

[Report 1962] / Medical Officer of Health, Crewe Borough.

Contributors

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OF CREWE

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A handwritten signature in blue ink, appearing to be "J. Gaskell", written over the "ACKD. BY" stamp.

ANNUAL REPORT

OF THE

Medical Officer of Health

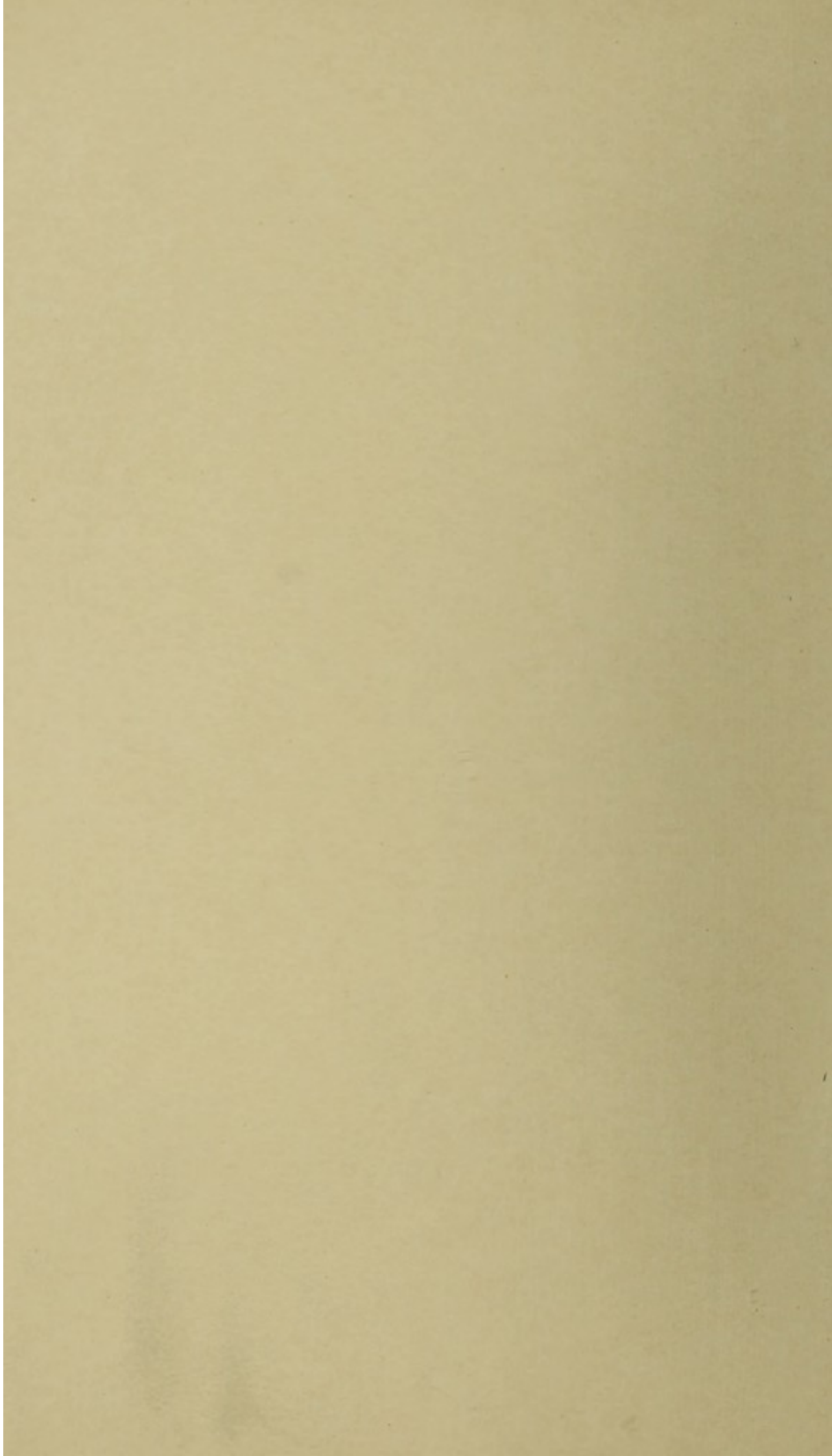
AND THE

Chief Public Health Inspector

FOR THE YEAR 1962

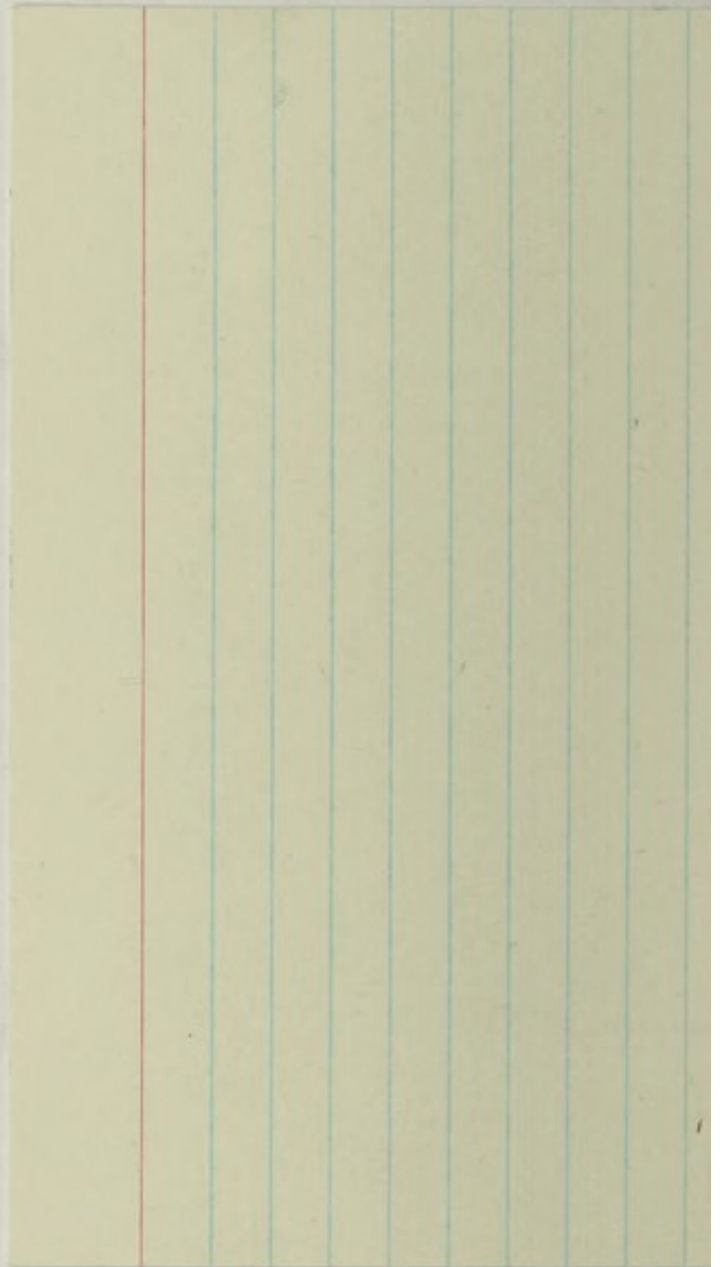
D. G. CRAWSHAW, M.B., Ch.B., D.C.H., D.P.H.
Medical Officer of Health

JOHN GASKELL, M.Inst., P.C., M.R.S.H. F.A.P.H.I.
Chief Public Health Inspector



MOH CREWE

H. H. Jones C 3 1929 NOV 1983 # 5 DEC 1983



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


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

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C H I E F P U B L I C H E A L T H I N S P E C T O R

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

- - - -

HEALTH COMMITTEE

Chairman:

Alderman Mrs. F.E. White

Members:

HIS WORSHIP THE MAYOR -

Councillor E.W. Allcock, J.P.

Alderman W.R. Foulkes, J.P., C.C.

Councillor A.J. Beckett

Councillor J.A. Clews

Councillor F. Holme

Councillor D. Holt

Councillor H. Kent

Councillor A.G. Merrill

Councillor S. Orwell

Councillor Mrs. N.V. Patrick

Councillor Mrs. M.F. Pemberton, J.P.

Councillor J. Perry

Councillor M. Scholes

Councillor H.L. Shore

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. BENNETT, Chief Clerk (part-time with Cheshire C.C.)
(1.2.3.4.5.)

MRS. J.M. COOKE, Clerk (full-time)

CHIEF PUBLIC HEALTH INSPECTOR'S DEPARTMENT

J. GASKELL Chief Public Health Inspector
(1.2.3.4.5.6.) Inspector under the Diseases of Animals Acts

R.E. PLATT Deputy Chief Public Health Inspector
(1.2.5.)

D.W. COOKE Public Health Inspector
(1.2.4.5.)

R.D. COLLIER Public Health Inspector
(1.2.4.)

E.H. PEET Public Health Inspector
(1.2.)

J.B. JONES Public Health Inspector - Commenced 1.3.62.
(1.2.) Resigned 16.12.62.

F.E. WESTON Pupil Public Health Inspector

B. JOYNSON Pupil Public Health Inspector - commenced
24.9.62.

T.C. SIMPSON Chief Clerk

R.J. BLEASE Clerk

Miss J. SANDERS Shorthand Typist

Miss J. WAREBURTON, Shorthand Typist

1. Public Health Inspector's Certificate (Royal Society of Health and Public Health Inspectors' Examination Joint Board).
2. Meat and Food Inspector's Certificate of the Royal Society of Health.
3. Certificate in Sanitary Science as applied to Buildings and Public Works of the Royal Society of Health.
4. Smoke Inspector's Certificate of the Royal Society of Health.
5. Testamur of the Institute of Public Cleansing.
6. Associate Membership Examination of the Institution of Public Health Engineers.

Health Department,
September, 1963.

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 1962.

VITAL STATISTICS

During 1962, 29 infants died before reaching the age of 1 year. This is the highest number recorded during the past 10 years, and compares most unfavourably with the figure of 18 which is the average of the previous last 5 years infant deaths. It is usual to consider these infant deaths in 2 groups - those occurring during the first month of life and those occurring during the period 4 weeks to 12 months. Infant deaths in the first month of life are usually associated with prenatal factors such as congenital abnormality or immaturity, and this group is generally regarded as being the more difficult to reduce. During 1962 of the 29 infant deaths, only 8 occurred in the first month and, as is shown in the table on page 15 this figure is extremely low, the average of the past 10 years being 14.4. Deaths occurring during the 4 weeks to 12 months period are generally regarded as being more easily prevented. No fewer than 21 occurred in 1962, the largest number during any one year in the previous 10 years, was in 1952 when 10 babies died in this group, and the 10 years average is 6.4. Of these 21 infant deaths no fewer than 10 were ascribed to pneumonia or bronchitis, 5 to gastritis, enteritis and diarrhoea, and 2 were accidental deaths. I think it likely that some of these infant deaths were preventable.

This high figure gives an Infantile Mortality Rate of 30.27 per 1,000 total live births. The England and Wales figure is 21.4.

The total number of live births, and birth rate, continues to rise as it has done over the past seven years, and of the

958 births, the illegitimate proportion, approximately 7.5% (72 in number) shows an increase on the previous 5 years average figure, which is 6.0%. The live birth rate for 1962 of 17.8 per 1,000 population is still lower than the England and Wales rate of 18.0.

The total number of deaths recorded, 655, while being lower than the extremely high figure for 1961, (702) is still high in comparison with the average for the period 1951-60, which is 600. In view of the high 1961 figure, I had expected the 1962 total to show a greater reduction. The corrected death rate of 13.9 per 1,000 population remains very high when compared with the England and Wales figure of 11.9. 233 of these deaths occurred to persons aged 75 years or over. 18 deaths were attributed to accidents and 4 persons committed suicide. 3 persons died from Pulmonary Tuberculosis and 110 persons died from Cancer, 26 of these being Lung Cancers.

Regarding Lung Cancer, I do not consider it inappropriate to repeat the remark I included in my last annual report on this subject.

"During the 3 years 1958-1960, the number of Lung Cancer deaths had shown a small annual fall (19, 18, 15) the 1952-1961 average annual figure is 19.4. 15 of the 25 persons who died from Lung Cancer in 1961 were under 65 years of age, 2 being under 45 years of age.

Lung Cancer only rarely gives early signs of its presence and even when diagnosed, and treated, at an early stage in its growth the result is usually unsatisfactory. Its association with cigarette smoking has been proved beyond doubt and I am convinced that most persons who appear unable to accept the evidence of this relationship are not amenable to reason and simply do not wish to face up to the facts.

We have here a disease, causing a steadily increasing number of unpleasant and untimely deaths; the chief exciting factor is known and can be eliminated if the individual is

prepared to suffer a temporary period of deprivation from a drug for which he, or she, has acquired a craving.

In the decade 1952-1961, 194 persons died in Crewe from Lung Cancer, and I can safely predict that unless a sufficient number of residents change their behaviour, the number dying from this cause in the next decade will undoubtedly exceed 194."

The first 26 of this number "exceeding 194" has already occurred.

The following table of deaths due to causes which are to some extent preventable, may be of interest.

<u>Cause</u>	<u>Total No. of Deaths in Period 1952 - 1962 inclusive</u>
Road Accidents	51
All Other Accidents	87
Suicide	63
Tuberculosis	45
Lung Cancer	220

Total deaths due to All Accidents, Suicide and Tuberculosis exceed Lung Cancer deaths by only 26 in this 11 year period. The proportion of Lung Cancer deaths appears to be still increasing.

One death was ascribed to "Pregnancy, Childbirth or Abortion".

INFECTIOUS DISEASES

The notified incidence of Measles, 67 children, demonstrates the 2 year periodicity of this disease (notified incidence in the previous 3 years was as follows:- 1961 - 908; 1960 - 41; 1959 - 1,081). Whooping Cough notifications showed a further fall, which leads me to hope that the benefit from early immunisation is being achieved (notified incidence in the previous years is as follows:- 1961 - 26; 1960 - 145). Years during which Whooping Cough notifications have been quite low in number have, however, occurred previously. Scarlet Fever notifications 62, continued at the 1961 level, and again no case of either

Diphtheria or Poliomyelitis was notified.

During 1962, 19 persons were notified as new cases of Respiratory Tuberculosis. 32 persons' names were removed from the register as "recovered" and although "Tuberculosis" was mentioned on 7 death certificates, the deaths of only 3 persons were attributed to Pulmonary Tuberculosis.

I remain, Mr. Mayor, Ladies and Gentlemen,
Your obedient servant,
D.G. CRAWSHAW.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

GENERAL STATISTICS

Area (Census 1961)	4,386
Population (Census 1961)	53,394
Registrar General's Estimated Population 1962	53,580
Number of Inhabited Houses (1st April, 1962)	16,932
Rateable Value (1st April, 1962)	£607,650
Sum Represented by Penny Rate	£2,478

VITAL STATISTICS FOR THE YEAR 1962

MOTHERS & INFANTS

LIVE BIRTHS

<u>NUMBER</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	447	439	886
Illegitimate	42	30	72
Total	<u>489</u>	<u>469</u>	<u>958</u>

Rate per 1,000 population 17.8

Illegitimate Live Births (per cent. of total live births) 7.51%

STILLBIRTHS

<u>NUMBER</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	7	6	13
Illegitimate	2	-	2
Total	<u>9</u>	<u>6</u>	<u>15</u>

Rate per 1,000 Total Live and Stillbirths 15.4

Total Live and Stillbirths

<u>Males</u>	<u>Females</u>	<u>Total</u>
498	475	973

Infant Deaths (deaths under one year)

<u>Males</u>	<u>Females</u>	<u>Total</u>
15	14	29

INFANT MORTALITY RATES

Total infant deaths per 1,000 total live births	... ..	30.27
Legitimate infant deaths per 1,000 legitimate live births		31.6
Illegitimate infant deaths per 1,000 illegitimate live births		13.8

NEO-NATAL MORTALITY RATE

(deaths under 4 weeks per 1,000 total live births ... 8.35

EARLY NEO-NATAL MORTALITY RATE

(deaths under 1 week per 1,000 total live births) ... 7.30

PERINATAL MORTALITY RATE

(stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) 22.61

MATERNAL MORTALITY (including abortion)

Number of deaths	... ..	1
Rate per 1,000 total live and stillbirths	... ..	1.02

DEATHS - GENERAL

REGISTERED DEATHS

<u>Males</u>	<u>Females</u>	<u>Total</u>
348	307	655

DEATH RATE

(Deaths per 1,000 population) 12.22

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1962

(Provisional figures based on weekly and Quarterly returns)

							CREWE
							Rates per 1,000 of the Population
BIRTHS -							
Live	...	...	...	...	...	...	17.8
Still	...	...	...	...	...	...	0.28
DEATHS -							
All causes	...	...	...	...	...	...	12.22
Typhoid & Paratyphoid Fevers	...	...	...	...	...	...	-
Whooping Cough	...	...	...	...	...	...	-
Diphtheria	...	...	...	...	...	...	-
Tuberculosis (all forms)	...	...	...	...	...	...	0.056
Influenza	...	...	...	...	...	...	0.018
Smallpox	...	...	...	...	...	...	-
Acute Poliomyelitis, including Polioencephalitis	...	...	...	...	...	...	-
Pneumonia (including pneumonia of Newborn)	...	...	...	...	...	...	0.93
							Rates per 1,000 Live Births
Under 1 year of age (all causes)							30.27
Gastro-Enteritis, Colitis (except ulcerative) and Diarrhoea under 2 years of age							5.22
							Rates per 1,000 of the Population
NOTIFICATIONS (Corrected) -							
Typhoid Fever	...	...	...	...	...	...	-
Paratyphoid Fever	...	...	...	...	...	...	-
Meningococcal Infection	...	...	...	...	...	...	-
Scarlet Fever	...	...	...	...	...	...	1.16
Whooping Cough	...	...	...	...	...	...	0.09
Diphtheria	...	...	...	...	...	...	-
Erysipelas	...	...	...	...	...	...	0.055
Smallpox	...	...	...	...	...	...	-
Measles	...	...	...	...	...	...	1.25
Pneumonia	...	...	...	...	...	...	-
Acute Poliomyelitis including Polioencephalitis	...	...	...	...	...	...	-
Paralytic	...	...	...	...	...	...	-
Non-Paralytic	...	...	...	...	...	...	-
Food Poisoning	...	...	...	...	...	...	-
Puerperal Pyrexia	...	...	...	...	...	...	-
Ophthalmia Neonatorum	...	...	...	...	...	...	-
Sonne Dysentery	...	...	...	...	...	...	0.093

A dash (-) signifies that there were no deaths or notifications.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES
IN THE YEAR 1962

(continued)

Comparison of certain rates with those for England and Wales.

COMPARABILITY FACTORS

	<u>Births</u>		<u>Deaths</u>	
	1.00		1.14	
			<u>Crewe</u>	<u>England and Wales</u>
Per 1,000 Home Population				
Live Births			17.8	18.0
Deaths (all causes) actual ...			12.22	
Deaths (all causes) corrected by comparability factor			13.93	11.9
Per 1,000 total (Live and Still) Births				
Stillbirths			15.4	18.1
Per 1,000 Live Births				
Deaths under 1 year of age ...			30.27	21.4

COMPARATIVE STATISTICS 1952 - 1962

Year	Esti- mated Popu- lation	Live Births		Stillbirths		Deaths		Infant Deaths				Maternal Deaths			
		No.	Rate per 1,000 Esti- mated Popu- lation	No.	Rate per 1,000 Total Births	No.	Rate per 1,000 Esti- mated Popu- lation	Under 4 Wks	4 Wks to 12 Mths	Total	Rate per 1,000 Live Births	Se- pis	Other	Total	Rate per 1,000 Total Births
1952	51,940	758	14.6	24	30.6	624	12.01	14	10	24	31.6	1	2	3	3.83
1953	52,150	809	15.5	23	27.6	513	9.8	23	5	28	34.6	-	-	-	-
1954	52,070	794	15.2	15	18.5	624	11.8	17	8	25	31.5	-	-	-	-
1955	51,580	718	13.9	20	27.1	574	11.1	16	9	25	34.8	-	-	-	-
1956	51,510	758	14.7	24	30.69	525	10.2	14	5	19	25.07	-	-	-	-
1957	51,490	785	15.2	20	24.84	576	11.2	14	7	21	26.8	-	-	-	-
1958	51,370	791	15.4	29	35.3	616	12.05	11	8	19	24.02	-	2	2	2.4
1959	51,200	841	16.4	17	19.8	599	11.7	11	4	15	17.8	-	1	1	1.2
1960	51,320	910	17.7	28	29.8	540	10.5	16	3	19	20.9	-	-	-	-
1961	53,730	919	17.1	21	22.3	702	13.1	12	5	17	18.5	-	-	-	-
1962	53,580	958	17.8	15	15.4	655	12.22	8	21	29	30.27	-	1	1	1.02

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1962

CAUSE OF DEATH	ALL	Under 4 Weeks	1 Month to 1 Year	1-4 Years	5-9 Years	10-14 Years	15-24 Years	25-44 Years	45-64 Years	65-74 Years	75 + Years
1. Tuberculosis of Respiratory System	3	-	-	-	-	-	-	1	1	-	1
10. Malignant Neoplasm - Stomach	24	-	-	-	-	-	-	1	7	11	5
11. Malignant Neoplasm - Lungs, Bronchus	26	-	-	-	-	-	-	1	19	6	-
12. Malignant Neoplasm - Breast	11	-	-	-	-	-	-	3	4	-	4
13. Malignant Neoplasm - Uterus	10	-	-	-	-	-	-	-	2	6	2
14. Other Malignant & Lymphatic Neoplasms	38	-	-	-	1	-	-	2	10	17	8
15. Leukaemia, Aleukaemia	1	-	-	-	-	-	1	-	-	-	-
16. Diabetes	3	-	-	-	-	-	-	-	2	1	-
17. Vascular Lesions of Nervous System	99	-	-	-	-	-	1	3	26	34	35
18. Coronary Disease - Angina	100	-	-	-	-	-	-	4	36	30	30
Carried Forward	315	-	-	-	1	-	2	15	107	105	85

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1962

CAUSE OF DEATH	ALL	Under 4 Weeks	1 Month to 1 Year	1-4 Years	5-9 Years	10-14 Years	15-24 Years	25-44 Years	45-64 Years	65-74 Years	75 + Years
BROUGHT FORWARD	315	-	-	-	1	-	2	15	107	105	85
19. Hypertension with Heart Disease	14	-	-	-	-	-	-	-	6	3	5
20. Other Heart Disease	133	-	-	-	-	-	2	2	23	40	66
21. Other Circulatory Disease	9	-	-	-	-	-	-	1	5	2	1
22. Influenza	1	-	-	-	-	-	-	-	1	-	-
23. Pneumonia	50	-	7	-	-	-	-	-	11	13	19
24. Bronchitis	18	-	3	-	-	-	-	-	5	6	4
26. Ulcer of Stomach and Duodenum	4	-	-	-	-	-	-	-	-	1	3
27. Gastritis, Enteritis & Diarrhoea	7	-	5	-	-	-	-	-	1	-	1
28. Nephritis & Nephrosis	11	-	-	-	-	-	1	1	2	4	3
31. Congenital Malformations	5	4	1	-	-	-	-	-	-	-	-
Carried Forward	567	4	16	-	1	-	5	19	161	174	187

DEATHS OF CREWE RESIDENTS DURING THE YEAR 1962

CAUSE OF DEATH	ALL	Under 4 Weeks	1 Month to 1 Year	1-4 Years	5-9 Years	10-14 Years	15-24 Years	25-44 Years	45-64 Years	65-74 Years	75 + Years		
												187	233
BROUGHT FORWARD	567	4	16	-	1	-	5	19	161	174	187		
32. Other Defined and Ill Defined Diseases	66	4	3	-	-	-	1	1	8	3	46		
33. Motor vehicle Accidents	6	-	-	-	1	-	4	1	-	-	-		
34. All other Accidents	12	-	2	-	1	1	3	2	1	2	-		
35. Suicide	4	-	-	-	-	-	1	-	2	1	-		
TOTAL	655	8	21	-	3	1	14	23	172	180	233		

DEATHS OF CREWE INFANTS UNDER 1 YEAR OF AGE DURING 1962

CAUSE OF DEATH	Under 1 Day	DAYS										MONTHS										All
		1	2	3	4	5	6	7	14	21 to 28	1 to 2	3	4	5	6	7	8	9	10	11 to 12		
		1	2	3	4	5	6	7	14	21 to 28	1 to 2	3	4	5	6	7	8	9	10	11 to 12		
Pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	7
Bronchitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3
Gastritis, Enteritis and Diarrhoea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	5
Congenital Malformations	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Other Defined & Ill Defined Diseases	1	1	1	-	-	-	-	-	-	1	-	1	1	-	-	1	-	-	-	-	-	7
All Other Accidents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2
TOTAL	3	3	1	-	-	-	-	-	-	1	-	1	1	1	1	2	-	-	-	-	1	29

NOTIFIED INFECTIOUS DISEASES 1962 : 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	-	3	4	7	5	35	7	1	-	-	-	-	-	62
Whooping Cough	1	-	3	-	1	-	-	-	-	-	-	-	-	5
Measles	6	8	12	14	12	15	-	-	-	-	-	-	-	67
Erysipelas	-	-	-	-	-	-	-	-	-	-	1	2	-	3
Dysentery	-	1	1	-	2	-	1	-	-	-	-	-	-	5
TOTAL	7	12	20	21	20	50	8	1	-	-	1	2	-	142

TUBERCULOSIS

Particulars of New Cases of Tuberculosis and
Deaths During 1962

	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 year - 4 years	1	-	-	-	-	-	-	-
5 years - 9 years	1	-	-	-	-	-	-	-
10 years - 14 years	-	2	-	1	-	-	-	-
15 years - 19 years	2	1	-	-	-	-	-	-
20 years - 24 years	-	1	-	1	-	-	-	-
25 years - 34 years	3	1	-	-	-	-	-	-
35 years - 44 years	-	-	-	-	-	-	-	-
45 years - 54 years	2	-	-	-	1	-	-	-
55 years - 64 years	2	2	-	-	2	1	-	-
65 +	1	-	-	-	3	-	-	-
TOTAL	12	7	-	2	6	1	-	-

Particulars of New Cases and Deaths
During the Last Five Years

Year	New Cases		Deaths	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
1958	21	-	6	1
1959	14	2	5	-
1960	27	1	5	-
1961	16	3	6	-
1962	19	2	7	-

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, 1962.

	Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female
No. of cases on Register of Notifications on 1st Jan. 1962	140	108	15	7
No. of cases notified for the first time during the year	12	7	-	2
No. of cases transferred from other districts	1	2	1	-
No. of cases restored to Register	1	2	-	-
No. of cases removed from Register during the year on account of having				
(a) Recovered	8	21	2	1
(b) Removed from district	3	4	-	1
(c) Died	6	1	-	-
(d) Diagnosis not established	1	-	-	-
(e) Lost sight of	3	-	-	-
No. of cases remaining on the Register on 31st December, 1962	133	93	14	7

Of the 7 cases listed under (c) above, 4 died from a primary cause other than tuberculosis.

VACCINATION AND IMMUNISATION

Vaccination Against Smallpox

The number of vaccinations reported to me during the year was 4,053 showing an increase of 3,630 on the figures for 1961.

	Year of Birth					Total
	1962	1961	1960-1958	1957-1948	1947 or earlier	
Vaccinated	248	308	204	592	1,118	4,053
Re-Vaccinated	1	1	19	202	1,360	

Immunisation

During the year cards received from Medical Practitioners showed that 594 children were immunised against diphtheria. In addition, 235 children received a boosting dose to improve their immunity.

The corresponding figures for 1961 were 752 and 448.

Number of children who had completed a full course of Immunisation between 1st January, 1948 and 31st December, 1962
(According to Health Department Records)

	Under 1	1	2	3	4	5-9	10-14	Total Under 15
	Year 1962	Year 1961	Years 1960	Years 1959	Years 1958	Years 1953 1957	Years 1948 1952	
Last complete course of injections (whether primary or booster)								
A. 1958 - 1962	195	461	727	471	364	1,177	222	3,617
B. 1957 or earlier	-	-	-	-	-	1,595	2,272	3,867
Totals	195	461	727	471	364	2,772	2,494	7,484
Estimated child population 1962	4,338					7,741		

The estimated percentage of child population (0 - 15 years) immunised at 31.12.62. (according to records held in the Divisional Office) is 61%.

No case of diphtheria was notified during 1962 and it is now 12 years since a case of diphtheria has been notified in the Borough.

Number of children who completed a course of inoculation with pertussis vaccines, (including alum precipitated vaccines and vaccines combined with diphtheria prophylactic) during 1962

Children Born in Year							
1962	1961	1960	1959	1958	1953-1957	1948-1952	Total
183	320	33	14	5	19	4	578

Vaccination Against Poliomyelitis
During 1962
(according to records received)

SALK

Class	Number Vaccinated with 4th (Booster) Injection	Number - Vaccinated with 3rd (Booster) Injection	Number Vaccinated with 2 Injections
Children born in the years 1943 to 1962	93	565	280
Young persons born in years 1933 to 1942	1	225	81
Born before 1920 and persons whose age is unknown	-	760	177
Totals	94	1,550	538

ORAL

Class	Number who have received 3 doses of oral vaccine	Number given a reinforcing dose of oral after 2 salk doses	Number given a reinforcing dose of oral vaccine after 3 salk doses
Children born in the years 1943-1962	312	483	192
Young persons born in years 1933-1942	42	131	5
Born before 1920 and persons whose age is unknown	176	304	2
Totals	530	918	199

MEDICAL EXAMINATIONS

During the year, 140 persons were medically examined. Of these 72 were examined in conjunction with the Corporation's Superannuation and Sickness Pay Schemes, 57 were County Staff or persons seeking entry to a Training College, and 11 were of persons applying for a Taxi Driver's Licence.

MORTUARY FACILITIES

The Corporation Mortuary was closed on 1st January, 1962 and arrangements made with the South Cheshire Hospital Management Committee have proved entirely satisfactory. During the year the Corporation paid fees in respect of 64 bodies received at the Crewe Memorial Hospital Mortuary.

MORAL WELFARE

I am indebted to the Secretary of the Crewe and District Committee for Prevention and Rescue work which deals with moral

welfare in Crewe and the surrounding area, and also maintains the St. Hilda's Home, 71, West Street, Crewe, for the following information:-

During the past year 27 girls and their babies have been in the Home. Of these, 21 girls returned to their own homes, eight taking their babies with them, five went into lodgings, fourteen babies were adopted.

Of the outdoor work which has been done in the area, thirty girls were sent to Mother and Baby homes and twenty three girls were helped from their own homes.

NATIONAL ASSISTANCE ACT, 1948 AND NATIONAL ASSISTANCE (AMENDMENT)
ACT, 1951

During the year it became necessary to use the emergency procedure provided in the Amendment Act in respect of one person.

FOOD POISONING

No cases of food poisoning were notified during the year.

ANNUAL REPORT OF
THE CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR 1962

Chief Public Health Inspector's
Department,
Municipal Buildings,
C R E W E.

16th October, 1963.

To the Mayor, Aldermen and Councillors
of the Borough of Crewe.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present my fifteenth annual report on the work of the public health inspectorate.

Slum clearance continued to receive priority of attention and progress was satisfactory. The first post-war slum clearance scheme which was approved by the Ministry of Housing and Local Government in May 1955 called for the demolition of 328 houses, the second programme submitted in February 1959 for the clearance of an additional 429 dwellings, and the third programme approved in June 1962 for a further 713 houses. Since the inception of the scheme in 1955 to the end of 1962, formal steps had been initiated for the clearance of 791 of these houses, 579 families rehoused and 525 houses demolished.

Twenty-four applications were received and approved under the provisions of the House Purchase and Housing Act, 1959 for improvement grants to modernise suitable houses. Since the scheme began, 257 applications have been approved, and at the close of the year work of modernising 227 dwellings had been completed. The total cost of the work on the 257 dwellings will be £52,309, of which £38,030 will rank for grant. The average grant per house over the whole period was £74.

In the last few years, local authorities have become increasingly concerned with the need for more determined efforts to modernise the large number of sound but older houses which lack the amenities now regarded as essential for full, happy and contented family life. The Government too, are not satisfied with the progress which is being made with improvement works. The standard grants scheme introduced in 1959 has been rather more successful than the discretionary scheme, but progress under both schemes has been far below the rate required. The rate of improvement with grant aid rose to 135,000 houses in the year 1960, but in 1962, it fell to 115,000, whilst the figure for the first

six months of 1963 was 59,696. It has recently been announced in the White Paper "Housing" (Cmd. 2050) that the Government are to aim at stepping up the rate of improvement to between 150,000 and 200,000 houses a year, and that to achieve this objective, local authorities are to be given powers of compulsion.

In previous annual reports I have made reference to the value of improvement grant schemes, and I would once again appeal to the owners of suitable property to consult the department concerning the availability of grants for modernisation.

The first smoke control area in the borough - the Borough of Crewe No. 1 (Marshfield Bank and Wistaston Green) Smoke Control Order 1960 - came into operation on the 1st October, 1962, and I am pleased to report with the co-operation of all concerned, has operated satisfactorily, and with benefit to the community since its inception. Smoke and other pollution from our chimneys is a danger to health. Most of the smoke today, comes from the burning of raw coal in domestic fires - discharged into the air at only roof height, and heaviest in cold smoggy winter weather. It follows therefore, that there can be no appreciable improvement in atmospheric conditions, so long as we continue to burn bituminous coal in domestic grates. The aim of all towns and cities should be to be completely smokeless in the shortest possible time, and it is hoped that Crewe will be in the forefront of the campaign for clean air.

The department continued to co-operate with the Department of Scientific and Industrial Research in recording smoke and sulphur-dioxide concentrations, and in this respect was fortunate in receiving the continued assistance of the staff of British Railways (Midland Region) Laboratory at Crewe. It is, however, with deep regret I record the sudden death during the year of the Area Chemist, R. Emrys Jones, Esq., A.M.C.T., F.R.I.C.

In conclusion, I wish to express my thanks to His Worship the Mayor, the Chairman and members of the Health Committee, members of the staff and to other chief officers and their staffs for their co-operation.

I have the honour to be,

Your obedient servant,

J. GASKELL,

Chief Public Health 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 frequency of collection was maintained generally throughout the Borough.

The Cleansing Department operates a Refuse Disposal Plant and has a separate Garage and Workshop.

Twelve vehicles (including one spare vehicle) are employed on the collection of household and trade refuse and nightsoil, in addition to three vehicles used in connection with refuse disposal.

Household refuse collected	...	...	...	12,850 tons
Trade refuse collected	...	...	...	1,452 tons
Total refuse collected by the Department during the year	...	...	...	<u>14,302 tons</u>

2,200 tons of shop and factory refuse were also brought to the Refuse Disposal Works for disposal, making a total of 16,502 tons of refuse dealt with during the year. The refuse disposal plant was closed for most of the year while a reconstruction scheme was carried out. Only 6.1% 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

There are still a number of privy pails in the Borough, situated in the present unsewered northern area of the town.

34 sets of water closet fittings were issued during the year for the conversion of waste water closets.

WATER SUPPLY

The water supply to the district is provided by the Mid and South East Cheshire Water Board. The water is not plumbo-solvent and all dwelling houses are supplied direct from the mains.

Mr. D.G. Davies, Engineer and Manager to the Board, has supplied the following information relating to the supply.

During 1962, 27 samples were taken by the Water Board in Crewe, and all were found to contain no B. Coli in 100 ml.

Some trouble was experienced during the summer with deposits from the inside of the mains being loosened and appearing at consumers' taps. An intensive programme of flushing was carried out, apparently with satisfactory results.

A copy of a typical chemical analysis of the water delivered to Crewe from Hurleston is given below:

Source of supply to consumers	R. Dee Hurleston works
Daily volume in million gallons	5
No. of samples and period over which they have been collected	44 in 12 months (Oct. 1961 - Sept. 1962 inclusive).
Colour	from less than 5 Hazen to 10
Reaction pH	from 7.4 to 8.4
Electrical conductivity at 25° umhos	from 198 to 385
Hardness as Ca CO ₃	
Total	from 78 to 171 p.p.m.
Non-carbonate	from 36 to 83 p.p.m.
Alkalinity as Ca CO ₃	from 41 to 90 p.p.m.
Free Carbon dioxide	from nil to nil p.p.m.
Chlorides expressed as chlorine	from 14.3 to 26.8 p.p.m.
Ammoniacal nitrogen	from <0.01 to 0.01 p.p.m.
Albuminoid nitrogen	from 0.05 to 0.14 p.p.m.
Nitrate nitrogen	from <0.1 to 2.4 p.p.m.
Oxygen absorbed from permanganate in 4 hrs. at 27° C.	from 0.48 to 1.12 p.p.m.
Iron	from 0.01 to 0.04 p.p.m.
Other metals	nil
Aluminium	from 0.01 to 0.12 p.p.m.
Residual chlorine	from 0.07 to 0.20 p.p.m.

In addition to the samples mentioned above, 17 samples of water were also submitted by my department for bacteriological and chemical examination and all except one, proved satisfactory.

NUMBER AND NATURE OF COMPLAINTS

The Department received 729 complaints during the year from householders, shopkeepers and others relating to numerous matters, as set out in the table below.

NATURE OF COMPLAINT

Disrepair - General	27
Defective chimneys	1
Defective doors	2
Defective plasterwork	3
Defective floors	2
Defective roofs	19
Defective eaves gutters and pipes	10
Burst water pipes	18
Dampness	5
Defective water closets	17
Choked drains	200
Flooding	16
Accumulations	8
Dirty premises	7
Vermin	11
Beetles and Cockroaches	17
Ants	17
Rats	239
Mice	72
Foul and obnoxious odours	14
Smoke nuisances	2
Miscellaneous	22

729

INSPECTIONS

Nature of Inspections made	Num- ber	Number of Notices served		Result of Notices served		Pro- secu- tions
		Infor- mal	Stat- utory	Com- plied with	Remain- ing in hand	
Dwellinghouses (P.H.Act)	262	136	26	110	52	-
Dwellinghouses (Hsg.Act)	675	-	-	-	-	-
Rapid Housing Survey	795	-	-	-	-	-
Improvement Grants	357	-	-	-	-	-
Rent Act Certificates	14	-	-	-	-	-
Back to Back Houses	-	-	-	-	-	-
Verminous Houses	65	-	-	-	-	-
Tents, Vans and Sheds	125	-	-	-	-	-
Ashpails	123	89	2	91	-	-
Yards and passages	21	-	-	-	-	-
Drains and sewers	1547	-	549	549	-	-
Ditches and watercourses	48	1	-	1	-	-
Offensive accumulations	71	-	-	-	-	-
Keeping Animals	22	1	-	1	-	-
Offensive Trades	28	-	-	-	-	-
Places where food is prepared or sold	472	7	-	7	-	-
Bakehouses	31	-	-	-	-	-
Dairies and Milkshops	25	-	-	-	-	-
Factories -						
with mechanical power	30	6	-	6	-	-
with no mechanical power	5	-	-	-	-	-
Workplaces	3	-	-	-	-	-
Outworkers	2	-	-	-	-	-
Common Lodging Houses	35	-	-	-	-	-
Shops Under Shops Act	14	-	-	-	-	-
Smoke Observations	19	-	-	-	-	-
Atmospheric Pollution	2153	-	-	-	-	-
Infectious Diseases - (Enquiries and revisits)	61	-	-	-	-	-
Houses re overcrowding	17	-	-	-	-	-
Milk Samples -						
Bacteriological exam.	182	-	-	-	-	-
Ice cream samples	63	-	-	-	-	-
Water supply and samples	67	-	-	-	-	-
Food and Drugs Act (including samples)	196	-	-	-	-	1
Applicants for Corporation Houses	270	-	-	-	-	-
Rodent Control	92	-	-	-	-	-
Miscellaneous	591	-	-	-	-	1
Re-inspections	667	-	-	-	-	-
TOTALS	9148	240	577	765	52	2

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	60
Number of rooms disinfected	4
Number of cases where bedding, etc. was disinfected by steam at request of owners	15
Number of Library Books disinfected -	
(a) from Public Library	65
(b) from Private Libraries	Nil .. 65

During the year, 24 bottles of disinfecting fluid, amounting to 3 gallons, were supplied free of charge for use at premises where cases of infectious disease had occurred.

DISINFESTATION

The following table shows the number of premises treated during 1962.

	Number found to be infested		Number of Premises Disinfested
	Premises	Rooms	
Council Houses	24	75	24
Other Houses	15	47	15
Cases confirmed after complaint of infestation	11	-	-
Cases found by Public Health Inspectors	28	-	-
Houses disinfested by Corporation	-	-	39
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, 65 houses were treated for infestations of beetles and 87 houses for ants.

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.

During the year, 18 samples of bath water were submitted for bacteriological and chemical examination and 1 sample proved unsatisfactory, but subsequent samples proved 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, 31 persons are registered as Dealers in Old Metal.

RAG FLOCK

Number of licensed premises used for the manufacture of, or storage of Rag Flock -

Number of registered premises where filling materials are used 1

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 and 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>					
	<u>Males</u>	<u>Females</u>	<u>Males</u>	<u>Females</u>				
1962	4,886	836	-	-
1961	5,380	1,687	-	-
1960	7,149	1,284	-	-

HOUSING STATISTICS

Number of New Houses erected during the year:

(1) By the Local Authority	...	...	...	...	95
(2) By other authorities	...	...	...	...	-
(3) By other bodies or persons	...	...	...	...	179

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) -					
(i) On General Inspection	...	...	...	...	136
(ii) Slum Clearance...	...	...	...	...	234
				Total	...
					370
(b) Number of inspections made for the purpose -					
(i) General inspections	...	...	...	...	262
(ii) Slum Clearance...	...	...	...	...	675
				Total	...
					937
(2) (a) Number of Dwelling houses (included under the sub-heading (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925 -					
(i) On General inspections	...	...	...	...	-
(ii) Slum Clearance...	...	...	...	...	234
				Total	...
					234
(b) Number of inspections made for the purpose -					
(i) General inspections	...	...	...	...	-
(ii) Slum Clearance...	...	...	...	...	675
				Total	...
					675

Housing Statistics, cont.

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for habitation -

(i)	On General inspections	-
(ii)	Slum Clearance	234
	Total ...	234

(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 136

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 77

3. Action under Statutory Powers during the Year

(a) Proceedings under Sections 9 and 10 of the Housing Act 1957 -

(1) Number of dwelling houses in respect of which notices were served requiring repairs .. Nil

(2) Number of dwelling houses which were rendered fit after service of formal notices -

(a) By owners Nil

(b) By Local Authority in default of owners Nil

(b) Proceedings under Public Health Acts -

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 26

Housing Statistics, cont.

3.	(b)	Proceedings under Public Health Acts -					
	(2)	Number of dwelling houses in which defects were remedied after service of formal notices -					
	(a)	By owners					15
	(b)	By Local Authority in default of owners					-
	(c)	Proceedings under Sections 16 and 17 of the Housing Act, 1957 -					
	(1)	Number of dwelling houses in respect of which demolition orders were made					-
	(2)	Number of dwelling houses demolished in pursuance of demolition orders					1
	(3)	Number of undertakings to carry out works in lieu of demolition accepted by the Council					-
	(4)	Number of dwelling houses in respect of which closing orders were made					6
4.		<u>Housing Act 1957 - Part IV - Overcrowding</u>					
	(a)	(1) Number of dwellings overcrowded at end of year					4
		(2) Number of families dwelling therein					4
		(3) Number of persons dwelling therein					43
	(b)	Number of new cases of overcrowding reported during the year					-
	(c)	(1) Number of cases of overcrowding relieved during the year					-
		(2) Number of persons concerned in such cases					-
	(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					Nil

HOUSING CLEARANCE PROGRAMME

The following table shows the progress made since 1955 to the end of the year with the Slum Clearance Programmes

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55-31/12/62	No. of houses demolished to 31/12/62
1. CLEARANCE AREAS:					
West Ward No. 2 (Naylor Street) Compulsory Purchase Order 1956	87	5/6/56	5/4/57	79	87
West Ward No. 3 (Stafford Street) Clearance Order 1957	8	5/6/56	19/6/57	7	8
Central Ward No. 4 (Foundry Street) Clearance Order 1957	15	4/6/57	11/3/58	13	15
North Ward No. 8 (Earle Street) Clearance Order 1957	7	4/6/57	19/11/57	7	7
North Ward No. 9 (Martin Street) Clearance Order 1957	15	13/8/57	8/7/57	13	15
South Ward No. 2 (Railway Street) Clearance Order 1957	18	13/8/57	22/9/58	18	18
West Ward No. 4 (Stafford Street and Henshaw Street) Clearance Order 1958	10	4/6/58	9/7/59	10	9
∑	160			147	159

HOUSING CLEARANCE PROGRAMS, Cont.

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55-31/12/62	No. of houses demolished to 31/12/62
<u>Clearance areas, cont.</u>	160			147	159
b/f South Ward No. 3 (Mill Street) Clearance Order 1958	6	12/8/58	8/5/59	4	6
Central Ward No. 5 (Lockitt Street) Clearance Order 1958	15	12/8/58	19/5/59	14	15
North Ward No. 10 (Davenport Street) Clearance Order 1958	14	12/8/58	8/4/59	13	14
North Ward No. 11 (Broad Street) Clearance Order 1958	12	12/8/58	14/4/59	12	12
North Ward No. 12 (Broughton Road) Clearance Order 1958	3	12/8/58	8/4/59	3	3
North Ward No. 13 (Sydney Road) Clearance Order 1958	2	7/10/58	8/4/59	3	2
West Ward No. 5 (Alexandra Street) Compulsory Purchase Order 1959	85	7/4/59	12/9/60	85	85
West Ward No. 6 (Orchard Place) Clearance Order 1959	20	2/6/59	21/7/60	19	20
c/f	317			300	316

HOUSING CLEARANCE PROGRAMME, Cont.

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55-31/12/62	No. of houses demolished to 31/12/62
<u>Clearance areas, cont.</u> b/f	317			300	316
Central Ward No. 6 (Liverpool Street/Forge Street) Compulsory Purchase Order, 1961.	186	12/4/60	5/10/61	128	80
Central Ward No. 7 (Bank Street/Lockitt Street) Compulsory Purchase Order 1961.	45	4/8/61	5/4/62	25	-
South Ward No. 4 (Mill Street) Compulsory Purchase Order 1962.	2	10/4/62	-	-	-
Central Ward No. 10 (Chester Street West) Clearance Order, 1962.	2	10/4/62	2/11/62	-	-
Central Ward No. 11 (John Street) Clearance Order, 1962.	2	10/4/62	-	-	-
West Central Ward No. 1 (Peel Street) Clearance Order, 1962.	8	10/4/62	-	-	-
West Central Ward No. 2 (Dale Street) Clearance Order, 1962.	6	10/4/62	2/11/62	-	-
West Central Ward No. 3 (West Street/Stafford Street) Compulsory Purchase Order, 1962.	65	10/4/62	-	-	-
c/f	633			453	396

HOUSING CLEARANCE PROGRAMME, Cont.

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55-31/12/62	No. of houses demolished to 31/12/62
<p>b/f</p> <p><u>Clearance areas, cont.</u></p> <p>North East Ward No. 1 (Chapel Lane) Clearance Order, 1962</p>	633	10/4/62	18/10/62	453	396
<p>2. <u>AREAS DEALT WITH INFORMALLY WITH THE APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT</u></p> <p>Park Place</p>	10	10/4/62		-	-
<p>3. <u>HOUSES BELONGING TO THE CORPORATION AND DEMOLISHED WITH APPROVAL OF THE MINISTRY OF HOUSING AND LOCAL GOVERNMENT</u></p>	67	19/4/56	9/7/57	65	67
<p>During 1954 During 1956 During 1958 During 1959 During 1960 During 1961</p>	6 3 4 3 4 1	- - - - - -	- - - - - -	3 2 4 2 3 1	6 3 4 3 2 -
<p>c/f</p>	731			533	481

HOUSING CLEARANCE PROGRAMME, Cont.

Description of Property	No. of houses in Area	Date of Representation Report	Date of Confirmation of Order	No. of families rehoused 3/11/55-31/12/62	No. of houses demolished to 31/12/62
4. HOUSES DEALT WITH BY <u>INDIVIDUAL DEMOLITION OR CLOSING</u> b/f	731			533	481
(a) <u>Demolition Orders:</u>					
During 1955	1	-	-	1	1
During 1956	4	-	-	3	4
During 1957	9	-	-	6	9
During 1958	11	-	-	9	11
During 1959	14	-	-	12	14
During 1960	3	-	-	2	2
During 1961	1	-	-	-	1
(b) <u>Closing Orders:</u>					
During 1955	1	-	-	1	-
During 1956	1	-	-	-	-
During 1959	1	-	-	1	-
During 1960	7	-	-	7	2
During 1961	2	-	-	-	-
During 1962	5	-	-	4	-
TOTALS	791			579	525

IMPROVEMENT GRANTS

1.	Number of applications received to 31st December, 1961	...	...	233
	Number of applications received during the year	...	...	<u>24</u>
	Total applications received to 31st December, 1962	...	...	<u>257</u>
2.	Number of applications approved to 31st December, 1961	...	...	232
	Number of applications approved during the year	...	...	<u>24</u>
	Total applications approved to 31st December, 1962	...	...	<u>256</u>
3.	Number of applications withdrawn to 31st December, 1961	...	...	10
	Number of applications withdrawn during the year	...	...	<u>1</u>
	Total applications withdrawn to 31st December, 1962	..	...	<u>11</u>
4.	Number of cases where work was completed by 31st December, 1961	...	...	206
	Number of cases where work was completed during the year	...	...	<u>21</u>
	Total number of cases where work was completed by 31st December, 1962	...	...	<u>227</u>
5.	Expenditure ranking for grant approved to 31st December, 1961	...	...	£34,853 14s 3d
	Expenditure ranking for grant approved during the year...	...	...	<u>3,176 16s 5d</u>
	Total expenditure ranking for grant approved to 31st December, 1962	...	...	<u>£38,030 10s 8d</u>
6.	Expenditure on works and repairs not ranking for grant in cases approved to 31st December, 1961	...	...	£12,728 1s 5d
	Expenditure on works and repairs not ranking for grant in cases approved during the year...	...	...	<u>1,550 19s 9d</u>
	Total expenditure on works and repairs not ranking for grant in cases approved to 31st December, 1962	...	...	<u>£14,279 1s 2d</u>
7.	Average grant per house	...	...	£74 5s 7d
8.	Number of grants repaid to 31st December, 1962			7
	Total amount of grants repaid	...	...	£398 3s 9d

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

CERTIFICATES OF DISREPAIR

Rent Act 1957

Part I - Applications for Certificates of Disrepair

Number of applications for certificates	4
Number of decisions not to issue certificates	Nil
Number of decisions to issue certificates -	
(a) in respect of some but not all defects	3
(b) in respect of all defects	1
Number of undertakings given by landlords under paragraph 5 of the first schedule	Nil
Number of undertakings refused by Local Authority under proviso to paragraph 5 of the first schedule	Nil
Number of certificates issued	3

Part II - Applications for Cancellation of Certificates

Number of applications by landlords to Local Authority for cancellation of certificates	Nil
Number of objections by tenants to cancellation of certificates	Nil
Number of decisions by Local Authority to cancel in spite of tenant's objections	Nil
Number of certificates cancelled by Local Authority	Nil

FACTORIES ACT 1961

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Particulars	Number on Register	Inspection	Number of	
			Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	10	5	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	168	30	4	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers premises).	17	3	-	-
TOTAL	195	38	4	-

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
Want of Cleanliness (S.1.)	-	-	-	-
Sanitary Conveniences (S.7.)				
(a) Insufficient	1	1	-	1
(b) Unsuitable or defective	5	5	-	5
(c) Not separate for sexes	-	-	-	-
TOTAL	6	6	-	6

3. OUTWORKERS. List required by Section 110 received relating to 72 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. Hses.	Bus. Pres.	
<u>NUMBER OF PROPERTIES INSPECTED:</u>				
(1) Primary Inspections:				
(a) as a result of notification	16	214	61	291
(b) otherwise	-	275	-	275
(2) Re-inspections:				
(a) as a result of notification	-	9	4	13
(b) otherwise	-	9	-	9
Total properties inspected ..	16	507	65	588
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY RATS</u>				
(1) On Primary inspections:				
(a) Major	-	-	-	-
(b) Minor	14	387	31	432
(2) Re-infestations:				
(a) Major	-	-	-	-
(b) Minor	-	14	2	16
<u>NUMBER OF PROPERTIES FOUND TO BE INFESTED BY MICE</u>				
(1) On primary inspections	2	91	29	122
(2) On re-inspections	-	4	2	6
Total infestations found ..	16	496	64	576
<u>NUMBER OF INFESTED PROPERTIES TREATED BY LOCAL AUTHORITY</u>				
(1) Primary treatments:				
(a) for rats	13	406	37	456
(b) for mice	1	111	35	147
(2) Treatment for re-infestation				
(a) for rats	1	24	1	26
(b) for mice	1	6	1	8
Total treatments	16	547	74	637

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.

RODENT CONTROL, Cont.

Following the treatments carried out, 1,432 rats and 564 mice were picked up, whilst the estimated kill was 3,381 rats and 1,179 mice.

During the year the rodent operators paid 5,893 visits in connection with the inspection and treatment of premises.

Two maintenance treatments of the sewers were also carried out. 865 manholes were baited and 500 takes of poison bait were recorded, showing an estimated kill of 1,500 rats.

PET ANIMALS ACT 1951

There are six premises in the Borough licensed 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.

INSPECTION AND SUPERVISION OF FOOD

FOOD HYGIENE

Food hygiene has continued to receive the attention of the public health inspectorate and 528 visits have been made for this purpose.

All plans of food premises submitted to the Borough Engineer are scrutinised for compliance with the various Acts and Regulations and where amendments are necessary the owner or architect is advised and corrections made before submission to the appropriate Committees. This system has worked very well indeed and architects and others have co-operated fully with the Department.

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

Number and type of food premises

Premises requiring registration

For the manufacture of Ice Cream	3
For the storage and sale of Ice Cream	240
For the preparation and manufacture of sausages or pressed, potted or preserved meat, etc.	26
Dairies	10

Other premises

Fried Fish Shops	46
Wet Fish Shops	8
Bakehouses	15
Butchers Shops	57
Tripe Shops	1
Restaurants, Cafes, etc.	29
School Canteens... ..	23
Factory Canteens	25
Licensed premises -	
Full licences	64
Beer licences	5
Clubs	28
Off licences	21
On licences	-
Restaurant licences	3
Grocery and Confectionery shops	232
Greengrocery	63
Health Food Stores and Herbalists	3
Sweet Shops	42

FOOD INSPECTION

There are no slaughterhouses in the Borough.

The following table shows the foods condemned during the year on account of decomposition, etc.

TINNED FOODS

				lbs	
Meat...	...	...	...	1,341	
Fruit	...	...	...	1,449	
Vegetables...	...	...	...	860	
Miscellaneous	...	...	...	367	4,017 lbs

OTHER FOODS

Meat...	...	...	...	273	
Sausages	...	...	...	70	
Meat Pies	...	...	...	44	
Cheese	...	...	...	87	
Bananas	...	...	...	200	
Miscellaneous	...	...	...	66	740 lbs
				<u>TOTAL</u>	<u>4,757 lbs</u>

ICE CREAM

Ice cream was manufactured at three premises in the Borough in 1962, while 240 premises were registered for the storage and sale of ice cream. A complete cold mix is used at two of the manufacturing premises in the Borough and pasteurisation at the other.

44 samples of ice cream were submitted for bacteriological examination and the results of the examinations are shown below.

Ice Cream	Methylene Blue Test Grading				Total
	Grade I	Grade 2	Grade 3	Grade 4	
Samples taken at manufacturing premises ...	9	2	3	4	18
Samples taken from retailers in the Borough ..	22	4	-	-	26
TOTALS	31	6	3	4	44

Six samples of ice cream were taken under the Food and Drugs Act, for chemical analysis. The average fat content of these samples was 9.1% and the average non-fatty solids 10.3%

MILK

Distributors of Milk

Registered distributors of milk	...	...	...	...	...	...	156
Registered dairies	10

Designated Milk

Dealer's Pre-packed licences...	152
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Pasteurised Milk

Establishments at which milk is pasteurised -

Holder Process	-
H.T.S.T. Process	...	...	...	...	...	...	...	1

MILK SAMPLING

During the year 130 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
20	Tuberculin Tested (Pasteurised)	20	-	20	-	-	-
89	Pasteurised	89	-	89	-	-	-
21	Sterilised	-	-	-	-	21	-
130	TOTALS	109	-	109	-	21	-

The following table shows the average fat and solids-not-Fat contents of milk samples taken under the Food and Drugs Act 1955.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES

PERIOD	No. of samples examined	Averages	
		Milk Fat %	Solids-not-Fat %
Quarter ended 31st March, 1962	-	-	-
Quarter ended 30th June, 1962	1	3.5	8.87
Quarter ended 30th September, 1962 ..	12	3.54	8.64
Quarter ended 31st December, 1962 ...	1	3.9	8.89
YEAR 1962	14	3.57	8.67

SLAUGHTER OF ANIMALS ACTS 1933-1954

The number of slaughtermen's licences issued in 1962 was 12.

KNACKER'S YARDS

There is one Knacker's Yard in the Borough. These premises are not licensed for the slaughter of horses.

FOOD AND DRUGS ACT 1955

During the year 21 formal and 159 informal samples were submitted to the Public Analyst for analysis.

Nature of Sample	No. of Samples		Number of Samples adulterated or not genuine
	Informal	Formal	
Milk	8	9	1
Meat and Meat Products	38	-	5
Fish and Fish Products	2	-	-
General Groceries	78	-	6
Preserves	4	-	-
Ice Cream	6	-	-
Flour Confectionery	7	-	2
Sugar Confectionery	8	-	3
Cordials	3	-	1
Medicines etc.	5	-	-
Beer and Spirits	-	12	-
	159	21	
	180		18

FOOD AND DRUGS ACT 1955

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
2311 Informal	Gin & Orange Sweets	Improperly labelled.	Labelling amended to comply with Act
2312 Informal	Whisky & Ginger Sweets	Improperly labelled.	Labelling amended to comply with Act
2337	Milk	Dirty bottle.	Vendor cautioned
2377	Black Pudding	Contained a metal staple.	Manufacturer cautioned
2392 Informal	Sausage	Low meat content.	Manufacturer cautioned
2418	Cream Cake	Contained heavy mould.	Vendor and manufacturer cautioned
2420 Informal	Food Colour Preparations	Improperly labelled.	Stocks withdrawn and labelling amended to comply
2435 Informal	Chocolate covered nuts	Improperly labelled.	Discussions held with manufacturers re. labelling
2439 Informal	Tapioca Flake	Contained organic matter and animal hair	Stocks withdrawn
2440 Informal	Pork Sausage	Low meat content.	Manufacturer cautioned
2447 Informal	Raisins	Improperly labelled.	Labelling amended to comply with Act
2452 Informal	Pork sausage	Low meat content.	Manufacturer cautioned.
2453	Loaf	Contained a bolt.	Vendor cautioned
2454	Fruit Salad	Contents contaminated by metal.	Stocks withdrawn

Sample Number	Article	Adulteration or other irregularity	Action Taken
2455	Cream Slice	Contained foreign object.	Manufacturers cautioned
2469	Loaf	Contained piece of rayon yarn.	Vendor cautioned
2473 Informal	Pork Sausage	Low meat content.	Vendor cautioned
2486	Orange Crush	Contaminated by chemicals and unfit for human consumption.	Vendor prosecuted and fined £10

ATMOSPHERIC POLLUTION

The implementation of the provisions of the Clean Air Act, 1956 continued to occupy a considerable amount of the time of public health inspectors, and 2,153 inspections were made for this purpose.

Six applications were submitted to the local authority for "prior approval" and seven notifications were received of "intention to install" furnaces under Section 3 of the Act. The Health Committee approved all applications for "prior approval" - five oil fired installations and three gas fired furnaces.

The seven year period of conditional exemption of industrial furnaces from the provisions of Section 1 of the Act ended on the 5th July, 1963. Industrialists in the borough were reminded of this and of their consequent responsibilities under the Clean Air Act, 1956, but despite this, not all industrial plant has been brought up to the necessary standard.

The Borough of Crewe No. 1. (Marshfield Bank and Wistaston Green) Smoke Control Order, 1960, covering some 270 acres on the westerly side of the borough, and affecting some 1,085 properties came into operation on the 1st October, 1962. Apart from minor "teething" troubles, the Order has operated with little or no difficulty.

The department has, since 1949, in co-operation with the Department of Scientific and Industrial Research, made regular monthly recordings of the degree of air pollution throughout the borough. The analyses of the readings of the various stations are shown in the appended tables and graphs.

In 1961, Crewe was selected as one of 120 towns to take part in a National Survey of Atmospheric Pollution and five additional sets of instruments have been installed at particular sites in the district.

The sites selected cover five types of district in accordance with the recommendations of the Department of Scientific and Industrial Research as follows:

	<u>Crewe Site</u>
(a) Residential area with a high population density	Stalbridge Road Clinic
(b) Residential area with a low population density	College Annexe, Railton Avenue
(c) Industrial area	Railway Works
(d) Commercial Area	British Railway Laboratory, Town Hall
(e) Smoke Control area	Sewage Works

The results obtained are collated by the Warren Spring Laboratory of the Department of Scientific and Industrial Research.

VOLUMETRIC CONCENTRATION OF SMOKE AND
SULPHUR DIOXIDE IN THE ATMOSPHERE - YEAR 1962

Average daily concentration expressed as microgrammes per cubic metre.

MONTH	A Residential Area, high population density.		B Residential Area, low population density.		C Industrial Area.		D Commercial Area.		E Smoke Control Area.	
	Smoke	Sulphur dioxide	Smoke	Sulphur dioxide	Smoke	Sulphur dioxide	Smoke	Sulphur dioxide	Smoke	Sulphur Dioxide
Jan.	420	342	317	270	310	331	460	445	252	179
Feb.	407	311	217	170	245	284	336	319	125	92
Mar.	443	368	395	404	341	348	298	255	273	216
April	333	257	182	153	172	207	254	258	139	113
May	226	168	141	117	156	173	190	191	97	88
June	117	93	63	75	100	119	98	125	44	64
July	141	117	91	76	107	91	103	124	59	61
Aug.	98	74	60	51	79	108	92	87	27	35
Sept.	230	180	147	124	152	147	192	178	65	70
Oct.	333	248	224	164	200	211	264	278	105	96
Nov.	535	354	388	292	386	364	465	443	208	174
Dec.	397	347	257	253	244	318	410	463	138	142

ATMOSPHERIC POLLUTION - SMOKE DEPOSITED MATTER 1962

Monthly Deposits in Tons per Square Mile

MONTH	ASHBANK CO-OP STORES		IMPERIAL CHAMBERS		SEWAGE WORKS		EIM DRIVE		CREWE GATES FARM			
	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961		
Jan.	19.49	16.56	22.38	19.46	10.87	13.33	9.57	15.13	11.51	12.50	12.04	16.70
Feb.	14.07	13.85	15.96	17.22	6.41	5.81	7.45	8.56	10.37	8.13	8.25	9.59
Mar.	17.22	12.64	17.60	17.94	9.81	5.73	7.68	10.18	9.64	8.31	8.64	8.02
April	15.98	15.90	18.69	17.33	9.36	9.55	8.92	13.77	11.53	9.64	12.37	10.88
May	15.34	12.95	19.06	12.62	10.49	8.72	7.88	20.32	7.97	12.56	10.57	12.42
June	14.91	11.98	16.27	11.66	11.00	7.03	6.21	18.88	10.84	14.89	14.20	10.62
July	13.09	13.09	14.06	12.46	8.83	8.37	7.50	9.05	11.47	12.64	14.70	9.93
Aug.	10.78	11.28	16.33	14.70	6.68	5.99	5.13	12.01	10.28	12.12	10.85	9.42
Sept.	10.27	11.75	13.00	15.46	19.82	8.30	5.85	10.75	10.23	18.80	12.08	10.05
Oct.	14.89	15.18	16.76	23.12	11.74	9.10	5.51	11.47	11.55	8.88	16.08	6.31
Nov.	15.92	10.62	21.72	18.24	9.56	7.30	7.67	12.49	11.00	13.30	11.13	10.05
Dec.	14.28	9.22	14.54	12.29	10.27	6.09	9.59	13.25	9.69	12.86	9.04	15.67
TOTALS	176.24	155.02	206.37	192.50	124.84	95.32	88.96	155.86	126.08	144.63	139.95	129.66
MONTHLY AVERAGE	14.69	12.92	17.19	16.04	10.40	7.94	7.41	12.99	10.51	12.05	11.66	10.81

* 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.c.m. of Batch
 "A" Lead Peroxide exposed under a louvered cover

MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE			CREWE GATES FARM		
	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962
Jan.	2.47	3.33	3.05	*	4.73	4.54	0.52	0.93	1.21	1.52	1.22	2.10	0.67	1.58	2.09
Feb.	2.87	2.76	3.65	3.54	2.89	3.65	1.27	1.00	0.90	0.87	1.78	1.43	1.73	1.44	1.31
March	2.75	1.05	3.42	3.39	2.14	4.81	2.19	1.56	1.76	1.36	0.71	2.05	1.75	0.85	2.28
April	1.87	2.26	1.87	2.18	3.19	3.27	0.64	1.17	0.92	0.95	1.41	1.15	1.12	1.32	1.38
May	1.57	1.46	1.34	1.76	2.13	2.00	0.77	0.78	0.63	0.62	1.05	0.92	0.87	0.93	1.12
June	1.18	1.01	1.19	1.22	1.14	1.37	0.52	0.52	0.48	0.39	0.47	0.63	0.39	0.83	0.96
July	0.59	0.92	0.78	0.42	1.25	0.95	0.17	0.41	0.38	0.07	0.49	0.41	0.59	0.85	0.58
Aug.	0.74	0.76	0.77	1.25	1.27	1.07	0.36	0.78	0.28	0.58	0.51	0.46	0.48	1.20	0.67
Sept.	1.83	1.50	1.52	2.22	1.93	1.94	0.82	0.53	0.64	0.98	0.68	0.80	0.84	0.77	1.09
Oct.	2.93	2.50	1.75	3.34	3.42	2.56	1.38	0.67	0.81	1.42	1.13	1.01	1.30	1.14	1.15
Nov.	3.29	2.93	2.72	4.15	4.14	3.84	1.12	1.22	1.34	1.99	1.85	1.66	1.33	1.67	1.58
Dec.	3.16	3.69	3.07	4.57	3.39	4.10	1.58	2.15	1.60	2.52	2.23	1.11	1.86	2.27	2.12
TOTAL	25.25	24.17	25.13	28.04	31.62	34.10	11.34	11.72	10.95	13.27	13.53	13.73	12.93	14.85	16.33
MONTHLY AVERAGE	2.10	2.01	2.09	2.55	2.63	2.84	0.94	0.98	0.91	1.11	1.13	1.14	1.08	1.24	1.36

* No result obtained owing to damage to equipment.

ATMOSPHERIC POLLUTION

Monthly Rainfall in Inches

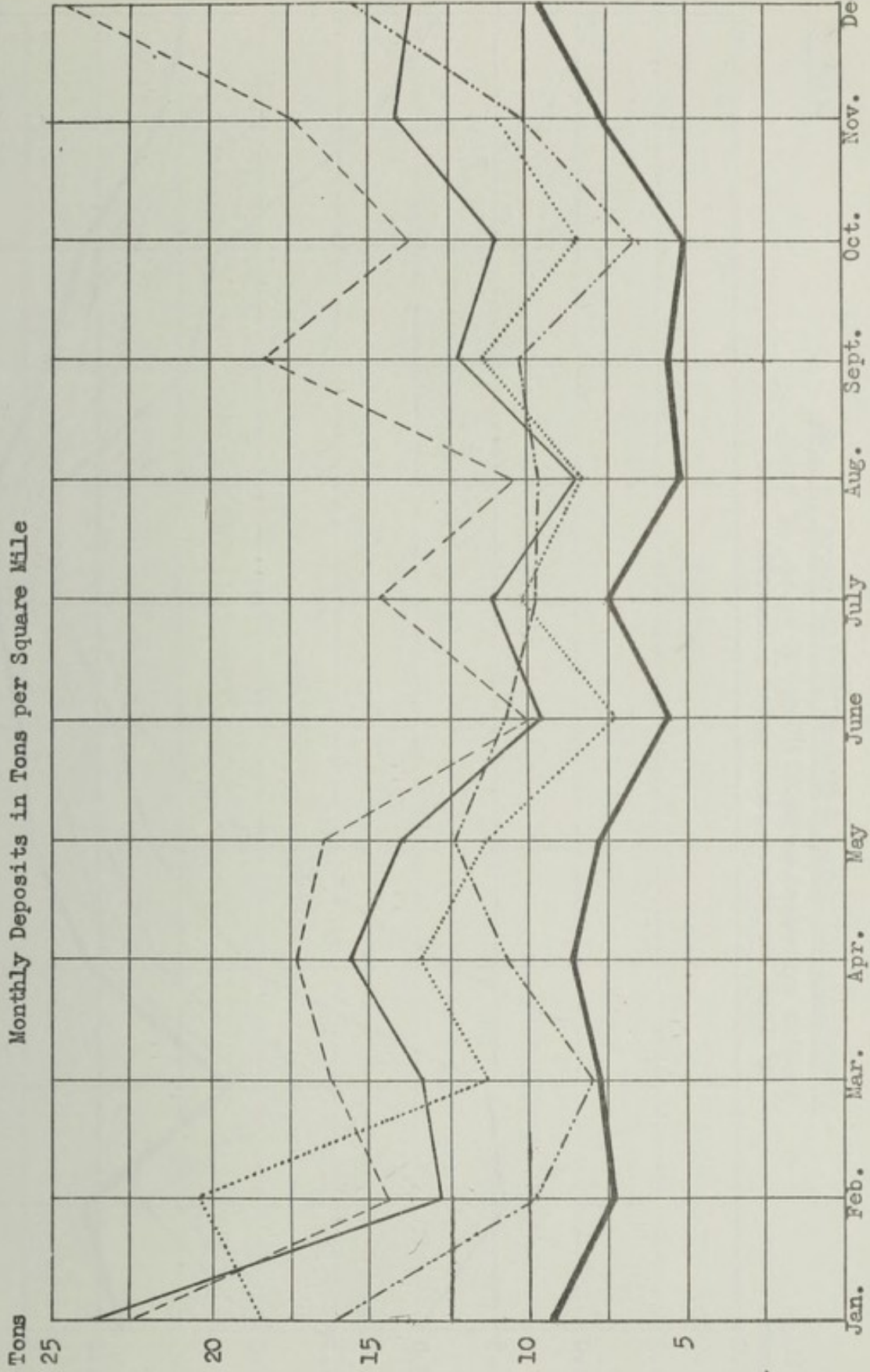
MONTH	ASHBANK CO-OP STORES			IMPERIAL CHAMBERS			SEWAGE WORKS			ELM DRIVE			CREWE GATES FARM		
	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962
Jan.	4.20	3.44	2.13	4.28	3.48	2.14	4.50	3.57	2.22	4.27	3.71	2.33	3.93	3.38	1.98
Feb.	1.96	2.29	1.12	1.89	2.28	1.27	1.96	2.41	1.32	2.05	2.39	1.43	1.81	2.15	1.28
Mar.	1.05	0.55	0.90	1.03	0.55	0.91	1.16	0.54	0.96	1.04	0.72	1.04	1.03	0.59	0.97
April	1.28	3.43	2.59	1.13	3.37	2.57	1.26	3.46	2.61	1.34	3.70	2.76	1.15	3.37	2.53
May	1.24	0.85	2.38	1.19	0.75	2.44	1.44	0.85	2.45	1.57	0.86	2.58	1.30	0.72	2.68
June	2.59	1.46	1.10	2.26	1.25	1.15	2.71	1.32	1.04	2.63	1.62	1.18	2.52	1.34	1.19
July	3.52	3.74	2.42	3.57	3.65	2.46	4.45	4.07	2.43	3.97	3.37	2.88	3.70	3.23	2.47
Aug.	3.74	3.76	3.02	3.87	3.81	2.99	3.88	3.72	3.00	4.09	3.86	3.35	3.94	3.54	3.20
Sept.	3.34	2.95	2.47	3.53	2.91	2.52	3.53	2.90	2.47	3.74	3.20	2.93	3.74	3.00	2.63
Oct.	3.96	2.92	1.22	3.90	0.93	1.14	3.95	3.08	1.19	4.22	2.97	1.34	3.77	2.95	1.04
Nov.	4.21	1.25	1.69	3.64	1.39	1.69	4.16	1.42	1.81	3.77	1.29	1.93	3.52	1.31	1.47
Dec.	2.38	2.13	2.20	2.42	2.05	2.19	2.40	2.25	2.16	2.33	1.58	*	2.35	2.20	1.93
TOTAL	33.47	28.77	23.24	32.71	26.42	23.47	35.40	29.49	23.66	35.02	29.27	23.75	32.76	27.78	23.37
MONTHLY AVERAGE	2.79	2.39	1.94	2.73	2.20	1.95	2.95	2.46	1.97	2.92	2.44	2.16	2.73	2.31	1.95

* No result obtained owing to damage to equipment.

ATMOSPHERIC POLLUTION - SMOKE DEPOSITED MATTER 1962

GRAPH I

Monthly Deposits in Tons per Square Mile



KEY:

— Ashbank Stores

- - - Imperial Chambers

— Sewage Works

..... Elm Drive

- . - . - Crewe Gates Farm

GRAPH II

ATMOSPHERIC POLLUTION - SULPHUR DIOXIDE DEPOSITS 1962

Results expressed as Mg.SO₃/Day/100 sq.cm. of Batch 'A' Lead Peroxide exposed under a louvered cover.

