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Contributors

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HEALTH
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John

BOROUGH



OF CREWE

ANNUAL REPORT

OF THE

Medical Officer of Health

AND THE

Chief Sanitary Inspector

FOR THE YEAR 1955

D. G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H.
Medical Officer of Health.

JOHN GASKELL, M.Inst.P.C., M.R.San.I., M.S.I.A., A.M.I.S.E.
Chief Sanitary Inspector.

B O R O U G H O F C R E W E

A N N U A L R E P O R T

o f t h e

M E D I C A L O F F I C E R O F H E A L T H

a n d t h e

C H I E F S A N I T A R Y I N S P E C T O R

f o r t h e Y e a r

1955



B O R O U G H O F C R E W E

H E A L T H C O M M I T T E E

Chairman:

Alderman Mrs. F.E. White.

Members:

HIS WORSHIP THE MAYOR,
(Councillor T. Talbot, J.P.)

Alderman W.R. Foulkes, J.P.

Councillor E.W. Allcock.

Councillor R. Hall.

Councillor J.D. Hanson.

Councillor F. Holme.

Councillor H. Kent.

Councillor A.G. Merrill.

Councillor S. Orwell.

Councillor Mrs. D.M. Pace.

Councillor Mrs. N.V. Patrick.

Councillor J. Perry.

Councillor Mrs. E.N. Pomfret.

B O R O U G H O F C R E W E

Medical Officer's Office.

D.G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H., Medical Officer of Health (part-time with Cheshire C.C.)

C.E. BODEN, Chief Clerk (Part-time with Cheshire C.C.)

Miss. S.A. YEARSLEY, Clerk (full-time).

Chief Sanitary Inspector's Department.

J. GASKELL, (1.2.3.4.5.) Chief Sanitary Inspector. Inspector under the Diseases of Animals Acts. (Whole-time).

R.E. PLATT, (1.2.5.) Deputy Chief Sanitary Inspector. (Whole-time)

C. BENNETT, (1.2.3.4.5.) Sanitary Inspector (Whole-time).

D.W. COOKE, (1.2.4.5.) Sanitary Inspector (Whole-time).

J.H. MORRIS, (1.2.3.) Sanitary Inspector, (Whole-time)
Resigned 31/3/55.

R.D. COLLIER, (1.2.4.) Sanitary Inspector, (Whole-time).

C. MATHESON, (1.) Pupil Sanitary Inspector, (Whole-time),
H.M. Forces 10/11/55.

T.C. SIMPSON, Chief Clerk (Whole-time).

G. HART, Clerk (Whole-time) Resigned 30/9/55.

R. JACKSON, Clerk (Whole-time) Resigned 30/4/55.

A. SHAW, Clerk (Whole-time).

F.R. CHESWORTH, Clerk (Whole-time) Commenced 1/8/55.

G. HARDING, Clerk (Whole-time) Commenced 9/11/55.

1. Sanitary Inspector's Certificate (Royal Sanitary Institute and Sanitary Inspectors' Examination Joint Board.

2. Meat and Food Inspector's Certificate of the Royal Sanitary Institute.

3. Certificate in Sanitary Science as applied to Buildings and Public Works of the Royal Sanitary Institute.

4. Smoke Inspector's Certificate of the Royal Sanitary Institute.

5. Testamur of the Institute of Public Cleansing.

ANNUAL REPORT OF THE MEDICAL OFFICER
OF HEALTH

Health Department,
August, 1956.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present to you my report on the health of the Borough of Crewe for the year 1955.

VITAL STATISTICS

During 1955, 25 infants died before reaching the age of one year, giving an Infantile Mortality rate of 34.8 per 1,000 live births. This figure compares unfavourably with the average of 24.9 for England and Wales and shows an increase on the figure of 31.5 for 1954.

16 of these 25 infants died during the first month of life and in all, 7 infants died from infection (whooping cough, influenza and pneumonia).

The total number of deaths recorded (574) shows a reduction on last year's figure and the death rate, 11.1 per 1,000 estimated population is well below the National average of 11.7. 264 of these 574 deaths occurred in persons aged 75 or over. 11 deaths were attributed to accidents and involved only one person over the age of 55.

The number of suicides (2) shows a surprising reduction, the average for the previous 5 years being 7.4.

19 deaths, a similar number to 1954, were ascribed to Cancer of the Respiratory System, despite the reduction in the total number of deaths: only 11 of these persons were over 65 years of age. 1955 is the third successive year in which no death was ascribed to pregnancy, child-birth or abortion.

INFECTIOUS DISEASES

The incidence of measles showed a considerable increase on the 1954 figure and 187 persons were notified as suffering from whooping cough, including 2 adults over 25 years of age. No case of Diphtheria occurred. One person suffered paralytic poliomyelitis and four mild non-paralytic cases were confirmed.

No notification was received in respect of either Food Poisoning or Dysentery.

New cases of Pulmonary Tuberculosis showed a reduction on the 1954 figure and the total of 26 was well below the 5 year average figure of 30. 15 of these 26 persons were aged between 10 and 35 years. Only 3 deaths were ascribed to Pulmonary Tuberculosis, all being aged over 55 years. It is also pleasing to report that the general acceptance rate of B.C.G. vaccination against tuberculosis of susceptibles before they leave school has remained at 80%. The safety, and the immediate protection conferred by this procedure has now been established without doubt.

GENERAL

The housing survey was completed during 1955, and the general spirit of co-operation on which I have commented previously has continued. Although it does not reduce the amount of essential work to be done it makes the doing of it a great deal easier. To all who have helped in this way, to the Staff of the Department, to the many Officers of the County Council engaged in health work in the district, and to my Colleagues in adjacent districts I give my very hearty thanks.

I remain, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

D.G. CRAWSHAW.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

General Statistics

Area (Census 1951)	4,414 acres
Population (Census 1951)	52,415
Registrar General's Estimated Population 1955	51,580
Number of inhabited houses, 1st April, 1955	17,184
Rateable Value	£292,298
Sum represented by Penny Rate	£1,215

Extracts from Vital Statistics for the Year 1955.

Notified Live Births: Males Females Total

Legitimate	355	330	685
Illegitimate	24	9	33

All	<u>379</u>	<u>339</u>	<u>718</u>
-----	------------	------------	------------

Notified Stillbirths:

Legitimate	12	5	17
Illegitimate	1	2	3

All	<u>13</u>	<u>7</u>	<u>20</u>
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Total Live and Stillbirths	392	346	738
----------------------------	-----	-----	-----

Live Birth Rate per 1,000 of estimated resident population (Provisional) 13.9

Stillbirth Rate per 1,000 total (live and still) births 27.1

	Males	Females	Total
Registered Deaths	334	240	574

Death Rate per 1,000 estimated resident population (provisional) 11.1

Death from puerperal causes: Rate per 1,000 registered total Deaths Births

Pregnancy, childbirth, abortion 0 -

Death Rates of Infants under 1 year of age:

All infants per 1,000 registered live births (provisional) 34.8

Legitimate per 1,000 legitimate live births (provisional) 36.5

Illegitimate per 1,000 illegitimate live births (provisional) Nil

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL MORTALITY AND CASE-RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1955.

(Provisional figures based on Weekly and Quarterly returns).

	CREWE	ENGLAND & WALES
	Rates per 1,000 Home Population	
BIRTHS -		
Live	13.9	15.0
Still	(0.39 (27.1 (a))	(0.34 (23.1 (a))
DEATHS -		
All causes	11.1	11.7
Typhoid & Paratyphoid Fevers	-	-
Whooping Cough	-	0.002
Diphtheria	-	-
Tuberculosis	0.09	0.15
Influenza	0.17	0.07
Smallpox	-	-
Acute Poliomyelitis, including Polioencephalitis	-	0.007
Pneumonia	0.25	0.49
	Rates per 1,000 Live Births	
Under 1 year of age (all causes)... ..	34.8 (b)	24.9 (b)
Enteritis and Diarrhoea under 2 years of age.. . . .	-	0.73
	Rates per 1,000 Home Population	
NOTIFICATIONS (corrected) -		
Typhoid Fever	-	-
Paratyphoid Fever	-	0.02
Meningococcal Infection	0.06	0.03
Scarlet Fever	0.85	0.73
Whooping Cough	3.62	1.6
Diphtheria	-	-
Erysipelas	-	0.1
Smallpox	-	-
Measles	17.11	15.6
Pneumonia	0.14	0.63
Acute Poliomyelitis, including Polioencephalitis -		
Paralytic	0.01	0.08
Non-Paralytic... ..	0.07	0.06
Food Poisoning	-	0.29
Puerperal Pyrexia	-	17.8 (a)
Ophthalmia Neonatorum	0.01	0.04
Sonne Dysentery	0.01	0.82

(a) Per 1,000 Total (Live and Still) Births.

(b) Per 1,000 related Live Births.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
 MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN
 INFECTIOUS DISEASES
 in the Year 1955
 (Continued)

MATERNAL MORTALITY

	Crewe	England & Wales	
	No. of Deaths	No. of Deaths	Rates per 1,000 Total (Live & Still) Births.
Maternal causes excluding abortion	-	369	0.54
Due to abortion ...	-	68	0.10
Total maternal Mortality	-	437	0.64

COMPARATIVE STATISTICS 1945 - 55.

Year	Live Births		Still births		Deaths		Infant Deaths				Maternal Deaths			Rate per 1000 Total Births
	Number	Rate per 1000 Estimated Population	Number	Rate per 1000 Total Births	Number	Rate per 1000 Estimated Population	Under 4 weeks	4 weeks - 12 months	Total	Rate per 1000 Live Births	Sepsis	Other	Total	
1945	871	17.5	33	36.65	629	12.6	18	30	48	55.11	-	-	-	-
1946	950	18.7	30	30.61	627	12.3	29	13	42	44.21	-	1	1	1.02
1947	1,022	19.9	29	27.59	664	12.9	24	27	51	49.9	-	-	-	-
1948	901	16.6	26	28.05	574	10.6	14	11	25	27.7	1	-	1	1.08
1949	866	16.3	18	20.36	673	12.7	18	11	29	33.5	1	-	1	1.13
1950	843	15.8	19	22.05	647	12.1	25	17	42	49.8	-	-	-	-
1951	809	15.5	17	20.58	793	15.1	19	13	32	39.5	-	-	-	-
1952	758	14.6	24	30.6	624	12.01	14	10	24	31.6	1	2	3	3.83
1953	809	15.5	23	27.6	513	9.8	23	5	28	34.6	-	-	-	-
1954	794	15.2	15	18.5	624	11.8	17	8	25	31.5	-	-	-	-
1955	718	13.9	20	27.1	574	11.1	16	9	25	34.8	-	-	-	-

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1955

CAUSE OF DEATH	All Ages	Under 4 Weeks	1 Month to 1 Year	1 Year under	1 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 25 Years	25 - 35 Years	35 - 45 Years	45 - 55 Years	55 - 65 Years	65 - 75 Years	75 + Years
1. Tuberculosis of Respiratory System	3	-	-	1	-	-	-	-	1	-	-	1	-	-
15. Whooping Cough ...	1	-	1	-	-	-	-	-	-	-	-	-	-	-
22. Cancer of Digestive Organs and Peritoneum	52	-	-	-	-	-	-	-	-	14	-	15	23	-
23. Cancer of Respiratory System ...	19	-	-	-	-	-	-	-	1	6	-	11	1	-
24. Cancer of Breast and Genito-urinary Organs	13	-	-	-	-	-	-	-	1	2	-	8	2	-
25. Cancer of other Sites	13	-	-	-	-	-	-	-	1	6	-	2	4	-
26. Cancer of Lymphatic Haemopoietic Tissues	5	-	-	-	1	-	-	-	2	-	-	3	1	-
28. Diseases of Thyroid	2	-	-	-	-	-	-	-	-	-	-	-	-	-
32. Anaemia ...	1	-	-	-	-	-	-	-	-	-	-	-	-	-
33. Other Diseases ...	2	-	-	-	-	-	-	-	-	-	-	2	-	-
37. Vascular Intracranial Lesions ...	67	-	-	-	-	-	1	-	1	9	-	20	36	-
38. Inflammatory Diseases Central Nervous System	1	-	-	-	-	-	-	-	-	-	-	-	1	-
39. Other Diseases, Epilepsy ...	2	-	-	-	1	-	-	-	1	-	-	-	-	-
43. Chronic Rheumatic Heart Disease ...	7	-	-	-	-	-	-	1	-	4	-	2	-	-
Carried Forward	188	-	1	1	2	-	1	1	8	42	-	65	68	

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1955.

CAUSE OF DEATH	All ages	Under 4 weeks	1 Month to 1 Year	Total under 1 Year	1 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 25 Years	25 - 35 Years	35 - 45 Years	45 - 55 Years	55 - 65 Years	65 - 75 Years	75 + Years
		Years	Years	Years	Years	Years	Years	Years	Years	Years	Years	Years	Years	Years
Brought Forward	188	-	1	1	2	-	1	1	8	-	42	-	65	68
44. Arteriosclerotic Heart Disease	89	-	-	-	-	-	-	-	-	-	22	-	26	41
45. Acute and sub-acute Endocarditis	3	-	-	-	-	-	-	1	-	-	1	-	1	-
46. Other Diseases of Heart	142	-	-	-	-	-	-	-	-	-	10	-	41	91
47. Hypertensive Disease	21	-	-	-	-	-	-	-	-	-	7	-	8	6
48. Diseases of Arteries	4	-	-	-	-	-	-	-	-	-	1	-	-	3
49. Diseases of Veins, Embolism, Thrombosis.	8	-	-	-	-	-	-	-	-	-	3	-	4	1
51. Influenza	9	-	1	1	-	-	-	-	-	-	2	-	3	3
52. Pneumonia	19	-	3	5	1	-	-	-	-	-	3	-	3	8
53. Bronchitis	6	-	-	-	-	-	-	-	-	-	5	-	2	1
56. Ulcer of Stomach or Duodenum	6	-	-	-	-	-	-	-	1	-	2	-	-	3
57. Other Diseases Stomach or Duodenum	1	-	1	1	-	-	-	-	-	-	-	-	-	-
58. Appendicitis	1	-	-	-	-	-	-	-	1	-	-	-	-	-
59. Hernia	1	-	-	-	-	-	-	-	-	-	-	-	1	-
60. Other Diseases Intestines & Peritoneum	3	-	-	-	-	-	-	-	-	-	-	-	-	1
61. Diseases of Liver, Gall Bladder, Pancreas	2	-	-	-	-	-	-	-	1	-	-	-	-	1
63. Chronic Nephritis	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Nephrosis	2	-	-	-	-	-	-	-	-	-	-	-	-	2
64. Other Diseases of Urinary System	3	-	-	-	-	-	-	-	-	-	-	-	-	2
Carried Forward	508	2	6	8	3	-	1	1	12	-	101	-	151	231

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1955

CAUSE OF DEATH	All ages	Under 4 weeks	1 Month to 1 Year	TOTAL under 1 Year	1 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 25 Years	25 - 35 Years	35 - 45 Years	45 - 55 Years	55 - 65 Years	65 - 75 Years	75 + Years
Brought Forward	508	2	6	8	3	-	1	1	12	-	101	-	151	231
65. Diseases of Male														
Genital Organs ...	2	-	-	-	-	-	-	-	-	-	-	-	-	2
74. Arthritis & Rheumatism	1	-	-	4	1	1	-	-	-	-	1	-	-	-
76. Congenital Malformation	6	2	2	1	-	-	-	-	-	-	-	-	-	-
77. Birth Injuries ...	1	1	-	1	-	-	-	-	-	-	-	-	-	-
78. Asphyxia, Infections of Newborn ...	1	1	-	1	-	-	-	-	-	-	-	-	-	-
81. Ill-defined Diseases, Immaturity ...	11	10	1	11	-	-	-	-	-	-	-	-	1	28
82. Old Age ...	29	-	-	-	-	-	-	-	2	-	1	-	1	-
83. Railway Accidents ...	1	-	-	-	-	-	-	-	-	-	1	-	-	-
84. Motor Accidents ...	4	-	-	-	-	-	-	-	-	-	-	-	-	-
88. Other Non-transport Accidents ...	2	-	-	-	-	1	-	-	-	-	1	-	-	-
89. Accidental Poisoning	2	-	-	-	-	-	-	-	-	-	-	-	-	-
91. Other Accidents ...	2	-	-	-	-	-	-	-	1	-	-	-	-	1
92. Non-Therapeutic and Therapeutic misadventures ...	2	-	-	-	-	-	-	-	-	-	1	-	-	-
93. Suicide ...	2	-	-	-	-	-	-	-	-	-	-	-	1	1
TOTAL ..	574	16	9	25	4	2	1	3	15	-	106	-	154	264

DEATHS OF CREWE INFANTS UNDER 1 YEAR OF AGE DURING 1955

CAUSE OF DEATH	Under 1 Day	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7 Days	14 Days	21 to 28 Days	28 days to 2 Months	2 Months	3 Months	4 Months	5 Months	6 Months	7 Months	8 Months	9 Months	10 Months	11 - 12 Months	A L I
	Whooping Cough...	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Pneumonia ...	-	-	-	-	-	-	-	1	1	-	2	-	1	-	-	-	-	-	-	-	-	5
Influenza ...	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Other Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Stomach Duodenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Congenital Malformations...	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	1	-	-	-	-	-	4
Birth Injuries...	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Asphyxia, Infections of Newborn ...	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Ill-defined Diseases, Immaturity ...	-	-	-	-	-	-	10	-	-	-	1	-	-	-	-	-	-	-	-	-	-	11
TOTAL ...	-	-	-	-	-	-	13	1	1	1	6	-	1	-	-	1	-	-	1	-	-	25

NOTIFIED INFECTIOUS DISEASES 1955, Civilian (Corrected in cases of revised diagnosis).

	Under 1 Year	1 - 2 Years	2 - 3 Years	3 - 4 Years	4 - 5 Years	5 - 10 Years	10 - 15 Years	15 - 20 Years	20 - 25 Years	25 - 35 Years	35 - 45 Years	45 - 65 Years	Over 65 Years	TOTAL
Scarlet Fever ...	-	2	5	3	5	25	3	-	-	1	-	-	-	44
Diphtheria ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough...	20	25	24	32	33	50	1	-	-	1	1	-	-	187
Measles ...	32	96	117	121	120	384	10	1	1	-	-	1	-	883
Pneumonia ...	3	-	2	1	-	-	-	-	1	-	-	-	-	7
Acute Poliomyelitis (Paralytic)...	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Acute Poliomyelitis (Non-Paralytic)	-	-	-	1	-	-	-	1	-	-	2	-	-	4
Paratyphoid Fever ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophthalmia Neonatorum	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Puerperal Pyrexia ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal Infection	1	-	-	-	-	2	-	-	-	-	-	-	-	3
Erysipelas ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	57	124	148	158	158	461	14	2	2	2	3	1	-	1,130

TUBERCULOSIS

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND ALL DEATHS FROM THE DISEASE DURING 1955

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 Yr. - 4 yrs.	-	-	-	-	-	-	-	-
5 Yrs - 9 yrs	-	-	-	2	-	-	-	-
10 Yrs -14 yrs	1	1	-	-	-	-	-	-
15 Yrs -19 yrs	-	4	-	-	-	-	-	-
20 Yrs -24 yrs	-	3	-	-	-	-	-	-
25 Yrs -34 yrs	1	5	1	-	-	-	-	-
35 Yrs -44 yrs	5	-	1	-	-	-	-	-
45 Yrs -54 yrs	3	-	-	-	-	-	-	-
55 Yrs -64 yrs	2	-	-	-	2	-	-	-
65 Years +	1	-	-	-	1	-	-	-
TOTALS	13	13	2	2	3	-	-	-

PARTICULARS OF NEW CASES AND DEATHS DURING THE LAST FIVE YEARS

Year	New Cases		Deaths	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
1951	37	10	13	1
1952	32	6	7	1
1953	24	2	8	-
1954	31	1	4	1
1955	26	4	3	-

The following is a summary of the four quarterly returns which are rendered to the County Medical Officer and which indicate the number of cases remaining on the register at 31st December, 1955.

	Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.
No. of cases on Register of Notifications on 1st January, 1955.	146	140	25	23
No. of cases notified for the first time during the year	13	13	2	2
No. of cases transferred from other districts.	4	1	1	-
No. of cases restored to Register	3	3	-	-
No. of cases removed from Register during the year on account of having:-				
(a) Recovered	7	9	3	5
(b) Removed from district	4	11	-	-
(c) Died	6	1	1	1
(d) Diagnosis not established	1	-	-	-
(e) Lost sight of... ..	2	-	-	-
No. of cases remaining on the Register on 31st December, 1955	146	136	24	19

Of the 9 cases listed under (c) above, 6 died from causes other than tuberculosis.

FOOD POISONING

No case of food poisoning was notified during the year.

VACCINATION AND IMMUNISATION

Vaccination.

The number of vaccinations reported to me during the year was 211 showing a decrease of 61 on the figure for 1954.

	Under 1 Yr.	1 Year	2 - 4 Years	5-14 Years	15 Yrs. & over	TOTAL
Primary Vaccination	145	4	7	8	18	182
Re-Vaccination	-	-	1	4	24	29
TOTALS	145	4	8	12	42	211

Immunisation.

During the year cards received from Medical Practitioners showed that 424 children were immunised against diphtheria. In addition, 208 children received a boosting dose to improve their immunity.

The corresponding figures for 1954 were 509 and 233.

Number of children who had completed a full course of immunisation between 1st January, 1941 and 31st December, 1955.

(According to Health Department Records).

Age at 31.12.55 (i.e., born in year)	Under 1 Year (Born 1955)	1 Year (Born 1954)	2 Years (Born 1953)	3 Years (Born 1952)	4 Years (Born 1951)	5 - 9 Years (Born 1946-1950)	10 - 14 Years (Born 1941-1945)	TOTAL Under 15 Years
Last complete course of injections (whether primary or booster) A. 1951 - 1955	197	311	377	301	467	645	54	2,352
B. 1941 - 1950	-	-	-	-	-	1,815	2,555	4,370
TOTALS	197	311	377	301	467	2,460	2,609	6,722
Estimated child population 1955	3,770					8,562		

	Under 5 years	Between 5-15 years
Estimated percentage of child population immunised at 31.12.55.	43.8%	59.2%

No. of cases of diphtheria in children under 15 years of age notified during the year.

Number of children who completed a course of inoculation with pertussis vaccines (including alumprecipitated vaccines and vaccines combined with diphtheria prophylactic) during 1955.

AGE AT DATE OF FINAL INJECTION

Under 1 year	1 - 4 years	5 - 14 years	TOTAL
164	177	80	421

MEDICAL EXAMINATIONS

During the year, 147 persons were medically examined. Of these, 16 were new appointments to the Crewe Corporation's Staff, 37 were County Staff or persons seeking entry to a Training College, 4 were of persons applying for a Taxi Driver's Licence and 90 were of persons examined prior to admission to the Corporation's Sickness Pay Scheme.

MORTUARY

During the year, 66 bodies were taken to the Mortuary and 65 Post Mortem Examinations were carried out.

MORAL WELFARE

The Crewe and District Committee for Prevention and Rescue work which deals with moral welfare in Crewe and the surrounding area, also maintains the St. Hilda's Home, 71, West Street, Crewe.

I am indebted to the Secretary for the following information:-

There have been 29 girls and 24 babies through St. Hilda's during the year. Several people were given shelter for the night. There have also been over 50 outdoor cases, which were advised and helped in various ways.

INDOOR

GIRLS - 18 Girls returned to their own homes.
 5 Girls went straight into employment.
 6 Girls went on to other homes.

BABIES - 19 Babies were adopted.
 2 went home with their Mothers.
 2 were taken into care by the Children's Office.
 1 was stillborn.

OUTDOOR

11 Girls were sent to Maternity Homes.
 10 Home visits to Adoptors were made.

WATER SUPPLY

The water supply has been satisfactory in quantity and quality during 1955, all residents being supplied direct to the houses.

23 samples of treated water were taken by the Mid. & South East Cheshire Water Board during 1955. All were reported to be of satisfactory bacteriological quality, except one sample from a new main which was not then in use. Subsequent samples from this source were found to be satisfactory.

The water has no plumbo-solvent action.

NATIONAL ASSISTANCE ACT, 1948, Section 47.

1 case was dealt with during 1955.

ANNUAL REPORT OF THE CHIEF SANITARY
INSPECTOR

for the year ended 31st December, 1955.

Chief Sanitary Inspector's Dept.,
Municipal Offices,
Crewe.

12th September, 1956.

To the Chairman and Members
of the Health Committee.

Ladies and Gentlemen,

I have pleasure in submitting my eighth annual report on the sanitary circumstances and sanitary administration of the Borough.

During the year some 1,133 complaints were investigated and 9,976 inspections were made, but depletion in staff of the inspectorial section of the Department reflected itself in the overall number of visits carried out as compared with the previous year. It must be emphasized, however, that the important duty of meat inspection was given priority at all times so as to ensure a 100% inspection service, but this, along with staff shortage has meant that certain sections of the work, have not received the attention they warrant.

In May the Council's five year slum clearance programme for dealing with some 328 properties was submitted to and subsequently approved by the Minister of Housing and Local Government. In the latter part of the year preliminary steps were taken to commence work on the first stages of this programme.

In the matter of housing it is pleasing to note that the number of applications for improvement grants was double that of the previous year (37 as compared with 18), all but one application being approved. This method of preservation and modernisation of existing structurally sound houses has much to commend it, but so far it seems only to have found favour with owner occupiers. Landlords of rented houses would do well to give the scheme more careful consideration as a means of bringing their properties into line with modern standards.

The Department has continued to co-operate with the Department of Scientific and Industrial Research in the investigation of atmospheric pollution, a subject which is becoming increasingly important year by year. There are now four standard deposit gauges and four sulphur dioxide recorders stationed in the Borough, and I would draw your attention to the graphs at the end of the report giving details of these readings. In particular it is interesting to note the comparisons made in Graph III of monthly deposits in tons per square mile for the Borough for the years 1954 and 1955, as compared with the monthly average for other centres in the North West area of the country for the same period. In regard to atmospheric pollution I would like to take this opportunity of thanking the Area Chemist of British Railways (Midland Region), R. Emrys Jones, Esq., A.M.C.T., F.R.I.C., and his staff for their valued assistance and co-operation during the year.

In conclusion, I should like to express my thanks to the Chairman and Members of the Health Committee, to members of the staff, and also to express appreciation to other chief officers and their staffs for their co-operation throughout the year.

I have the honour to be,

Your obedient servant,

J. GASKELL,

Chief Sanitary Inspector.

SANITARY CIRCUMSTANCES OF THE AREA

PUBLIC CLEANSING

The removal of household and trade refuse is based on a weekly collection service and with the exception of holiday periods, this was maintained generally throughout the Borough.

The Cleansing Department operates a Refuse Disposal Plant, a Kitchen Waste Processing Plant, and has a separate Garage and Workshop.

12 vehicles (including 1 spare vehicle) and 1 electrically propelled truck are employed on the collection of household and trade refuse and nightsoil, in addition to 3 vehicles used in connection with refuse disposal.

	Tons
Household Refuse collected	11,994
Trade Refuse collected	891
Total Refuse collected by the Department during the year	12,885

1927 tons of shop and factory refuse were also brought to the Refuse Disposal Works for disposal, making a total of 14,812 tons of refuse dealt with during the year. 62.8% of the total refuse passed through the works, while the remainder was disposed of by controlled tipping.

The estimated amount of nightsoil collected during the year was 156 tons.

A separate Annual Report is issued for the Public Cleansing services in the Borough.

SANITARY ACCOMMODATION

The following table shows the number of closets other than water closets in the Borough at the end of the year:-

Waste Water Closets	834
Pail Closets	194

During the year 56 sets of w.c. fittings were issued for the conversion of waste water closets to water closets.

WATER SUPPLY

The water supply to the district is provided by the Mid. and South East Cheshire Water Board.

During the year 14 samples of water were submitted for bacteriological examination and chemical examination. All samples were satisfactory.

ANNUAL REPORT
1955

SANITARY INSPECTION OF THE AREA

NUMBER AND NATURE OF COMPLAINTS.

The department received 1,133 complaints during the year from householders, shopkeepers, and others relating to numerous matters as set out in the table below:-

<u>NATURE OF COMPLAINT</u>	<u>Number</u>
General disrepair - various	94
Defective fireplaces	14
Defective windows	5
Defective chimneys	13
Defective doors... ..	4
Defective plasterwork... ..	8
Defective floors	15
Defective roofs... ..	36
Defective eaves gutters and pipes... ..	18
Defective sinks... ..	9
Burst water pipes	25
Dampness	30
Choked water closets	13
Defective water closets	48
Defective waste water closets	3
Choked drains	260
Flooding	17
Defective dustbins	19
Accumulations	21
Dirty premises	10
Vermin	34
Rats... ..	163
Mice... ..	64
Ants... ..	44
Foul and obnoxious odours	30
Dangerous buildings	9
Smoke nuisances	10
Overcrowding	2
Food for condemnation	48
Paths, ditches and watercourses	6
House paths and yards	5
Miscellaneous	56

1,133

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Nature of Inspections made	Number	NO. of Notices Served		Result of Notices Served		Prosecutions	
		Informal	Statutory	Notices Complied with	Remaining in Hand	Instituted	Pending
1. Dwelling House (P.H.Act)...	315	234	51	179	106	-	-
2. Dwelling Houses (Hsg. Act)	27	18	6	11	13	-	-
3. Improvement Grants... ..	297	-	-	-	-	-	-
4. Back to Back Houses.	-	-	-	-	-	-	-
5. Verminous Houses	145	-	-	-	-	-	-
6. Tents, Vans and Sheds.	64	2	-	2	-	-	-
7. Ashpails	1120	618	61	668	11	-	-
8. Yards and Passages... ..	81	1	-	1	-	-	-
9. House Drains	1735	15	240	255	-	-	-
10. Ditches and Watercourses...	116	4	-	3	1	-	-
11. Offensive Accumulations ...	25	-	-	-	-	-	-
12. Keeping of Animals... ..	23	1	-	1	-	-	-
13. Offensive Trades	21	-	-	-	-	-	-
14. Piggeries	11	-	-	-	-	-	-
15. (a) Slaughterhouses	814	-	-	-	-	-	-
(b) Other places where food is prepared or sold ...	1301	2	-	2	-	-	-
16. Bakehouses	54	-	-	-	-	-	-
17. Dairies and Milkshops	81	-	-	-	-	-	-
18. (a) Factories (with Mech.power)	55	5	-	5	-	-	-
(b) Factories (No Mech.power)	11	-	-	-	-	-	-
(c) Workplaces	14	-	-	-	-	-	-
(d) Outworkers	13	-	-	-	-	-	-
19. Common Lodging Houses	109	-	-	-	-	-	-
20. Shops under Shops Acts	42	-	-	-	-	-	-
21. Smoke Observations... ..	69	1	-	1	-	-	-
22. Infectious Diseases (Enquiries and Revisits)	54	-	-	-	-	-	-
23. Houses re Overcrowding	23	-	-	-	-	-	-
24. Milk Samples (Bact. Exam.)	124	-	-	-	-	-	-
25. Ice Cream Samples	33	-	-	-	-	-	-
26. Water Samples	25	-	-	-	-	-	-
27. Food & Drugs Act Samples...	187	-	-	-	-	1	-
28. Applicants for C.T.C. Houses	312	-	-	-	-	-	-
29. Rodent Control	282	-	-	-	-	-	-
30. Miscellaneous	503	-	-	-	-	2	-
31. Re-inspections	1890	-	-	-	-	-	-
TOTALS	9976	901	358	1128	131	3	-

ANNUAL REPORT
1955

SWIMMING BATHS

The only Public Swimming Baths in the Borough are owned by the Corporation and contain two swimming pools, slipper or private wash baths and various other amenities.

Following an unsatisfactory sample of bath water obtained at the end of 1954, a series of samples were taken in conjunction with the Public Health Laboratory Service, Monsall, and these proved to be satisfactory.

During the year, a total of 12 samples of bath water were submitted for bacteriological and chemical examination, all of which were satisfactory.

OFFENSIVE TRADES

The following offensive trades are carried on in the Borough:-

Rag and Bone Dealers...	...	3
Gut Scrapers ...	...	1
Bone Boiler and Fat Extractor		1

In addition to the above, 26 persons are registered as Dealers in Old Metal.

RAG FLOCK

No. of Licensed premises used for the manufacture of, or storage of Rag Flock ...	...	...	...	-
No. of Registered premises where filling materials are used ...	...	...	...	2

COMMON LODGING HOUSES

There are two Common Lodging Houses in the Borough situated at 175 and 177, Market Street, and the following table shows the number of beds available at each house:-

Situation	No. of Beds	Accommodation available for
(1) 175, Market Street	10	Male & Female
(2) 177, Market Street	26	Male
Total Number of Beds	36	

The number of persons who used the Lodging Houses during the year is given below with comparative figures for the two preceding years:-

	<u>ADULTS</u>		<u>CHILDREN</u>	
	Males	Females	Males	Females
1955	7473	1397	-	-
1954	7998	1626	-	-
1953	9016	1922	-	-

INFECTIOUS DISEASE AND DISINFECTION

Disinfection of premises is carried out by formaldehyde spray or formalin vapour generators. Infected bedding and other articles are disinfected by steam or formalin as the circumstances demand.

Number of premises visited where a notifiable disease has occurred	49
Number of rooms disinfected	42
Number of cases where bedding etc., was disinfected by steam at request of owners	34
Number of Library Books disinfected :-	
(a) from Public Library	13
(b) from Private Libraries	6 ... 19

During the year, 28 bottles of disinfecting fluid, amounting to 2 gallons, were supplied free of charge for use at premises where cases of infectious diseases had occurred.

DISINFESTATION

The following table shows the number of premises dealt with during 1955:-

	Number found to be Infested		Number of Premises Disinfested
	Premises	Rooms	
Council Houses ...	7	31	7
Other Houses ...	13	60	13
Cases confirmed after complaint of infestation ...	7	-	-
Cases found by Sanitary Inspectors	13	-	-
Houses disinfested by Corporation ...	-	-	20
Houses disinfested by Contractors ...	-	-	-

The work of disinfestation was carried out by the use of D.D.T. and patent fumigant solutions.

In addition to the premises listed above, 50 Houses were treated for infestations of ants and 16 houses for beetles.

HOUSING STATISTICS

Number of New Houses erected during the year:-

(1)	By the Local Authority	...	...	...	138
(2)	By Other Authorities	...	...	...	-
(3)	By Other Bodies or Persons	...	...	...	79

1. Inspection of Dwelling Houses during the year:-

(1)	(a)	Total number of Houses inspected for housing defects (under Public Health Act or Housing Act)	...	...	...	262
	(b)	Number of inspections made for the purpose	...	...	...	342
(2)	(a)	Number of dwelling houses (included under the sub-heading (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925.				18
	(b)	Number of inspections made for the purpose	...	...	...	27
(3)		Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for habitation	...			10
(4)		Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...			252

2. Remedy of Defects during the year without Service of Formal Notices:-

	Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers...	150
--	--	-----	-----	-----	-----

3. Action under Statutory Powers during the year:-

(a)	Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936;				
(1)	Number of dwelling houses in respect of which notices were served requiring repairs	...	...	...	6
(2)	Number of dwelling houses which were rendered fit after service of formal notices:-				
	(a)	By Owners	...	...	1
	(b)	By Local Authority in default of owners	...	...	3

(b) Proceedings under Public Health Acts:-

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 51

(2) Number of dwelling houses in which defects were remedied after service of formal notices:-

(a) By Owners 40

(b) By Local Authority in default of owners 1

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936:-

(1) Number of dwelling houses in respect of which demolition orders were made... 4

(2) Number of dwelling houses demolished in pursuance of demolition orders ... 4

(3) Number of undertakings to carry out works in lieu of demolition accepted by the Council -

(4) Dwelling houses belonging to the Corporation and demolished 6

4. Housing Act, 1936 - Part IV - Overcrowding

(a) (1) Number of dwellings overcrowded at the end of the year 6

(2) Number of families dwelling therein... 7

(3) Number of persons dwelling therein ... 51

(b) Number of new cases of overcrowding reported during the year -

(c) (1) Number of cases of overcrowding relieved during the year 6

(2) Number of persons concerned in such cases 59

(d) Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding -

ANNUAL REPORT
1955

IMPROVEMENT GRANTS

1.	Number of applications received to the 31st December, 1954	18
	Number of applications received during the year	<u>37</u>
	Total applications received to 31st December, 1955	<u>55</u>
2.	Number of applications approved to 31st December, 1954	18
	Number of applications approved during the year	<u>36</u>
	Total applications approved to 31st December, 1955	<u>54</u>
3.	Number of applications withdrawn to 31st December, 1954	3
	Number of applications withdrawn during the year	<u>2</u>
	Total applications withdrawn to 31st December, 1955	<u>5</u>
4.	Number of cases where work had been completed by 31st December, 1954... ..	3
	Number of cases where work was completed during the year	<u>33</u>
	Total number of cases where work was completed by 31st December, 1955	<u>36</u>
5.	Expenditure ranking for grant approved to 31st December, 1954 ...	£ 2,522. 3. 4.
	Expenditure ranking for grant approved during the year	<u>£ 5,690. 19. 7</u>
	Total expenditure ranking for grant approved to 31st December, 1955	<u>£ 8,213. 2. 11</u>

continued:-

IMPROVEMENT GRANTS (continued)

5. Expenditure on works and repairs not (cont.) ranking for grant in cases approved to 31st December, 1954	£445. 2. 9.
Expenditure on works and repairs not ranking for grant in cases approved during the year ...	£1,390. 0. 10.
Total expenditure on works and repairs not not ranking for grant in cases approved to 31st December, 1955 ...	£1,835. 3. 7
6. Average Grant per house... ..	£76. 0. 11.

NOTE :- The above expenditure figures include the figures in respect of the applications approved but later withdrawn.

HOUSING REPAIRS AND RENTS ACT, 1954

Certificates of Disrepair and Revocation -

1. Number of applications received for Certificates of disrepair ... ..	... 13
2. Number of applications withdrawn... ..	... 2
3. Number of applications approved ... ..	... 11
4. Number of applications received for Certificates of revocation... ..	... 8
5. Number of applications approved ... ..	... 5
6. Number of applications refused ... ..	... 3

FACTORIES ACT, 1937.

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

PREMISES	Number on Register	Number of		
		Inspections	Written Notices	Occupiers prosecuted
(i) Factories in which Sections 1,2,3, 4, and 6 are to be enforced by Local Authorities.	68	11	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the Local Authority.	192	55	5	-
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	12	14	-	-
TOTAL	272	80	5	-

2. CASES in which defects were found:-

PARTICULARS	Number of cases in which defects were found.			
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector
Sanitary Conveniences (S.7)				
(a) Insufficient	-	-	-	-
(b) Unsuitable or defective	5	5	-	5
(c) Not separate for sexes	-	-	-	-
TOTAL	5	5	-	5

3. OUTWORKERS. Lists required by Section 110 were received relating to 71 outworkers, all engaged in making wearing apparel.

RODENT CONTROL

The Corporation employ two full-time rodent operators and the extermination methods employed are poisoning, gassing and trapping. The following table summarises the work carried out:-

	Type of Property				Total
	Local Auth.	Dwell. Houses	Agric. Prop.	Bus. Pirms.	
<u>NUMBER OF PROPERTIES INSPECTED:</u>					
(1) Primary Inspections:					
(a) as a result of notification	10	219	2	27	258
(b) otherwise	-	150	-	-	150
(2) Reinspections:					
(a) as a result of notification	7	43	-	9	59
(b) otherwise	-	11	-	1	12
Total properties inspected	17	423	2	37	479
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY RATS</u>					
(1) On primary inspections:					
(a) Major	1	-	-	-	1
(b) Minor	8	223	2	5	238
(2) As Reinfestations:					
(a) Major	1	-	-	-	1
(b) Minor	5	33	-	2	40
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY MICE</u>					
(1) On primary inspections...	1	82	-	21	104
(2) On reinspections...	1	12	-	8	21
Total infestations found ...	17	350	2	36	405
<u>NUMBER OF INFESTED PROPERTIES TREATED BY LOCAL AUTHORITY:</u>					
(1) Primary treatments:					
(a) for rats... ..	9	191	2	5	207
(b) for mice... ..	2	71	-	17	90
(2) Treatments for reinfestations:					
(a) for rats... ..	6	29	-	1	36
(b) for mice... ..	1	7	-	9	17
Total Treatments	18	298	2	32	350

NOTE:

A treatment means a complete treatment for the destruction of rats and mice and includes not only the initial treatment, but when necessary, post-baiting and follow-up treatment.

ANNUAL REPORT
1955

Following the treatments carried out 867 rats and 664 mice were picked up, whilst the estimated kill was 3,356 rats and 3,447 mice..

During the year the rodent operators paid 4,763 visits in connection with the inspection and treatment of premises.

Two maintenance treatments of the sewers were also carried out. 695 manholes were baited and 327 takes of poison bait were recorded, showing an estimated kill of 637 rats.

PET ANIMALS ACT, 1951

There are five premises in the Borough licenced for the sale of pet animals. All these premises comply with the recommended conditions of the Royal Society for the Prevention of Cruelty to Animals, which were adopted by the Council.

Total Licences		Total Licences	
(a) for rats	(b) for mice	(a) for rats	(b) for mice
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
5	5	5	5
Total Licences		Total Licences	
5	5	5	5

NOTE:
A treatment means a complete treatment for the destruction of rats and mice and includes not only the initial treatment but also the post-baiting and follow-up treatment.

INSPECTION AND SUPERVISION OF FOOD

FOOD HYGIENE

Once again particular attention was given to the inspection and supervision of all types of food premises, special inspections being made of food preparing places. In all, some 2,250 visits were paid to the various types of premises.

The following is a list of the various types of food premises in the Borough:-

NUMBER AND TYPES OF FOOD PREMISES

Premises requiring registration:-

For the manufacture of Ice Cream	2
For the storage and sale of Ice Cream	159
For the preparation or manufacture of sausages or pressed, potted or preserved meat, etc. ...	39
Dairies	11

Other premises:-

Fried Fish Shops	52
Wet Fish Shops	9
Bakehouses	20
Butchers Shops	60
Tripe Shops	1
Restaurants, Cafes, etc.	26
School Canteens... ..	23
Factory Canteens	16
Licensed premises,	
Full licences	48
Beer licences	21
Clubs	29
Off licences... ..	19
Wine, sweet or cider	1
Grocery and Confectionery Shops	241
Greengrocery	61
Health Food Stores and Herbalists... ..	3
Sweet Shops	39
Slaughterhouses... ..	4

M I L K

Distributors of Milk

Registered distributors of loose milk...	...	39
Registered distributors of sealed bottled milk		120
Registered dairies ...	...	11

Designated Milk

Tuberculin Tested Milk -

Dealer's Licences	...	32
Dealer's Supplementary Licences	...	4

Pasteurised Milk -

Establishments at which milk is pasteurised:-

Holder Process	...	2
H. T. S. T. Process	...	1
Dealer's Licences	...	35
Dealer's Supplementary Licences	...	4

Sterilised Milk -

Dealer's Licences	...	100
Dealer's Supplementary Licences	...	1

MILK SAMPLING

During the year 91 samples of designated milks were taken for bacteriological examination and the following table provides details of the results:-

No. of Samples	Description of milk	Methylene Blue Test		Phosphatase Test		Turbidity Test	
		Passed	Failed	Passed	Failed	Passed	Failed
75	Tuberculin Tested (Pasteurised)	74	1	73	2	-	-
2	Tuberculin Tested	2	-	-	-	-	-
13	Pasteurised	13	-	13	-	-	-
1	Sterilised	-	-	-	-	1	-
91	TOTALS	89	1	86	2	1	-

The following table shows the average fat and solids-not-fat contents of the milk samples taken under the Food and Drugs Act, 1938.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES:-

Period	No. of Samples Examined	Averages	
		Milk Fat %	Solids-not-fat %
Quarter Ended 31st March, 1955	25	3.61	8.69
Quarter Ended 30th June, 1955.	9	3.65	8.77
Quarter Ended 30th September, 1955	18	3.60	8.68
Quarter Ended 31st December, 1955.	9	4.21	8.97
Year 1955.	61	3.70	8.74

During the year, 47 samples of milk were taken from distributors of undesignated milk and submitted to examination for tuberculosis.

3 Samples gave positive results, one from a producer outside the Borough was notified to the County Medical Officer of Health and an affected animal was discovered and slaughtered at these premises. In the other two cases, immediate notification was made to the Divisional Veterinary Inspector who arranged for a veterinary examination of each herd.

In the first case, veterinary examination failed to discover any affected animal and further samples proved negative. The milk from this herd was already being pasteurised.

In the second case, changes in the herd had taken place since the sample was obtained and veterinary examination and further samples proved negative.

ICE CREAM

Ice cream was manufactured at 2 premises in the Borough in 1955 while 159 premises were registered for the storage and sale of ice cream. A complete cold mix is used at both manufacturing premises in the Borough.

33 samples of ice cream were submitted for bacteriological examination and the results of the examination are shown below -

Ice Cream	Methylene Blue Test Grading				Total
	Grade 1.	Grade 2.	Grade 3.	Grade 4.	
Samples taken at Manufacturing Premises in the Borough.	5	-	1	1	7
Samples taken from Retailers in the Borough.	25	1	-	-	26
Totals	30	1	1	1	33

6 samples of ice cream were taken under the Food and Drugs Act for chemical analysis. The average fat content of these samples was 9.33% and the average total solid matter was 33.0%.

SLAUGHTERHOUSES

At the beginning of 1955, four private slaughterhouses were licenced in the Borough. One slaughterhouse, however, was not used and the licence expired at the end of June, 1955. There are no slaughterhouses in the Borough licenced for the slaughter of horses.

MEAT INSPECTION

The following tables show the types of animals slaughtered and inspected with particulars of the diseases found necessitating complete or partial condemnation.

Number of animals slaughtered during the past five years.

Year	Cattle excluding cows	Cows	Calves	Sheep and Lambs	Pigs	Totals
1955	1,398	616	99	7,246	5,195	14,554
1954	1,230	1,080	744	10,241	4,413	17,708
1953	1,558	2,466	2,487	13,391	3,379	23,281
1952	1,232	2,195	5,640	14,093	5,251	28,411
1951	1,996	2,679	2,936	10,926	1,058	19,595

CARCASES INSPECTED AND CONDEMNED

	Cattle (excl. cows)	Cows	Calves	Sheep and Lambs	Pigs	Horses	Totals
Number killed	1,398	616	99	7,246	5,195	-	14,554
Number inspected	1,398	616	99	7,246	5,195	-	14,554
<u>ALL DISEASES EXCEPT TUBERCULOSIS:</u>							
Whole carcasses condemned ...	2	3	8	5	14	-	32
Carcases of which some part or organ was condemned ...	495	254	1	936	279	-	1965
Percentage of the number inspected affected with disease other than Tuberculosis ...	35.5%	41.7%	9.1%	13.0%	5.3%	-	13.7%
<u>TUBERCULOSIS ONLY:</u>							
Whole carcasses condemned ...	3	2	-	-	3	-	8
Carcases of which some part or organ was condemned ...	113	112	-	-	177	-	402
Percentage of the number inspected affected with Tuberculosis ...	8.3%	18.5%	-	-	3.2%	-	2.8%
<u>CYSTICERCOSIS</u>							
Carcases of which some part or organ was condemned ...	-	1	-	-	-	-	1
Carcases submitted to treatment by refrigeration ...	-	1	-	-	-	-	1
Generalised and totally condemned.	-	-	-	-	-	-	-

WEIGHT, IN LBS OF MEAT AND OTHER FOODS CONDEMNED

DISEASE	Beef	Veal	Mutton	Pork	Bacon and Ham	Sausage	Rabbits and Poultry	Fish	Fats and Cheese	Fruit and Veg.	Tinned Goods	Miscellaneous.	Totals
Tuberculosis . . .	8543	-	-	4315	-	-	-	-	-	-	-	-	12,858
Pneumonia . . .	58	-	-	356	-	-	-	-	-	-	-	-	414
Fever . . .	48	80	20	6	-	-	-	-	-	-	-	-	154
Septicaemia . . .	370	-	-	326	-	-	-	-	-	-	-	-	696
Pyæmia . . .	-	-	-	126	-	-	-	-	-	-	-	-	126
Sapraemia . . .	-	-	-	240	-	-	-	-	-	-	-	-	240
Pleurisy . . .	78	-	2	9	-	-	-	-	-	-	-	-	89
Pericarditis . . .	16	-	-	-	-	-	-	-	-	-	-	-	16
Peritonitis . . .	6	-	-	108	-	-	-	-	-	-	-	-	114
Inflammation . . .	336	-	15	518	-	-	-	-	-	-	-	-	869
Abscesses . . .	784	-	70	338	-	-	-	-	-	-	-	-	1,192
Angioma . . .	203	-	-	-	-	-	-	-	-	-	-	-	203
Dropsy . . .	-	80	-	70	-	-	-	-	-	-	-	-	150
Emaciation . . .	260	-	85	-	-	-	-	-	-	-	-	-	345
Moribund . . .	-	30	-	280	-	-	-	-	-	-	-	-	310
Actinomycosis . . .	100	-	-	-	-	-	-	-	-	-	-	-	100
Parasites & Cysts . . .	11532	-	1978	460	-	-	-	-	-	-	-	-	13,970
Erysipelas . . .	-	-	-	11	-	-	-	-	-	-	-	-	11
Traumatism . . .	2133	40	2	192	-	-	-	-	-	-	-	-	2,367
Decomposition . . .	-	-	36	26	1287	208	11	132	93	3060	3098	76	8,027
Miscellaneous	-	-	2	-	-	-	-	-	-	-	-	-	2
TOTAL WEIGHTS	24467	230	2210	7381	1287	208	11	132	93	3060	3098	76	42,253

TOTAL WEIGHT 42,253 lbs.

SLAUGHTER OF ANIMALS ACTS, 1933 to 1954.

Slaughtermen's licences are now renewable annually and in 1955, 35 Licences were issued.

CYSTICERCUS BOVIS

Routine inspection of all bovine carcasses was carried out during the year for the presence of cysticercus bovis and arrangements are made for all affected carcasses to be placed in cold store for a period of three weeks in accordance with approved policy.

KNACKERS YARDS

There are 2 Knackers Yards in the Borough. One yard has been in existence for a considerable time but the other premises were first licenced on the 27th May, 1955. Neither of these premises is licenced for the slaughter of horses.

FOOD AND DRUGS ACT, 1938.

During the year, 69 formal and 109 informal samples were submitted to the Public Analyst for analysis.

Nature of Sample	Number of samples		No. of Samples adulterated or not genuine
	Informal	Formal	
Milk	4	57	2
Meat and Meat products	23	-	2
Fish and Fish products	6	-	-
General Groceries...	43	-	-
Preserves	4	-	-
Ice Cream	6	-	-
Confectionery ...	16	-	-
Fruit	3	-	-
Beers and Spirits...	-	12	-
Medicines	4	-	2
	109	69	
	178		6

The table below shows details of the samples found not to be genuine and of the relative action taken:-

Sample Number	Article	Adulteration or other irregularity	Action taken
987 Informal	Sausage	Contained 190 parts per million Sulphur Dioxide.	Sausage was suitably labelled.
1005 Formal	Milk	Contained 4% added water.	Vendor prosecuted and fined £15 and costs.
1053 Informal	Cough Mixture	Deficient in Sodium Bromide and incorrectly labelled.	Vendor notified Stock withdrawn from sale.
1057 Informal	Ammoniated Tincture of Quinine	Deficient in Ammonia.	Vendor notified Stock withdrawn from sale.
1068 Formal	Milk	Naturally deficient of 0.15% of its solids-not-fat.	Reported to County Milk Production Officer.
1107 Informal	Luncheon Meat.	Incorrectly labelled.	Reported to Ministry of Agriculture, Fisheries and Food.

ATMOSPHERIC POLLUTION

Monthly Deposits in Tons per square mile.

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE		
	1953	1954	1955	1953	1954	1955	1953	1954	1955	1953	1954	1955
Jan.	11.38	15.13	11.58	15.23	10.95	11.39	4.59	9.30	9.02	-	9.30	8.71
Feb.	15.88	13.47	*	14.36	24.18	17.38	7.37	7.07	6.44	-	7.91	8.59
March	14.04	13.08	15.20	18.28	20.17	19.81	7.34	4.90	11.43	-	9.66	13.84
April	16.68	10.41	16.75	18.32	13.71	17.60	6.74	6.63	9.20	-	8.82	9.80
May	13.22	17.04	16.00	*	21.61	13.23	6.90	11.72	7.97	-	13.28	9.10
June	16.55	14.33	12.49	23.50	16.89	11.99	14.73	7.81	8.42	17.16	11.28	9.64
July	13.87	11.09	11.64	18.50	15.02	7.41	6.44	6.53	20.53	14.19	8.76	10.55
August	12.76	10.27	12.84	12.89	9.62	18.76	5.23	6.06	8.48	11.32	7.97	8.78
Sept.	14.35	13.77	14.02	18.72	13.42	14.05	8.47	9.16	6.23	13.23	10.10	8.88
Oct.	11.52	13.82	18.82	24.45	16.85	12.13	9.29	5.45	8.92	8.98	12.00	14.53
Nov.	6.57	18.25	15.16	14.97	13.59	17.83	4.08	8.83	11.59	7.24	16.16	6.52
Dec.	12.06	14.14	16.30	15.81	21.12	20.10	5.08	6.52	8.56	8.86	12.83	14.13
TOTAL	158.88	165.80	160.80	195.03	197.13	181.68	86.26	89.98	116.79	80.98	128.07	123.07
MONTHLY AVERAGE	13.24	13.81	14.62	17.73	16.42	15.14	7.19	7.49	9.73	11.56	10.67	10.25

* No result obtained owing to damage to equipment.

ATMOSPHERIC POLLUTION

Sulphur Dioxide by the Lead Peroxide Method.
 Results expressed as mg./SO₂/day/100 sq.cm. of Batch "A"
 Lead Peroxide exposed under a louvered cover.

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE		
	1953	1954	1955	1953	1954	1955	1953	1954	1955	1953	1954	1955
Jan.	1.87	1.50	0.95	2.23	2.64	1.66	0.81	0.73	0.34	-	1.29	0.87
Feb.	1.67	1.02	*	3.02	2.24	1.52	0.93	0.67	0.19	-	0.69	0.97
March	1.57	1.78	0.66	1.79	1.70	1.44	0.60	0.76	0.95	-	1.86	0.63
April	1.37	0.50	0.35	1.60	1.22	0.41	0.57	0.13	0.08	-	0.38	0.51
May	0.86	0.59	0.96	1.24	1.46	1.11	0.46	0.17	0.41	-	0.23	0.56
June	1.02	0.13	1.01	1.46	0.73	1.31	0.62	0.18	0.57	0.77	0.30	0.56
July	1.08	0.01	0.66	1.68	0.36	1.05	0.43	0.01	0.54	0.55	0.01	1.05
Aug.	0.83	0.48	0.95	1.36	0.65	1.27	0.35	0.02	0.60	0.58	0.14	0.67
Sept.	1.35	0.50	0.62	1.82	0.93	1.28	0.50	0.44	0.50	0.50	0.34	0.64
Oct.	1.25	0.93	0.19	2.43	1.67	0.47	0.11	0.36	0.12	0.52	0.80	0.59
Nov.	0.83	0.97	0.95	1.57	1.73	1.68	0.14	0.30	0.92	1.00	0.90	0.70
Dec.	2.03	1.06	0.98	2.46	1.71	1.24	0.70	0.26	0.57	1.25	1.03	0.39
TOTAL	15.73	8.57	8.28	22.66	17.04	14.44	6.22	4.03	5.79	5.17	7.97	8.14
MONTHLY AVERAGE	1.31	0.71	0.75	1.88	1.42	1.20	0.52	0.34	0.48	0.73	0.66	0.69

* No result obtained owing to damage to equipment.

ATMOSPHERIC POLLUTION.

Monthly Rainfall in inches.

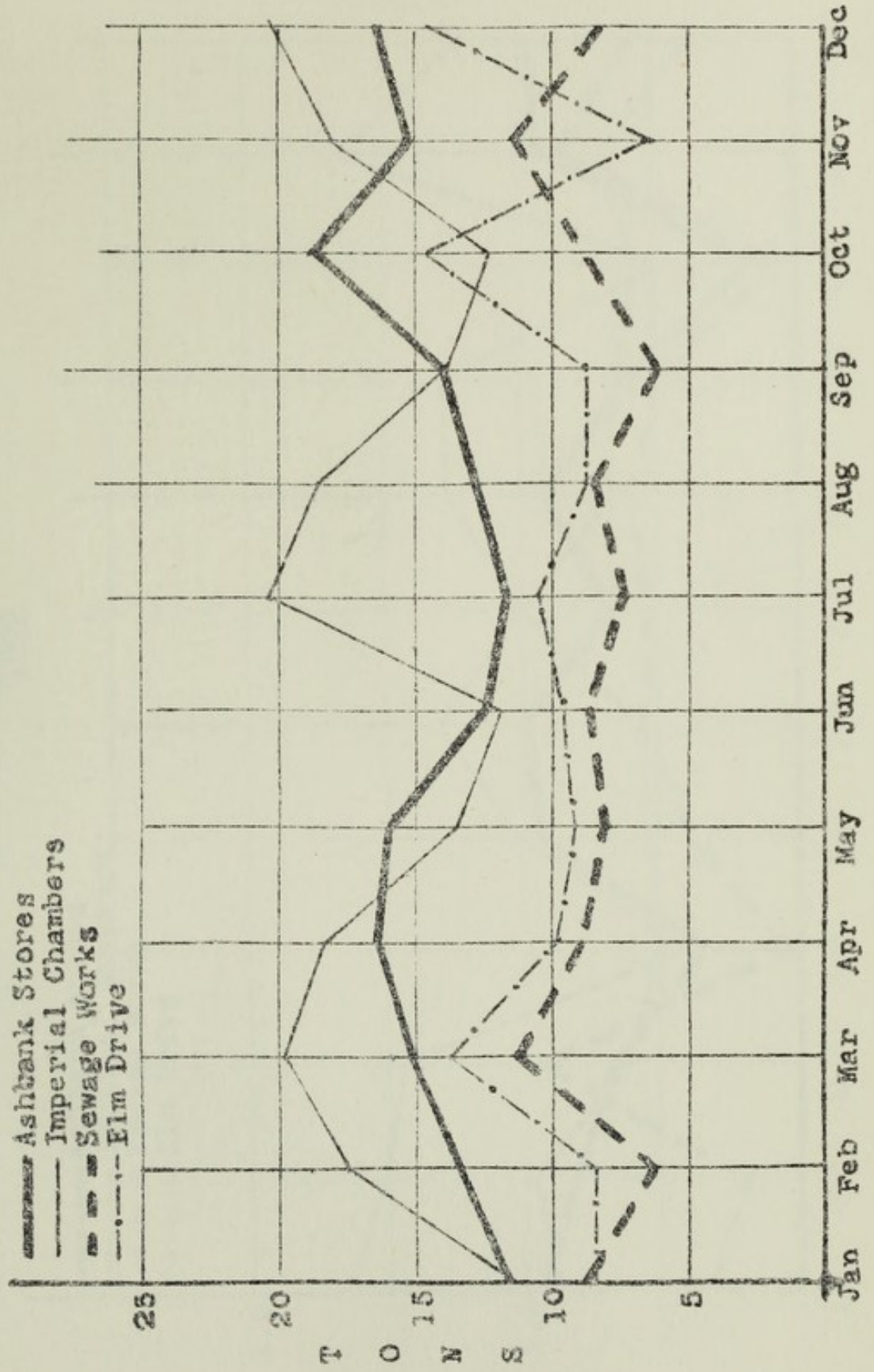
MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE		
	1953	1954	1955	1953	1954	1955	1953	1954	1955	1953	1954	1955
Jan.	0.87	1.52	1.96	0.97	1.57	2.09	0.92	1.60	1.71	-	1.65	1.91
Feb.	1.37	2.24	*	1.33	2.35	1.45	1.44	2.30	1.40	-	2.47	1.55
March	1.31	2.17	2.22	1.60	2.19	2.25	1.44	2.20	2.22	-	2.42	2.27
April	1.09	0.52	1.98	1.13	0.47	1.83	1.21	0.54	1.96	-	0.52	2.01
May	1.53	1.98	2.09	*	1.91	2.35	1.46	2.15	2.12	-	2.21	2.32
June	1.80	3.99	3.20	2.32	3.89	2.83	2.07	4.19	3.26	2.11	4.12	3.09
July	3.88	3.40	0.32	3.23	3.24	0.52	3.62	3.67	0.33	3.86	3.68	0.46
August	2.50	3.40	0.86	2.22	4.02	0.85	2.74	3.26	0.92	2.91	4.04	0.95
Sept.	2.45	2.42	2.40	2.27	2.51	2.61	2.41	2.48	2.59	2.50	3.68	2.32
Oct.	2.24	4.69	1.42	2.30	5.11	1.57	2.15	4.66	1.45	2.19	4.92	1.25
Nov.	1.52	4.63	1.73	1.49	4.96	1.42	1.47	4.76	1.78	1.60	4.64	1.47
Dec.	1.06	2.96	2.35	1.04	3.13	2.30	1.10	3.10	2.28	1.11	3.14	2.39
TOTAL	21.62	33.92	20.53	19.90	35.35	22.07	22.03	34.91	22.02	16.28	37.49	21.99
MONTHLY AVERAGE	1.801	2.826	1.86	1.81	2.945	1.84	1.836	2.91	1.83	2.326	3.12	1.83

* No results obtained owing to damage to equipment.

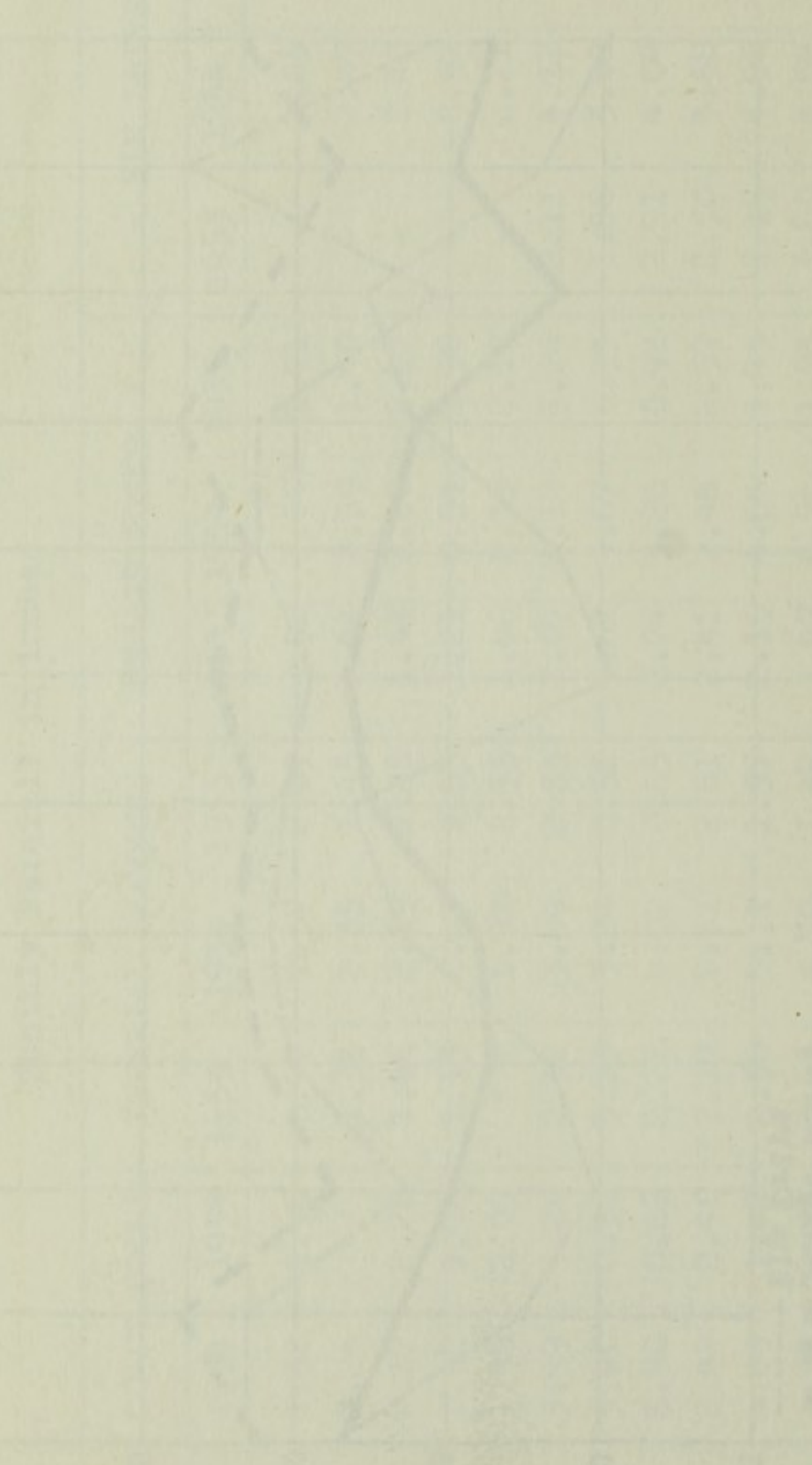
Graph 1.

ATMOSPHERIC POLLUTION

Monthly Deposits in Tons per Square Mile.
SMOKE DEPOSITED MATTER
1955.



100 90 80 70 60 50 40 30 20 10 0



———— 100
 - - - - - 80
 60
 40
 20
 0

TIME

UNITED STATES GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

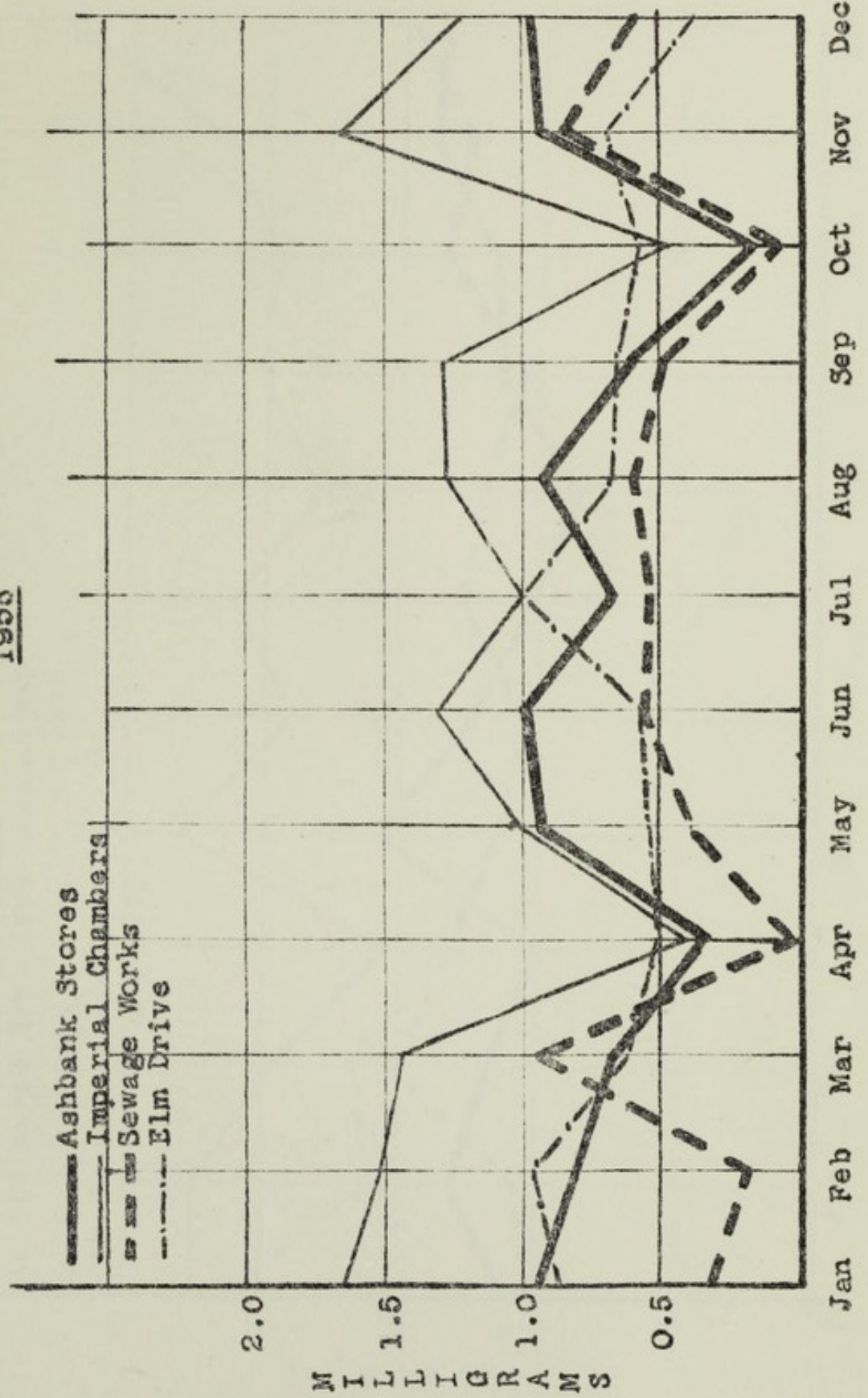
Figure 1

Graph 11

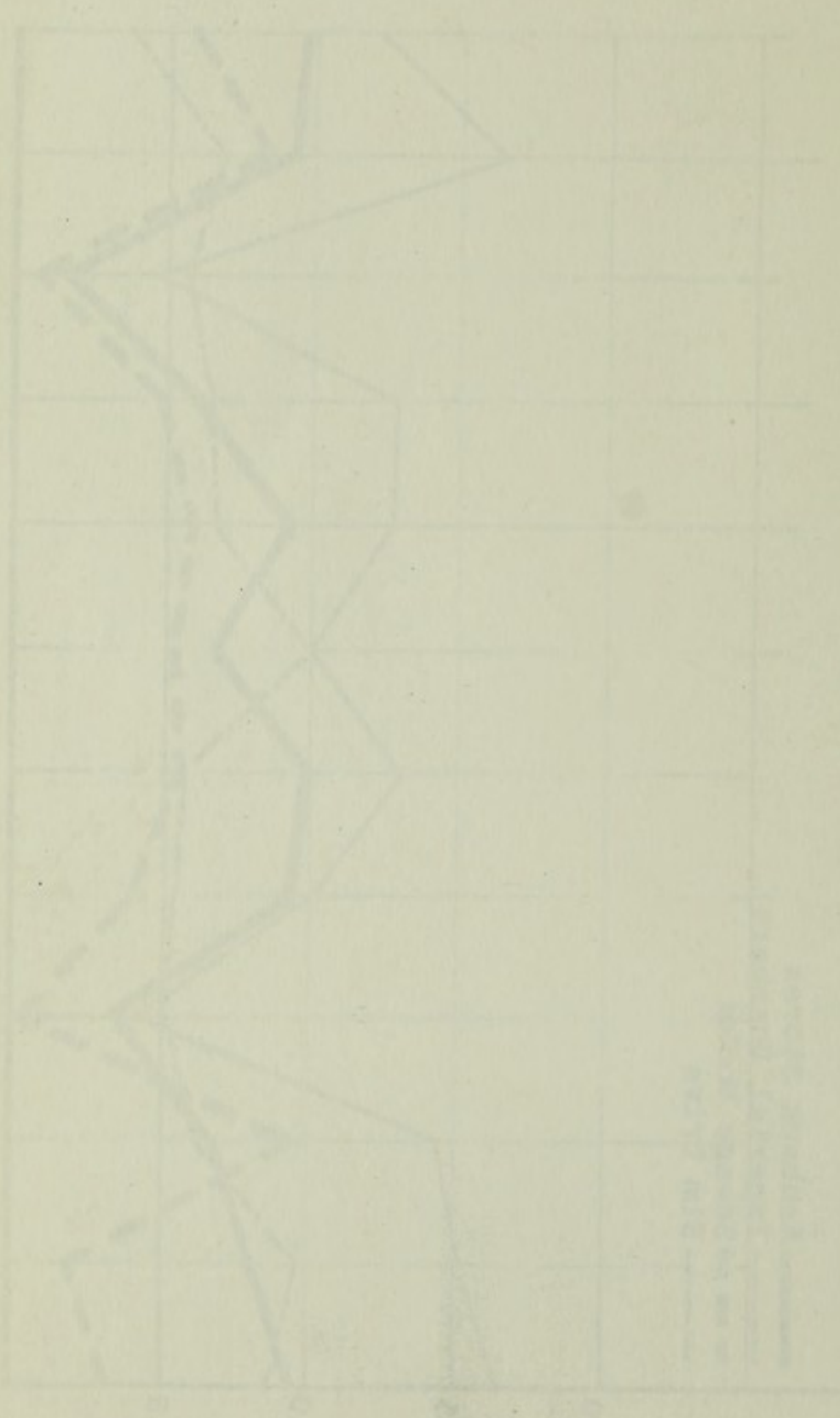
ATMOSPHERIC POLLUTION

Sulphur Dioxide by the Lead Peroxide Method
Results expressed as MG.SO₃/Day/100 sq.cm. of Batch 'A'
Lead Peroxide exposed under a louvered cover.

SULPHUR DIOXIDE DEPOSITS
1955



1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960



— Total
 - - - Government
 Private
 - · - · - Other

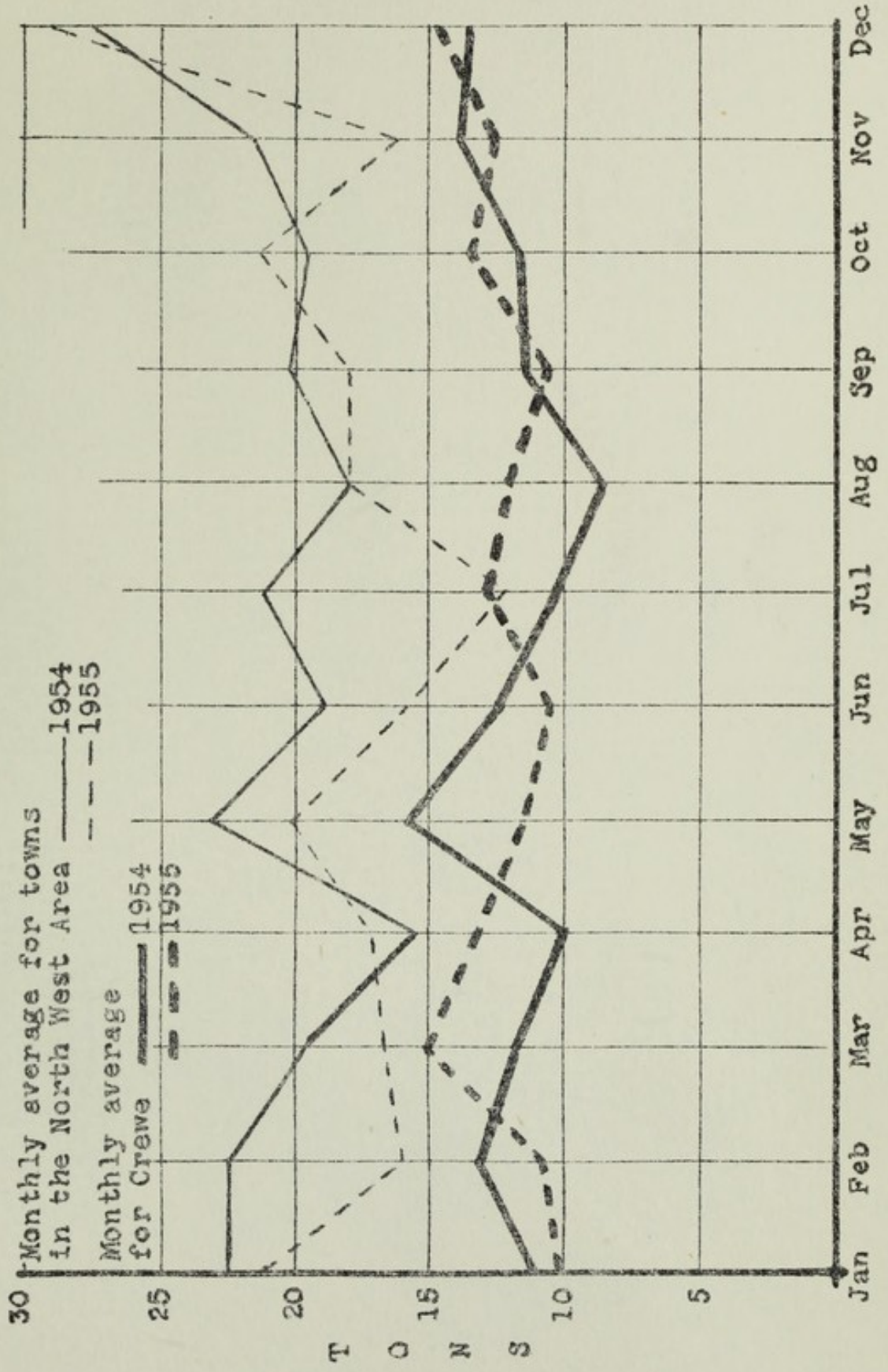
UNITED STATES DEPARTMENT OF AGRICULTURE
 BUREAU OF ECONOMIC ANALYSIS

UNITED STATES DEPARTMENT OF AGRICULTURE
 BUREAU OF ECONOMIC ANALYSIS
 WASHINGTON, D. C. 20250

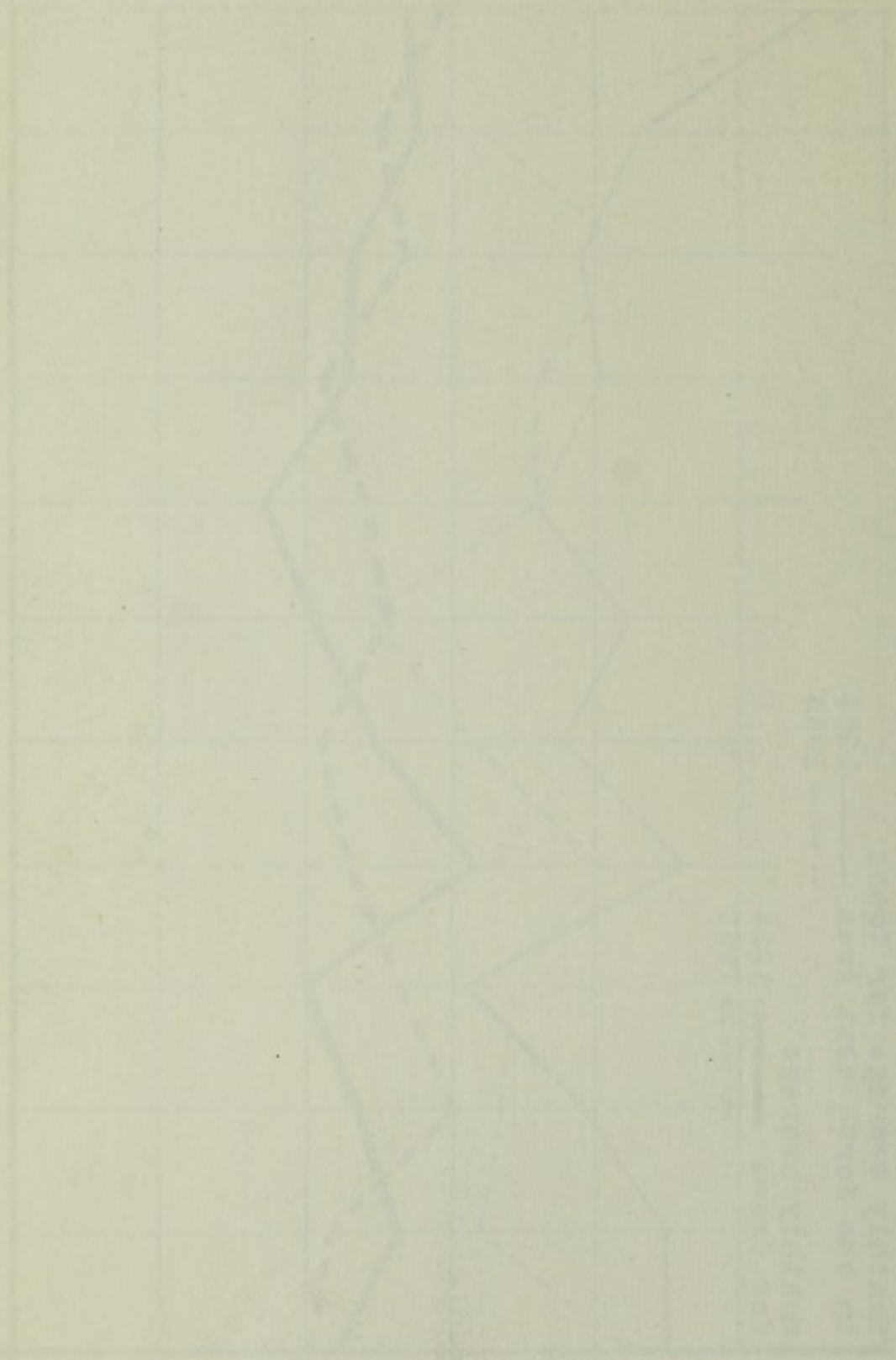
Graph 111

ATMOSPHERIC POLLUTION

DEPOSIT OF TOTAL SOLIDS
(in tons per square mile)



1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0



1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

11

