math></td><td>5     -</td></t<> <td><math display="block">\begin{array}{c} 2 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\</math></td> <td>5       -         1       -         -       -         -       -         11       20         4       -         28       -         -       -         21       -         58       15         220       3         3       -         -       -         1       28         1       220         3       -         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         3       -         -       -         1       28         3       -         -       -         -       -         1       28         3       -</td> <td><math display="block">\begin{array}{c} 6\\ -1\\ 1\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\</math></td> <td><math display="block">\begin{array}{c} 7\\ 1\\ 1\\ 1\\ -\\ 2\\ 3\\ -\\ -\\ 18\\ 17\\ 11\\ -\\ 69\\ 1\\ -\\ 5\\ 119\\ -\\ 70\\ 22\\ 122\\ 78\\ 16\\ 81\\ 30\\ 9\\ 8\\ 4\\ 17\\ 13\\ 2\\ 27\\ 169\\ 23\\ 39\\ 4\\ -\\ -\\ \end{array}</math></td>	2 	$ \begin{array}{c}    $	5     -	$\begin{array}{c} 2 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\$	5       -         1       -         -       -         -       -         11       20         4       -         28       -         -       -         21       -         58       15         220       3         3       -         -       -         1       28         1       220         3       -         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         2       3         -       -         1       28         3       -         -       -         1       28         3       -         -       -         -       -         1       28         3       -	$\begin{array}{c} 6\\ -1\\ 1\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$\begin{array}{c} 7\\ 1\\ 1\\ 1\\ -\\ 2\\ 3\\ -\\ -\\ 18\\ 17\\ 11\\ -\\ 69\\ 1\\ -\\ 5\\ 119\\ -\\ 70\\ 22\\ 122\\ 78\\ 16\\ 81\\ 30\\ 9\\ 8\\ 4\\ 17\\ 13\\ 2\\ 27\\ 169\\ 23\\ 39\\ 4\\ -\\ -\\ \end{array}$
Total 1034 827 1	861	172	9	6	4	1	9	10	10	17	27	84	152	319	1041	991



# TABLE IVa. Deaths of Middlesbrough Residents Registered outside the Borough during 1957.

	1															
			1			AG	ES AT I	DEATH								22
Cause of Death	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	Public Institutions
All Causes Certified	=	=	_	=	=	=	_	-	=	-	-	-		-		Public
Tuberculosis Resp.       M.       F.         Other       -       -       1         Syphilitic Disease       -       -       -         Diphtheria       -       -       -         Whooping Cough       -       -       -         Meningococcal Infections       -       -       -         Acute Poliomyelitis       -       -       -         Meaningococcal Infections       -       -       -         Other Infective and Parasitic       -       -       -         Diseases       -       -       -       -         Malignant Neoplasm       -       -       1       -         "Stomach       -       -       10       2         "Breast       -       -       3       -         "Uterus       -       -       1       1         Vascular Lesions of Nervous System       5       16       6         {Coronary Disease       -       17       2         Angina       -       -       2       1         Other Heart Disease       5       12       0         Other Circulatory Disease       7       2       1 <td><math display="block">\begin{array}{c} 12\\ 1\\ -\\ -\\ -\\ -\\ 1\\ 123\\ 1\\ 123\\ 1\\ 123\\ 1\\ 123\\ 1\\ 19\\ -\\ 3\\ 17\\ 11\\ 15\\ 9\\ 2\\ 4\\ -\\ 4\\ 4\\ -\\ 4\\ 33\\ 4\\ 7\\ 1 \end{array}</math></td> <td></td> <td>3  </td> <td>2 </td> <td>3  </td> <td>3 </td> <td><math display="block">\begin{array}{c} 10\\ 1\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\</math></td>	$\begin{array}{c} 12\\ 1\\ -\\ -\\ -\\ -\\ 1\\ 123\\ 1\\ 123\\ 1\\ 123\\ 1\\ 123\\ 1\\ 19\\ -\\ 3\\ 17\\ 11\\ 15\\ 9\\ 2\\ 4\\ -\\ 4\\ 4\\ -\\ 4\\ 33\\ 4\\ 7\\ 1 \end{array}$											3 	2 	3 	3 	$\begin{array}{c} 10\\ 1\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$
Homicide and Operations of War	-	-	-	-	=	-	_	-	=	-	-	-	-	-	=	=
Total 120 96	216	24	-	-	-	1	2	1	-	-	6	12	21	46	103	170

## TABLE V.

## INFANT MORTALITY - 1957.

Registered Deaths from stated causes at various ages under 1 year-

Cause of Death		Under I week	12 weeks	23 weeks	3-4 weeks	Total 0 4 weeks	4 weeks and under 3 months	36 months	6-9 months	9-12 months	Total
Chickenpox											-
Measles											
Scarlet Fever						_					
Whooping Cough					_	_					
Diphtheria & Croup											
Erysipelas					_						
Tuberculous	•••										
Meningitis	••		-	*****			_	-	-	-	
Abdominal											
Tuberculosis		_		100	_	-			-		-
Other Tuberculosis									_		-
Meningitis					-			1	1	-	2
Convulsions		_			-	-			-		-
Laryngitis		-					-				-
Bronchitis							1				1
Pneumonia		3	1	1	2	7	6	2	1	1	17
Diarrhœa						-	1	-	-	-	1
Enteritis				1	1	2	1				32
Gastritis		-		1		1	-	1	$\rightarrow$		2
Syphilis								_			
Rickets						-					
Suffocation/Overlying		1			-	1		2			3
Injury at Birth		6	1	-	-	7	1		-		8
Atelectasis		7	-			7	-	-	-		7
Congenital						1.000			1000		1 2012
Malformations	1.	14		1	-	15	3	2	3		23
Premature Birth		34	3			37			-		37
Atrophy, Deb., etc.				-	-		-	-			-
Other Causes		8	-	2	1	11	4	5	1	1	22
		73	5	6	4	88	17	13	6	2	126

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Return for year ended 31st December, 1957.

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

140	133	4	277
:	:	:	:
:		:	··· 1
•••	•••	:	Tota
	:	:	
	:	:	
	:	homes	
		ursing l	
(a) in hospital	(b) at home	e n	
(a) in	(b) at	(c) in	

at homebefore 28th daycurrent of a pointcurrent a pointcurrent of a pointcurrent a point <th></th> <th>Borr</th> <th>Born in Hospital</th> <th>Dital</th> <th>Born</th> <th>Born at home and</th> <th>e and relv</th> <th>PRE Born trait host</th> <th>PREMATURE LIVE BIRTHS Born at home and Bor transferred to hom</th> <th>LIVE B c and to</th> <th>Bori</th> <th>THS Born in nursing home and nursed</th> <th>sing trsed</th> <th>Born home</th> <th>Born in nursing home and trans-</th> <th>sing ans-</th>		Borr	Born in Hospital	Dital	Born	Born at home and	e and relv	PRE Born trait host	PREMATURE LIVE BIRTHS Born at home and Bor transferred to hom	LIVE B c and to	Bori	THS Born in nursing home and nursed	sing trsed	Born home	Born in nursing home and trans-	sing ans-
	ght					ut home	3	befo	re 28th	day		in form	21	on or	before	28th
	4	Total	and the second se	Sur- vived 28	Total			Total	Died within 24 hrs. of		Total	Died within 24 hrs. of	Sur- vived 28	Total	Died within 24 hrs. of	Sur- vived 28
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	0	(2)	birth (3)	days (4)	(5)	birth (6)	(7)		(9) birth		(11)	birth (12)	days (13)	(14)	birth (15)	days (16)
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	ess (1,500 gms.	29	17	10	1			16	5	9	1	1	1		4	1
33     3     28     15     -     15     1     -     1     -     -     -        46     1     44     79     -     77     3     -     3     3     3     -     3        140     25     109     105     2     101     28     7     13     4     1     3     -	oz. up to and . 6 oz. (1,500- 		4	27	Ξ	2	6	8	2	3	1	-			1	1
46     1     44     79     -     77     3     -     3     3     -     3        140     25     109     105     2     101     28     7     13     4     1     3	oz. up to and . 15 oz. (2,000-	33	e	28	15	I	15	-	I	-	1	1	.1	1	1	1
140         25         109         105         2         101         28         7         13         4         1         3	oz. up to and b. 8 oz. (2,250-	46	-	44	79	T	77	3	1	e	e		m			1
	:	140	25	109	105	2	101	28	2	13	4	I	3		1	1

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### TABLE VII.

#### Public Health (Tuberculosis) Regulations, 1952.

PART I.—Summary of notifications of Tuberculosis during the period from the 1st January, 1957 to the 31st December, 1957, in the County Borough.

						For	mal N	lotifica	tions.					
Age Periods		N	umber	of P	rimary	Notifi	cation	s of n	ew cas	ses of	tuberc	ulosis		
	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55	65-	75-	Total (all ages)
Respiratory, Males		4	3	6	2	6	8	17	15	15	20	4	-	100
Respiratory, Females		2	5	7	4	4	6	9	12	3	3	2	1	58
Non-Respiratory, Males	 				-	1	3	1		1		-		6
Non-Respiratory, Females	\$			1				1	1	2				5

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							Numb	er of	cases	in ag	e Gro	ups				
mormation			0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75	Total
D		М	-	-	-	-	-	-	-	-	-	-	2	2	-	4 (A)
from Local	Respiratory	F	-	-	-	-	-	-	1	-	-	-	-	-	-	1 (B)
Registrars		М	-	-	-	-	-	-	-	-	-	-	-	-	-	(C)
	Respiratory	F	-	-	-	-	-	-	-	-	-	-	-	-	-	(D)
Darah Darana		M	-	-	-	-	-	-	-	-	-	-	-	-	-	(A)
Death Returns from Registra General		F	-	-	-	-	-	-	-	-	-	-	-	-	-	(B)
(Transferable )		М	-	-	-	-	-	-	-	-	-	-	-	-	-	(C)
deaths)	Respiratory	F	-	-	-	-	-	-	-	-	-	-	-	-	-	(D)
		М	-	-	-	-	-	-	-	-	-	-	-	-	-	(A)
Posthumous Notifications	Respiratory	F	-	-	-		-	-	-	-	-	-	-	-	-	(B)
Notifications		М	-	-	-	-	-	-	-	-	1	-	-	-	-	1 (C)
	Respiratory	y F	-	-	-	-	-	-	-	-	-	-	-	-	-	(D)
												T	OTALS	S (A)	1	4
														(B)		1
														(C)		1
														(D)	-	

## TABLE VIII.

#### Cancer.

## DEATH RATES PER 1,000.

Year		М	iddlesbrough	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
1957				1.78	2.09

## TABLE IX.

#### Deaths from Cancer.

#### AGE DISTRIBUTION.

Ages		Male	Female	Total
1 to 5 years	 	1	1-	1
5 to 45 years	 	12	9	21
45 to 65 years	 	65	38	103
65 and over	 	77	68	145
Total	 	155	115	270

COMPARATIVE STATISTICS FOR 1938-1957.

TABLE X.

4 Weeks TOTAL per 1,000 12 Months Births Births 1,000 85 200 72
_
-
-
_

## TABLE XI.

## MENTAL DEFICIENCY ACTS, 1913-1938.

			Under	age 16		over
1. Particula	rs of cases reported during 1957 :		M.	F.	М.	F
(a) Case	s ascertained to be defectives "sul	bject to be				
	t with ":					
Nun	aber in which action taken on report	s by :				
(1)	Local Education Authorities on chil					
	(i) While at school or liable to atte	end school	2	1		-
	(ii) On leaving special schools				1	3
	(iii) On leaving ordinary schools			-		
(2)	Police or by Courts				1	
(3)	Other sources	•• ••	3	2	1	
	TOTAL of 1 (a)		5	3	3	4
(b) Case	es reported who were found to be de	fectives but				
	not regarded as " subject to be deal					
	ground		-		6	1
	is reported who were not regarded a	s defectives		12.00		
			-			-
	es reported in which action was inc					
31st	December, 1957, and are thus excl	luded from				
(a)	or (b)				*****	
	TOTAL of 1 (a)-(e	d) inc	5	3	9	8
						-
	of cases reported during 1957 :					
	al of 2 (a), (b) and (c) must agree	e with that				1
	ind (b) above)					
	he cases ascertained to be defective			1.00	0.00	
to b	e dealt with " (i.e. at 1 (a) ), numl	ber:		1.1.1	1000	
(i)	Placed under Statutory Supervision		4	3	1	1
	Placed under Guardianship				-	
	Taken to " Places of Safety "					
(iv)	Admitted to Hospitals	••• •••			2	
	TOTAL of 2 (a)		4	3	3	-
(b) Of	TOTAL of 2 (a) the cases not ascertained to be			3		-
"sut	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b)	defectives ), number :		3		-
"sut	the cases not ascertained to be	defectives ), number :		3		
"sut (i)	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b)	defectives ), number :		3	3	
"sut (i)	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number : 		3	3	
"sut (i) (ii)	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number : 		3	3 6 —	-
"sut (i) (ii) (c) Case	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number : 		3	3 6 —	
(i) (ii) (c) Case from	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  		3	3 6 —	
(i) (ii) (c) Case from	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  		3	3 6 —	
(i) (ii) (c) Case from	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  		3	3 6 6	
"sub (i) (ii) (c) Case from arra	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  no removed posal was 			3 6 6	
"sub (i) (ii) (c) Case from arra 3. Number	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary TOTAL of 2 (b) es reported at 1 (a) or (b) above wh a the area or died before dis nged TOTAL of 2 (a)-	defectives ), number :  no removed posal was 	 		3 6 6	
"sub (i) (ii) (c) Case from arra 3. Number by the lo	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  no removed posal was 	 		3 6 6	
"sub (i) (ii) (c) Case from arra 3. Number by the lo 1957 and	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  no removed posal was 	 		3 6 6	
"sub (i) (ii) (c) Case from arra 3. Number by the lo 1957 and	the cases not ascertained to be oject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary	defectives ), number :  io removed posal was  (c) inc as arranged 5/52 during	  1 5	3	3 6 6 9	
"sub (i) (ii) (c) Case from arra 3. Number by the lo 1957 and (a) Nat	the cases not ascertained to be bject to be dealt with" (i.e. at 1 (b) Placed under Voluntary Supervision Action unnecessary TOTAL of 2 (b) the area or died before dis nged TOTAL of 2 (a)- TOTAL of 2 (a)- of mental defectives for whom care w ical admitted to : ional Health Service hospitals	defectives ), number :  no removed posal was 	  1 5	3	3 6 6 9	

	Under	Under age 16		Aged 16 and over		
	М.	F.	М.	F.		
. Total cases on Authority's Registers at 31/12/57 :						
(i) Under Statutory Supervision	41	24	87	87		
(iii) In " Places of Safety "			-	-		
(iv) In Hospitals	23	15	124	82		
TOTAL of 4 (i)-(iv) inc	64	39	211	169		
(v) Under Voluntary Supervision	I	-	29	28		
TOTAL of 4 (i)-(v) inc	65	39	240	197		
<ol> <li>Number of defectives under Guardianship on 31st Dec- ember 1957, who were dealt with under the provisions of Section 8 or 9, Mental Deficiency Act, 1913 (included in 4 (ii))</li> </ol>						
Charling the shadow is the Comparison						
<ul> <li>Classification of defectives in the Community on 31/12/57 (according to need at that date):</li> <li>(a) Cases included in 4 (i)-(iii) in need of hospital care and reported accordingly to the hospital authority ;</li> </ul>						
(1) In urgent need of hospital care :		1.000	Sec. 1	15		
(i) " cot and chair " cases	1	11111				
(ii) ambulant low-grade cases	4			-		
(iii) medium-grade cases	4		1111			
(iv) high-grade cases	-			-		
TOTAL urgent cases	9			1		
(2) Not in urgent need of hospital care :						
(i) " cot and chair " cases	2	1	1	in in		
(ii) ambulant low-grade cases	10	1	3			
(iii) medium-grade cases	2	-	4	4		
(iv) high-grade cases			3	4		
TOTAL non-urgent cases	14	2	11	8		
TOTAL of URGENT and NON-URGENT				-		
CASES	23	2	11	8		
(b) Of the cases included in items 4 (i), (ii) and (v),						
number considered suitable for :	1		1000			
(i) occupation centre	24	18	1	3		
(ii) industrial centre	-		14	4		
(iii) home training	-	-		-		
TOTAL of 6 (b)	24	18	15	• 7		
(c) Of the cases included in 6 (b) number receiving training on 31/12/57 :						
(i) In occupation centre (inc. voluntary centres)	21	14	1	3		
(ii) In industrial centre			12	4		
(iii) From a home teacher in groups			1			
(iv) From a home teacher at home (not in groups)	-					