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ANNUAL REPORT

on the

HEALTH OF WORTHING

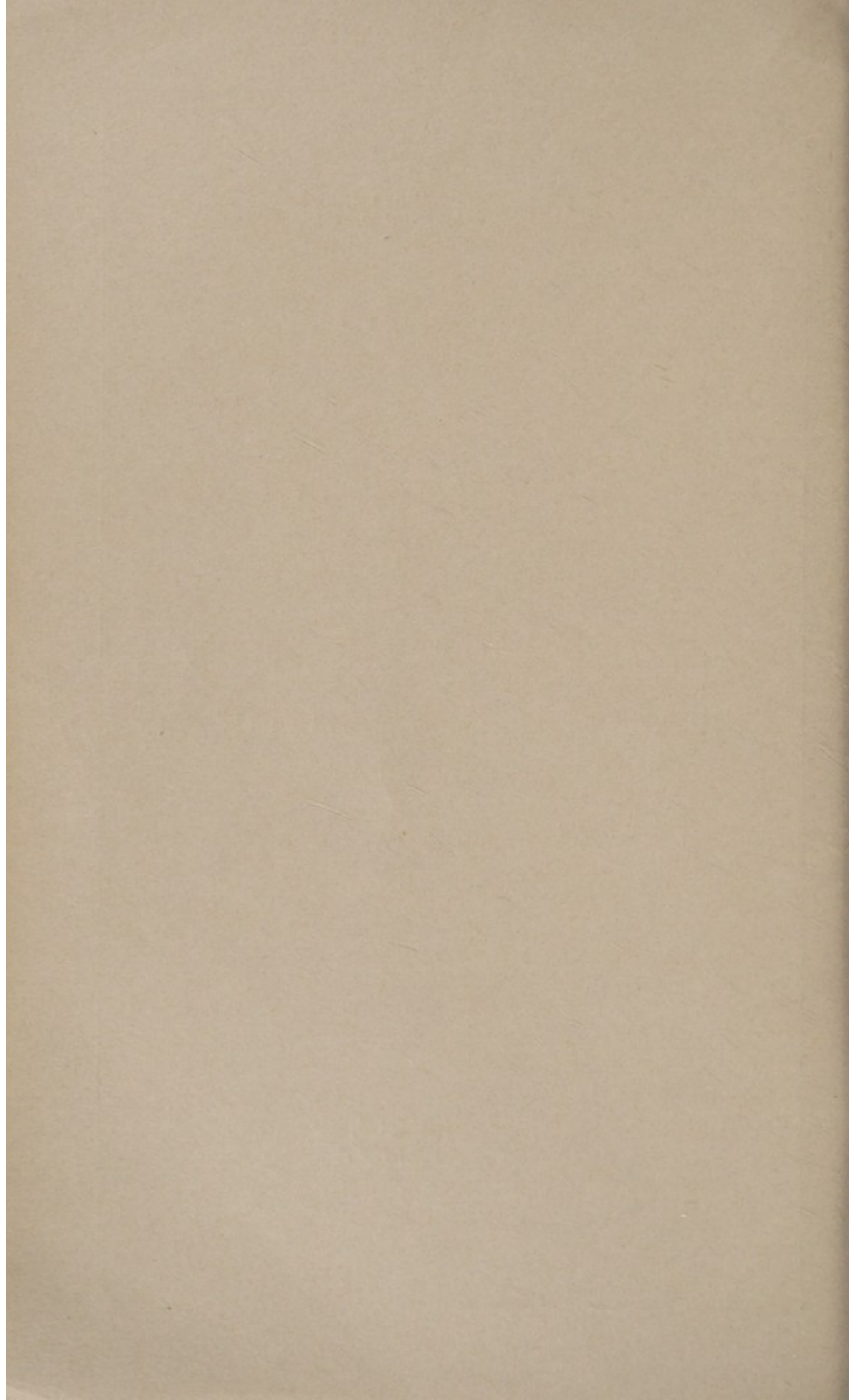
and

**Meteorological Observations
for the Year**

1956



G. H. PRINGLE,
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health



Borough of Worthing



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HEALTH OF WORTHING
and
Meteorological Observations
for the Year
1956

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HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

August, 1957.

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

MR. MAYOR, LADIES AND GENTLEMEN,

I present herewith my tenth Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

Statistics :

As far as can be judged from a study of the vital statistics the general health of the town was satisfactory during the year. The Infantile Mortality Rate of 32.3 per 1,000 is the highest for some years and is higher than that for England and Wales as a whole; but it must be remembered that with a comparatively small population, wide variations in statistics are often of little significance.

Infectious Diseases :

The year was a good one as regards infectious diseases. For the ninth year in succession there were no cases of diphtheria, and there were only five cases of acute poliomyelitis. There were only 12 cases of measles notified, although in this respect it must be pointed out that this disease tends to reach epidemic proportions every two years, and 1956 was not a "measles year."

The year was an important one in the history of infectious disease prevention, as a beginning was made in the use of a vaccine against poliomyelitis. Details of this are given in the body of the report.

The report of the Chief Public Health Inspector indicates in some detail the work carried out under the Food Hygiene Regulations, which constitute an important step towards cleaner food handling. The report also sets out the procedures adopted during the year as regards Slum Clearance in the Borough; the initial scheme involved 88 houses.

At the end of the report there is a short summary of the work carried out in the Borough under the National Health Service Act, 1946, Part 3 Services.

I should like to express my appreciation of the helpful support and the interest taken in all the Health Services of the Borough by the Chairman and Members of the Health Committee and by other Members of the Council.

I also wish to record my sincere thanks to Dr. Aitken, my Deputy, to Mr. White and the District Inspectors and to every member of the staff for all their assistance and co-operation.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1956)

Chairman : COUNCILLOR MRS. M. F. CALE

Vice-Chairman : COUNCILLOR A. J. BARRETT

ALDERMAN T. A. CLIFFORD	COUNCILLOR C. H. DUDENEY
ALDERMAN F. J. NASH, F.S.A.A.	COUNCILLOR R. S. JARVIS
COUNCILLOR MRS. E. D. BIRCH	COUNCILLOR MRS. M. I. KEELE
COUNCILLOR C. W. W. COOPER	COUNCILLOR MRS. H. M. PERYER
COUNCILLOR MRS. D. STAPLETON SKINNER, B.A.	

HEALTH DEPARTMENT STAFF :

(as at 31.12.56)

Medical Officer of Health

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Public Health Inspector	...	...	S. S. WHITE, M.A.P.H.I., A.M.I.P.H.E.
Deputy Chief Public Health Inspector	...	H. F. JOWETT, M.A.P.H.I.	
District Public Health Inspectors :	...	M. BLAKE	
		P. E. CHATTELLE, M.A.P.H.I.	
		G. T. PARSONS, M.A.P.H.I.	
Clerical Staff :			
Chief Clerk :	...	...	T. L. CANTON
Clerks :	...	...	MISS P. MOAKES
			MRS. H. M. J. BUTLER
			MRS. P. M. LOWE
			MISS F. TAYLOR
Meteorological Observers :	...	...	T. L. CANTON
			M. BLAKE
Other Staff :			
Rodent Operators :	...	...	F. J. MARIGOLD
			J. H. OGLESBY
Disinfectors and General Assistant :	...	F. A. McLOUGHLIN	

GENERAL STATISTICS, 1956

Area of Municipal Borough, including foreshore ..	8512.742 acres
Population (Census 1921)	31,520
Population (Census 1931)	46,230
Population (Census 1951)	69,431
Registrar-General's Estimate of Resident Population (1956) ..	71,580
Number of inhabited houses (1921)	7,710
Number of inhabited houses (1956)	25,771
Rateable Value (1956)	£1,806,930
Sum represented by a penny rate, 1956	£7,529

BIRTH RATE. 9.8 per 1,000 population. Birth-rate after correction by the factor received from the Registrar-General, 12.0 per 1,000. (Number of births, 701).
England and Wales, 15.7 per 1,000.

DEATH RATES (all causes). 20.6 per 1,000 population. Death rate after correction by the factor received from the Registrar-General, 11.1 per 1,000. (Number of deaths, 1,474).

England and Wales, 11.7 per 1,000.

Infant rate, 32.3 per 1,000 live births. (Number of deaths, 22).

England and Wales, 23.8 per 1,000 live births.

Maternal rate, 1.43 per 1,000 live births.

England and Wales, 0.56 per 1,000 births.

Tuberculosis rate, 0.08 per 1,000 population. (Number of deaths, 6).

England and Wales, 0.12 per 1,000 population.

MEAN ANNUAL TEMPERATURE (1956) 49.6 degrees Fahr.

HOURS OF BRIGHT SUNSHINE (1956), 1,726.7 hours; daily average, 4.72 hours; Summer, 6.21 hours; Winter, 3.22 hours.

TOTAL RAINFALL (1956) 24.08 inches

VITAL STATISTICS

The Registrar-General's estimate of the mid-year population of Worthing was 71,580, as compared with 69,840 in 1955, and this estimate has been adopted for the purposes of the statistics contained in this Report.

BIRTHS

The number of registered births (live and still) was 701, namely:—

		<i>Total</i>	<i>Male</i>	<i>Female</i>
Live Births—Legitimate	..	642	336	306
Illegitimate	..	38	22	16
Still Births—Legitimate	..	18	8	10
Illegitimate	..	3	2	1

The Registrar-General provides a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The birth-rate of Worthing for 1956 adjusted in this manner is raised from 9.8 to 12.0 per 1,000 of the population. The birth-rate for England and Wales is 15.7 per 1,000.

Birth-rate per 1,000 population:—

Live Births	..	..	..	..	9.5
Still Births	..	..	..	..	0.29

Birth-rate per 1,000 population after applying

“Area Comparability Factor”:—

Live Births	..	..	..	..	12.6
Still Births	..	..	..	..	0.38

Birth-rate (Live and Still) per 1,000 population 9.8

Birth rate (Live and Still) per 1,000 population
after applying “Area Comparability Factor” 12.0

Still Birth-rate per 1,000 (Live and Still) births 30.0

Illegitimate births numbered 41, or 5.85 per cent. of the total births.

STILL - BIRTHS

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1953.

During 1956 there were 21 still-births registered to Worthing residents representing a still-birth rate of 30.0 per 1,000 births (live and still) registered. Of the 21 still-births three were registered as illegitimate.

DEATHS

The number of deaths registered in the Borough during 1956 was 1,472. Of these 213 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 215 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,474 (males 628, females 846). This gives a recorded death-rate of 20.6 compared with 11.7 for England and Wales. This recorded death-rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death-rate multiplied by this figure can then be compared with the death-rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 11.1 per 1,000 population.

INFANT MORTALITY

During 1956 the deaths of 22 infants under one year of age were registered. The total number of live births registered during the year was 680, giving an infantile mortality rate of 32.3 per 1,000 live births.

The infantile mortality rate for England and Wales in 1956 was 23.8.

There were 13 deaths of infants during the first four weeks of life (or 59.1 per cent. of the total infant deaths) as compared with 12 deaths (or 92.3 per cent.) in 1955.

The causes of the 22 infant deaths are shown in detail on page 16.

MATERNAL MORTALITY

There was one maternal death during the year.

CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 245 (males 105, females 140) as compared with 228 in 1955, 235 in 1954, 224 in 1953, 203 in 1952 and 248 in 1951. The death-rate from the disease per 1,000 of the population was 3.42. The deaths from cancer constitute 16.4 per cent. of the total Worthing deaths during the year.

The following gives the comparative average death-rates from cancer in Worthing for quinquennial periods since 1910:—

1910-1914	..	..	1.32	1940-1944	..	..	3.11
1915-1919	..	..	2.01	1945-1949	..	..	3.06
1920-1924	..	..	1.94	1950-1954	..	..	3.43
1925-1929	..	..	2.29	1955	..	..	3.27
1930-1934	..	..	2.33	1956	..	..	3.42
1935-1939	..	..	2.53				

The following table shows the localisation of the disease in the case of the 245 deaths recorded.

Localisation				No. of deaths		
				Male	Female	Total
Stomach	..	..	..	16	7	23
Lungs	..	..	..	22	12	34
Breast	..	..	..	—	30	30
Uterus	..	..	..	—	12	12
Other and unspecified organs	..			67	79	146
Total	..			105	140	245

The mortality from cancer during the last 20 years is shown as follows:

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1937 ..	51	87	138	2.35
1938 ..	64	87	151	2.56
1939 ..	57	106	163	2.66
1940 ..	82	104	186	2.73
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47
1951 ..	104	144	248	3.64
1952 ..	87	116	203	3.01
1953 ..	92	132	224	3.16
1954 ..	97	138	235	3.43
1955 ..	100	128	228	3.27
1956 ..	105	140	245	3.42

This death rate is considerably higher than that for the country as a whole, and to a great extent this is accounted for by the high proportion of aged persons resident in the Borough. The rate for England and Wales in 1956 was 2.07 per 1,000 population.

INFLUENZA AND PNEUMONIA MORTALITY

There were 68 deaths from these diseases as against 48 in 1955, 46 in 1954, 74 in 1953, 46 in 1952 and 69 in 1951. The mortality rate per 1,000 of the population was 0.95, as compared with 0.69 in 1955, 0.67 in 1954, 1.09 in 1953, 0.68 in 1952 and 1.02 in 1951. The rate for England and Wales in 1956 was 0.58 per 1,000 population.

TUBERCULOSIS MORTALITY

Deaths from tuberculosis numbered 6, of which 5 were due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.08 per 1,000 population, compared with 0.13 in 1955, 0.19 in 1954, 0.04 in 1953, 0.31 in 1952 and 0.26 in 1951.

The rate for England and Wales in 1956 was 0.12 per 1,000 population.

DEATHS FROM HEART DISEASE

Of the 1,474 deaths, heart disease caused roughly 1 in every 3 (males 248, females 308). It represented 37.7 per cent. of the total deaths from all causes and was equivalent to a death rate of 7.77 per 1,000 of the population.

40 YEARS VITAL STATISTICS — TABLE 1

Year.	Births.		All causes.		Infants under 1 year.		Deaths.			Registrar General's Population					
	No.	R.*	All causes.		Infants under 1 year.		Deaths.								
			No.	R.*	No.	R.**	Sepsis.	Other Causes	Rate†		Tuberculosis	Cancer.			
1917	359	11.9	415	15.0	23	64	—	—	—	41	1.48	63	2.28	27,662	
18	419	12.9	511	17.7	32	76	—	—	—	38	1.32	73	2.53	28,780	
19	376	12.1	478	15.7	21	56	1	—	2.39	35	1.15	49	1.61	30,345	
20	583	18.5	434	13.7	23	39	—	—	—	29	0.92	50	1.58	31,555	
21	487	15.5	441	14.0	29	59	1	2	5.43	32	1.02	63	1.99	31,520	
22	404	12.8	472	15.0	21	52	1	—	1.95	35	1.11	59	1.87	31,460	
23	401	12.8	428	13.6	18	45	1	1	3.89	26	0.83	55	1.75	31,440	
24	426	13.3	537	16.6	21	49	—	1	2.35	32	0.99	81	2.51	32,260	
25	442	13.4	452	13.7	21	48	—	1	2.26	28	0.85	60	1.82	32,950	
26	423	12.1	536	15.3	17	40	—	1	2.36	30	0.85	90	2.56	35,060	
27	432	11.9	571	15.7	20	46	1	2	6.94	28	0.76	84	2.31	36,350	
28	462	12.2	548	14.4	17	37	1	1	4.33	26	0.68	87	2.29	38,030	
29	494	11.9	684	16.5	12	24	—	1	2.02	34	0.82	103	2.49	41,410	
30	534	12.6	640	15.1	18	36	—	2	3.75	37	0.87	104	2.46	42,340	
31	553	12.5	690	15.5	20	37	2	2	7.23	46	1.04	101	2.28	44,320	
32	513	11.0	781	16.8	20	39	4	3	13.64	39	0.84	101	2.17	46,470	
33	514	10.6	715	14.7	18	38	2	—	3.89	33	0.68	104	2.14	48,530	
34	615	11.9	756	14.6	12	20	—	1	1.63	34	0.66	133	2.58	51,580	
35	621	11.5	744	14.0	25	40	1	—	1.61	36	0.67	125	2.32	53,930	
36	687	12.4	870	15.6	23	35	—	3	4.36	25	0.45	153	2.75	55,540	
37	729	12.4	916	15.6	33	45	—	—	—	42	0.72	138	2.35	58,600	
38	712	10.8	917	15.5	20	29	—	1	—	31	0.52	151	2.56	59,080	
39	763	12.4	1035	16.9	18	23	1	1	1.40	26	0.34	163	2.66	61,210	
40	657	9.6	1165	17.6	32	49	—	2	2.60	48	0.70	186	2.73	66,350	
41	590	10.1	1044	18.7	22	36	—	1	1.80	39	0.70	161	2.88	55,710	
42	724	13.3	1116	20.5	25	35	1	1	2.80	23	0.42	189	3.47	54,500	
43	775	14.3	1073	20.4	24	32	—	3	3.90	33	0.63	169	3.22	52,500	
44	924	17.1	1037	19.2	40	44	—	2	2.10	23	0.42	177	3.27	54,080	
45	811	13.8	1173	20.0	31	39	—	1	1.20	32	0.54	204	3.48	58,620	
46	1059	16.3	1223	18.8	50	48	—	—	—	22	0.34	196	3.02	64,860	
47	1003	15.0	1251	18.7	31	32	—	—	—	26	0.38	200	3.00	66,750	
48	861	12.8	1103	16.3	20	24	—	—	—	23	0.34	183	2.71	67,520	
49	818	12.0	1209	17.8	16	20	—	1	1.20	18	0.26	213	3.10	67,940	
50	714	10.4	1336	19.5	22	31	—	1	1.40	25	0.37	237	3.47	68,350	
51	699	10.3	1375	20.2	17	25	—	—	—	18	0.26	248	3.64	68,060	
52	658	9.7	1235	18.3	11	17	—	2	2.04	21	0.31	203	3.01	67,530	
53	613	9.0	1308	19.3	16	27	—	1	1.63	3	0.04	224	3.16	67,770	
54	659	9.6	1299	19.0	19	30	—	—	—	13	0.19	235	3.43	68,510	
55	671	9.6	1269	18.2	13	20	—	—	—	9	0.13	228	3.27	69,840	
56	701	9.8	1474	20.6	22	32	—	1	1.43	6	0.08	245	3.42	71,580	

* Per 1,000 Population. (unadjusted) ** Per 1,000 Live Births. † Per 1,000 Total (Live & Still) Births.

TABLE II

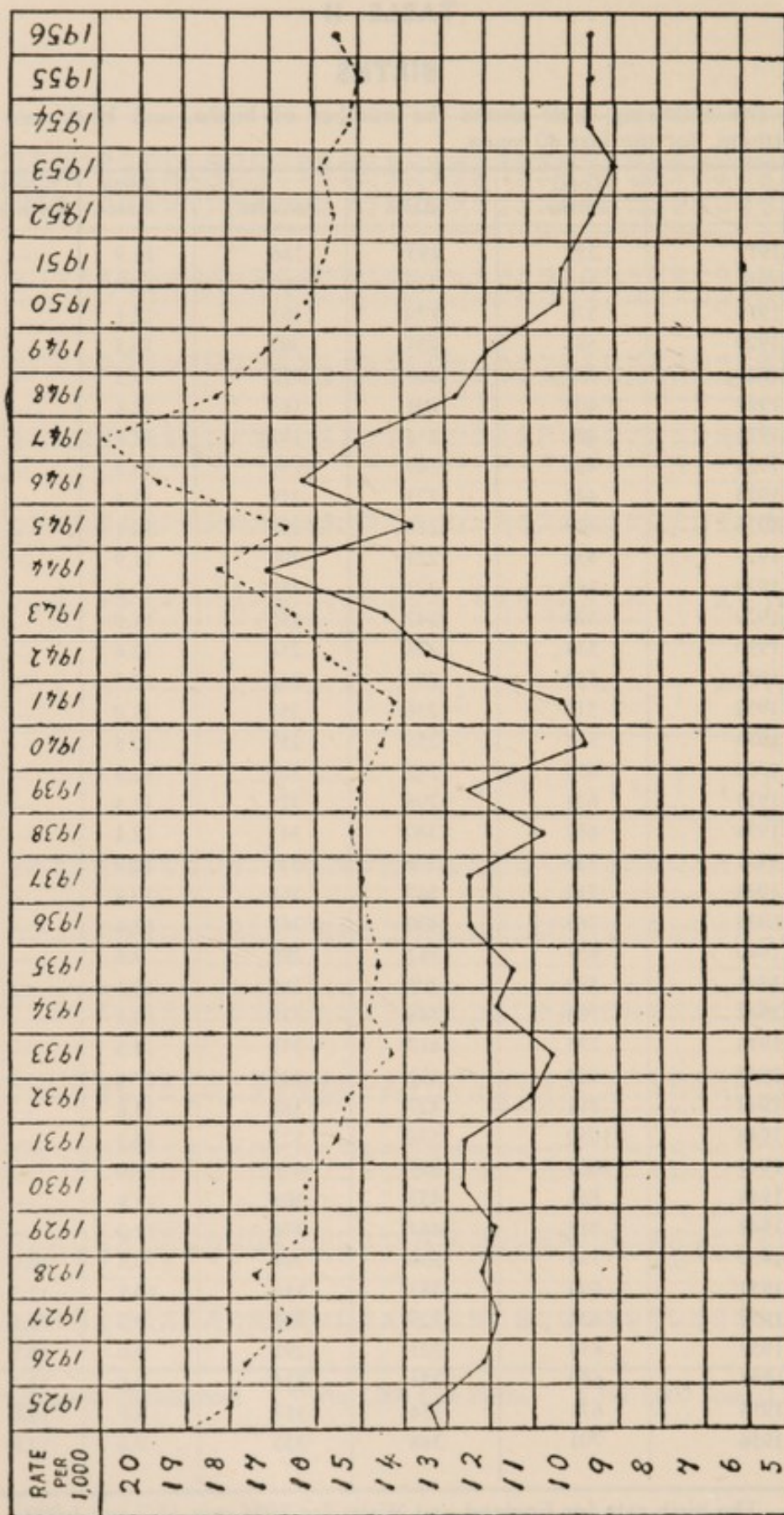
BIRTHS

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

	Total Births	Males	Females	Birth Rate	Adjusted Birth Rate
1917 ..	359	193	166	11.9	—
1918 ..	419	219	200	12.9	—
1919 ..	376	179	197	12.1	—
1920 ..	583	281	302	18.5	—
1921 ..	487	265	222	15.5	—
1922 ..	404	221	183	12.8	—
1923 ..	401	214	187	12.8	—
1924 ..	426	249	177	13.3	—
1925 ..	442	223	219	13.4	—
1926 ..	423	218	205	12.1	—
1927 ..	432	223	209	11.9	—
1928 ..	462	223	239	12.2	—
1929 ..	494	242	252	11.9	—
1930 ..	534	278	256	12.6	—
1931 ..	553	299	254	12.5	—
1932 ..	513	256	257	11.0	—
1933 ..	514	255	259	10.6	—
1934 ..	615	292	323	11.9	—
1935 ..	621	296	325	11.5	—
1936 ..	687	340	347	12.4	—
1937 ..	729	378	351	12.4	—
1938 ..	712	347	365	10.8	—
1939 ..	763	400	363	12.4	—
1940 ..	657	362	295	9.6	—
1941 ..	590	305	285	10.1	—
1942 ..	724	346	378	13.3	—
1943 ..	775	417	358	14.3	—
1944 ..	924	491	433	17.1	—
1945 ..	811	427	384	13.8	—
1946 ..	1059	536	523	16.3	—
1947 ..	1003	527	476	15.0	—
1948 ..	861	453	408	12.8	—
1949 ..	818	444	374	12.0	—
1950 ..	714	350	364	10.4	12.4
1951 ..	699	383	316	10.3	12.2
1952 ..	658	328	330	9.7	11.5
1953 ..	613	321	292	9.0	10.7
1954 ..	659	324	335	9.6	12.8
1955 ..	671	354	317	9.6	12.8
1956 ..	701	368	333	9.8	12.0

The birth rate for England and Wales for 1956 was 15.7 per 1,000.

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

DEATHS

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1,474, 628 males and 846 females, giving a crude death rate of 20.6 per 1,000 population.

The corrected death rate after adjustment is 11.1.

			Crude Death Rate	Adjusted Death Rate
1939	..	..	16.9	11.0
1940	..	..	17.6	11.1
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	"
1943	..	..	20.4	"
1944	..	..	19.2	"
1945	..	..	20.0	"
1946	..	..	18.8	"
1947	..	..	18.7	"
1948	..	..	16.3	"
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9
1951	..	..	20.2	11.1
1952	..	..	18.3	10.1
1953	..	..	19.3	10.6
1954	..	..	19.0	9.7
1955	..	..	18.2	9.3
1956	..	..	20.6	11.1

The death rate for England and Wales was 11.7

TABLE III.
CAUSES OF DEATH — 1956

All Causes	Males 628	Females 846
Tuberculosis, Respiratory	5	—
Tuberculosis, other	1	—
Syphilitic Disease	2	—
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	—	—
Measles	—	—
Other infective and parasitic diseases	1	1
Malignant neoplasm, stomach	16	7
Malignant neoplasm, Lung, Bronchus	22	12
Malignant neoplasm, Breast	—	30
Malignant neoplasm, Uterus	—	12
Other malignant and lymphatic neoplasms	67	79
Leukaemia aleukaemia	3	4
Diabetes	3	2
Vascular lesions of Nervous System	91	159
Coronary disease, Angina	139	103
Hypertension with heart disease	13	17
Other heart disease	96	188
Other circulatory disease	20	24
Influenza	3	11
Pneumonia	29	25
Bronchitis	33	21
Other diseases of respiratory system	9	12
Ulcer of stomach and duodenum	14	4
Gastritis, enteritis and diarrhoea	5	5
Nephritis and nephrosis	2	7
Hyperplasia of prostate	10	—
Pregnancy, childbirth, abortion	—	1
Congenital malformations	3	6
Other defined and ill-defined diseases	30	89
Motor vehicle accidents	2	2
All other accidents	5	18
Suicide	3	7
Homicide and operations of war	1	—

The principal causes of death during the year were:—

Heart Diseases	556
Cancer	245
Intra-cranial vascular lesions	250
Bronchitis	54
Pneumonia	54

DEATHS, AGE GROUPS — 1956

Age	Deaths	Age	Deaths
Under 1 year	22	35 to 44 years	19
1 to 2 years	1	45 to 54 "	51
3 to 4 "	1	55 to 59 "	67
5 to 9 "	2	60 to 64 "	71
10 to 14 "	2	65 to 69 "	160
15 to 19 "	—	70 to 79 "	489
20 to 24 "	1	80 to 89 "	472
25 to 34 "	7	90 years and over	108
		Age unknown	1
Total number of deaths ... 1,474			

This analysis shows that 72.5 per cent. of the deaths were of persons aged 70 years of age and upwards

The number of deaths occurring in the four quarters of the year was as follows:—

	Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	487	14.7	15.4
Second Quarter	342	10.3	10.9
Third Quarter	286	8.6	9.3
Fourth Quarter	359	10.8	11.3
	1474	11.1	11.7

TABLE. IV
BIRTH RATES, DEATH RATES,
AND INFANTILE MORTALITY RATES, 1936 — 1956

Years	No. of births	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births
1936 ..	687	12.4	870	15.6	35
1937 ..	729	12.4	916	15.6	45
1938 ..	712	10.8	917	15.5	29
1939 ..	763	12.4	1035	16.9	23
1940 ..	657	9.6	1165	17.6	49
1941 ..	590	10.1	1044	18.7	36
1942 ..	724	13.3	1116	20.5	35
1943 ..	775	14.3	1073	20.4	32
1944 ..	924	17.1	1037	19.2	44
1945 ..	811	13.8	1173	20.0	39
1946 ..	1059	16.3	1223	18.8	48
1947 ..	1003	15.0	1251	18.7	31.9
1948 ..	861	12.8	1103	16.3	23.8
1949 ..	818	12.0	1209	17.8	19.5
1950 ..	714	10.4	1336	19.5	30.8
1951 ..	699	10.3	1375	20.2	24.6
1952 ..	658	9.7	1235	18.3	16.7
1953 ..	613	9.0	1308	19.3	26.6
1954 ..	659	9.6	1299	19.0	29.6
1955 ..	671	9.6	1269	18.2	19.8
1956 ..	701	9.8	1474	20.6	32.3

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. There has been no "natural increase of the population" (*i.e.* excess of births over deaths) since the year 1921.

TABLE V
INFANTILE MORTALITY

The number of deaths under one year of age was 22 (14 males and 8 females), giving an infant mortality rate of 32.3 per 1,000 live births. The corresponding rate for England and Wales for the year under review was 23.8.

Year	No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1932	20	39	2.5	65
1933	18	38	2.5	64
1934	12	20	1.6	59
1935	25	40	3.4	57
1936	23	35	2.6	59
1937	33	45	3.6	58
1938	20	29	2.2	53
1939	18	23	1.7	50
1940	32	49	2.7	55
1941	22	36	2.1	59
1942	25	35	2.2	49
1943	24	32	2.2	49
1944	40	44	3.8	46
1945	31	39	2.5	46
1946	50	48	4.2	43
1947	31	31.9	2.4	41
1948	20	23.8	1.8	34
1949	16	19.5	1.3	32
1950	22	30.8	1.6	30
1951	17	24.6	1.3	30
1952	11	16.7	0.9	28
1953	16	26.6	1.2	27
1954	19	29.6	1.5	26
1955	13	19.8	1.0	25
1956	22	32.3	1.5	24

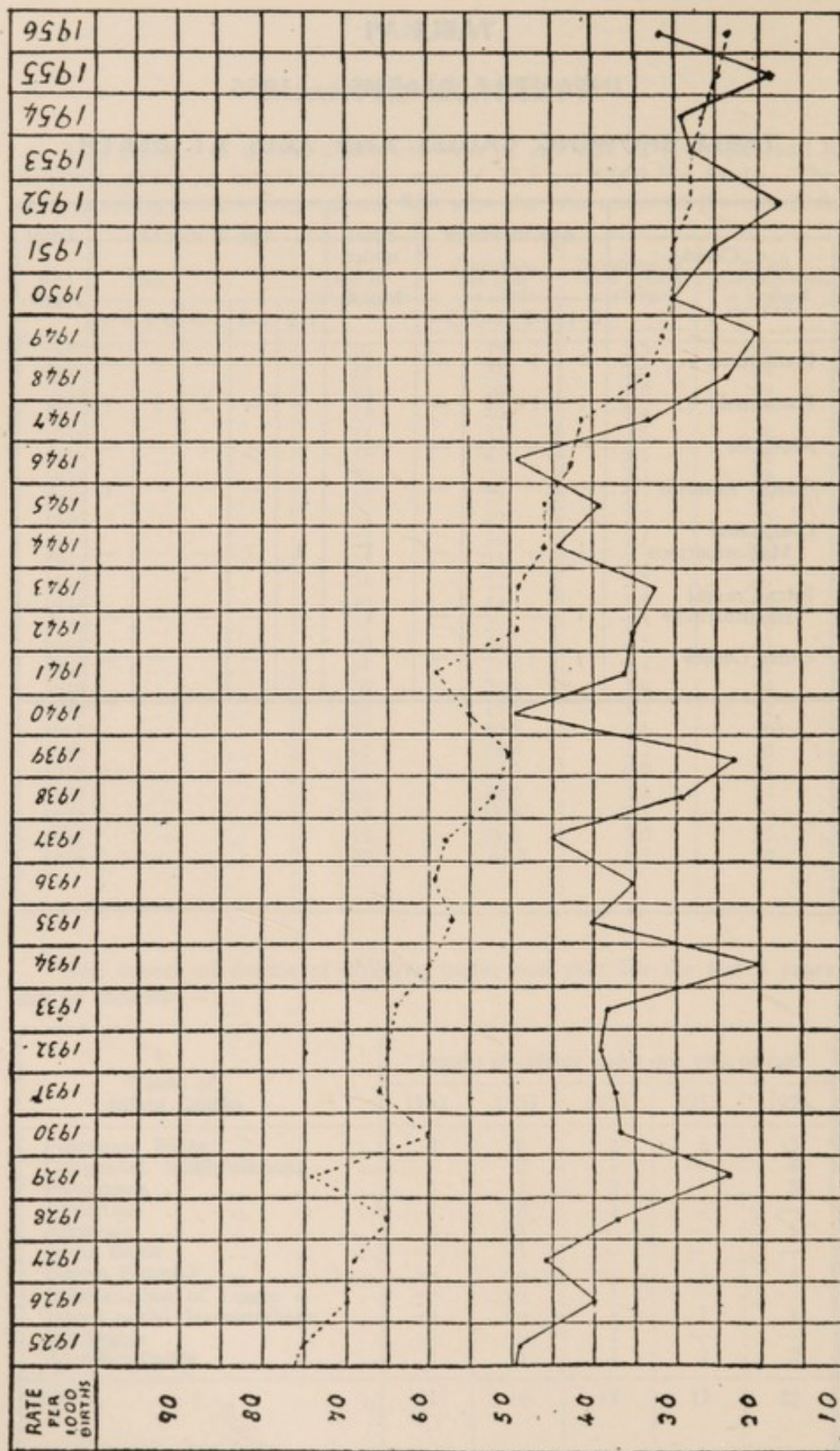
The causes of deaths of children under one year for the last 5 years are as follows:—

Cause of Infant Deaths	Deaths of infants under one year of age.				
	1952	1953	1954	1955	1956
Premature Births	4	6	8	6	5
Congenital Malformations ..	1	2	1	—	4
Pneumonia	3	3	2	1	8
Atelectasis	1	2	3	2	—
Asphyxia	1	1	—	—	1
Spina Bifida	—	1	—	—	—
Gastro Enteritis	—	—	—	1	1
Inflammation of Lungs ..	—	—	1	—	—
Intra-Cranial Haemorrhage ..	—	—	1	1	1
Meningitis	—	—	2	—	—
All other causes	1	1	1	2	2
TOTALS	11	16	19	13	22

TABLE VI
INFANTILE DEATHS — 1956
TABLE SHOWING CAUSES AND AGES AT DEATH

Cause	Age in weeks				Total under 1 Month	Age in months					Total (All Ages)
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	4	1	—	—	5	—	—	—	—	—	5
Pneumonia	1	1	1	—	3	—	—	2	2	1	8
Asphyxia	—	—	—	—	—	—	—	1	—	—	1
Gastro Enteritis ..	—	—	—	—	—	—	—	—	—	1	1
Congenital Malformations ..	1	—	—	—	1	1	2	—	—	—	4
Intra-Cranial Haemorrhage ..	1	—	—	—	1	—	—	—	—	—	1
Other Causes ..	1	1	—	—	2	—	—	—	—	—	2

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December, 1956, was 74,555, all supplies being direct to the houses and no standpipes being used. The area supplied includes the Parishes of Clapham, Patching and Sompting, and in the entire area there are 73 houses (approximate population 200) without a piped water supply.

In addition, water was supplied to the Worthing Rural District Council, and re-distributed by that Authority to a population of 12,753.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 48" Borehole, Broadwater Pumping Station, received here on 11.12.56, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Metals	Absent
Colour	Nil	Turbidity	Nil
pH	7.3	Odour	Nil
Electric Conductivity	450	Free Carbon Dioxide	14
Chlorine present as Chloride	26	Total Solids	305
Hardness : Total 235—		Alkalinity as Calcium Carbonate	195
Carbonate 195 ; Non-carbonate 40		Nitrite Nitrogen	Absent
Nitrate Nitrogen	4.4	Oxygen Absorbed	0.10
Ammoniacal Nitrogen	0.000	Residual Chlorine	Absent
Albuminoid Nitrogen	0.000		

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not unduly so, contains no excess of salinity or mineral constituents in solution and it is of the highest standard of organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

19th December, 1956.

(Signed) GORDON MILES, B.SC., F.R.I.C.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 30" Borehole Pump, Patching Pumping Station, received here on 11.1.56, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Bright with a few mineral particles	Albuminoid Nitrogen	0.000
Colour	Nil	Metals	Absent
pH	7.3	Turbidity	Nil
Electric Conductivity	425	Odour	Nil
Chlorine present as Chloride	20	Free Carbon Dioxide	15
Hardness: Total 230—		Total Solids	285
Carbonate 205; Non-carbonate, 25		Alkalinity as Calcium Carbonate	205
Nitrate Nitrogen	3.6	Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000	Oxygen Absorbed	0.20
		Residual Chlorine	Absent

This sample is practically clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not unduly so, contains no excess of salinity or mineral constituents in solution and it is of the highest standard of organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

(Signed) GORDON MILES, B.SC., F.R.I.C.

24th January, 1956.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Broadwater Pumping Station.

Lab. Ref. No. 202302.

Received 11.12.56.

Plate Count. 2 days at 37°C. per ml. 1.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 13.12.56.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 30" Borehole, Patching Pumping Station.

Lab. Ref. No. 71.

Received 10.1.56.

Plate Count. 2 days at 37°C. per ml. 4.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 12.1.56.

J. E. JAMESON,
Director.

SWIMMING BATHS

These were regularly inspected by the Medical Officer of Health and the Public Health Inspectors. Frequent examinations of the water were carried out and the results showed that a satisfactory standard of purity was maintained.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Notifiable Infectious Diseases

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

- Scarlet fever
- Whooping cough
- Diphtheria
- Measles
- Acute pneumonia (primary or influenzal)
- Meningococcal infection
- Acute poliomyelitis—
 - paralytic
 - non-paralytic
- Acute encephalitis—
 - infective
 - post-infectious
- Dysentery
- Ophthalmia neonatorum
- Puerperal pyrexia
- Smallpox
- Typhoid and Para-typhoid fevers
- Food poisoning
- Erysipelas
- Malaria
- Cholera
- Plague
- Typhus fever
- Relapsing fever
- Tuberculosis (all forms)

NOTIFIED INFECTIOUS DISEASES — 1956 (Corrected in Cases of Revised Diagnosis)

	Under 1 year	1	2	3	4	5-9	10-14	15-19	20-24	25-34	35-44	45-64	65 and over	Total	Admitted to Isolation Hospital
Scarlet Fever ...	—	—	—	2	1	16	—	—	2	2	—	—	—	23	14
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough ...	3	5	1	4	4	13	—	—	—	—	—	—	—	30	—
Measles ...	—	—	3	1	—	4	2	—	1	—	—	—	1	12	2
Pneumonia ...	—	—	—	—	2	1	1	2	—	—	2	12	11	31	—
Acute Poliomyelitis (Paralytic) ...	—	—	—	—	—	2	—	1	—	1	—	—	—	4	4
Acute Poliomyelitis (Non-Paralytic) ...	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1
Typhoid Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paratyphoid Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ...	—	—	—	2	—	4	1	1	2	2	1	—	—	13	10
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia ...	—	—	—	—	—	—	—	—	—	2	—	—	—	2	—
Meningococcal Infection	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	3	2	5	1
Food Poisoning ...	—	—	—	—	—	—	—	—	1	—	—	1	—	2	—
	3	5	4	9	7	40	4	4	6	8	3	16	14	123	32

DIPHTHERIA

For the ninth year in succession there were no cases of Diphtheria in the Borough.

Successful as the diphtheria immunisation scheme has been, it cannot be stressed too often that any complacency in this respect may well be disastrous. Immunisation before a child is 12 months old and a reinforcing injection at 5 years should be an absolute rule for all.

MEASLES

Notifications for the year numbered 12 compared with 555 during 1955, which was a "measles year"—the disease has a biennial incidence. No deaths occurred and only 2 cases needed hospital treatment.

SCARLET FEVER

The number of confirmed cases was 23, of which 14 were treated in hospital. There were no deaths, and in all cases admitted to hospital modern treatment modified the severity of the disease, shortened its duration and completely eliminated any complications.

ACUTE POLIOMYELITIS (Infantile Paralysis)

There were 5 confirmed cases during the year, 4 paralytic and one non-paralytic. All the cases were treated during the infectious phase at Swandean Hospital. Of the four paralytic cases one made a complete recovery, and the other three cases were transferred to orthopaedic hospitals for further treatment.

Vaccination against Poliomyelitis

Limited supplies of vaccine became available in the spring. Children born between 1947 and 1954 were registrable for vaccination, but the supply of vaccine was only sufficient to complete the two injections in 134 children.

DYSENTERY

There were 13 cases notified, 10 were treated in hospital and all made a complete recovery.

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

Swandean Hospital

Scarlet fever	14
Streptococcal sore throat	1
Measles	2
Chicken pox	3
Mumps	3
Erysipelas	1
Acute poliomyelitis (paralytic)	4
" " (non-paralytic)	1
Rubella	1
Erythema multiforme	1
Glandular fever	3
Dysentery	10
Gastro-enteritis	3
Acute coryza	1
Acute broncho-pneumonia	1
Herpes zoster	1
Observation cases	10
	—
	60
	—

Portsmouth Infectious Diseases Hospital

Meningo-myelitis	1
--------------------------	---

MASS RADIOGRAPHY

A Mass Radiography Unit of the South-West Metropolitan Regional Hospital Board, based at Worcester Park, Surrey, visited Worthing from 8th to 26th October. The Unit was sited at the Scouts' Headquarters, High Street, Worthing. Facilities were provided for the general public, industrial groups and children in their last year at school. This method ensured that a representative cross-section of the population was examined. Altogether, 9,777 persons were examined, compared with 6,505 when the last survey was made in October, 1952.

The following table shows details of the number of persons examined together with final results:—

	Males	Females	Total
Number of miniature X-ray photographs	3,985	5,792	9,777
Number of new cases of pulmonary tuberculosis detected	6	3	9

Miniatures were made up as follows:—

General Public	6,664
Industrial Groups	2,254
School Children	859

The 9 persons found by the survey to be suffering from active pulmonary tuberculosis represents an incidence of 0.9 per 1,000 examinees.

This compares with a national standard of 2.2 per 1,000 and the survey therefore indicates a low local incidence of pulmonary tuberculosis.

TUBERCULOSIS

37 cases of pulmonary tuberculosis were added to the Register during 1956:—

Pulmonary—Males ..	24	Non-Pulmonary—Males ..	—
Females ..	11	Females ..	2
	—		—
	35		2
	—		—

102 cases were removed from the Register, and 8 old cases were restored.

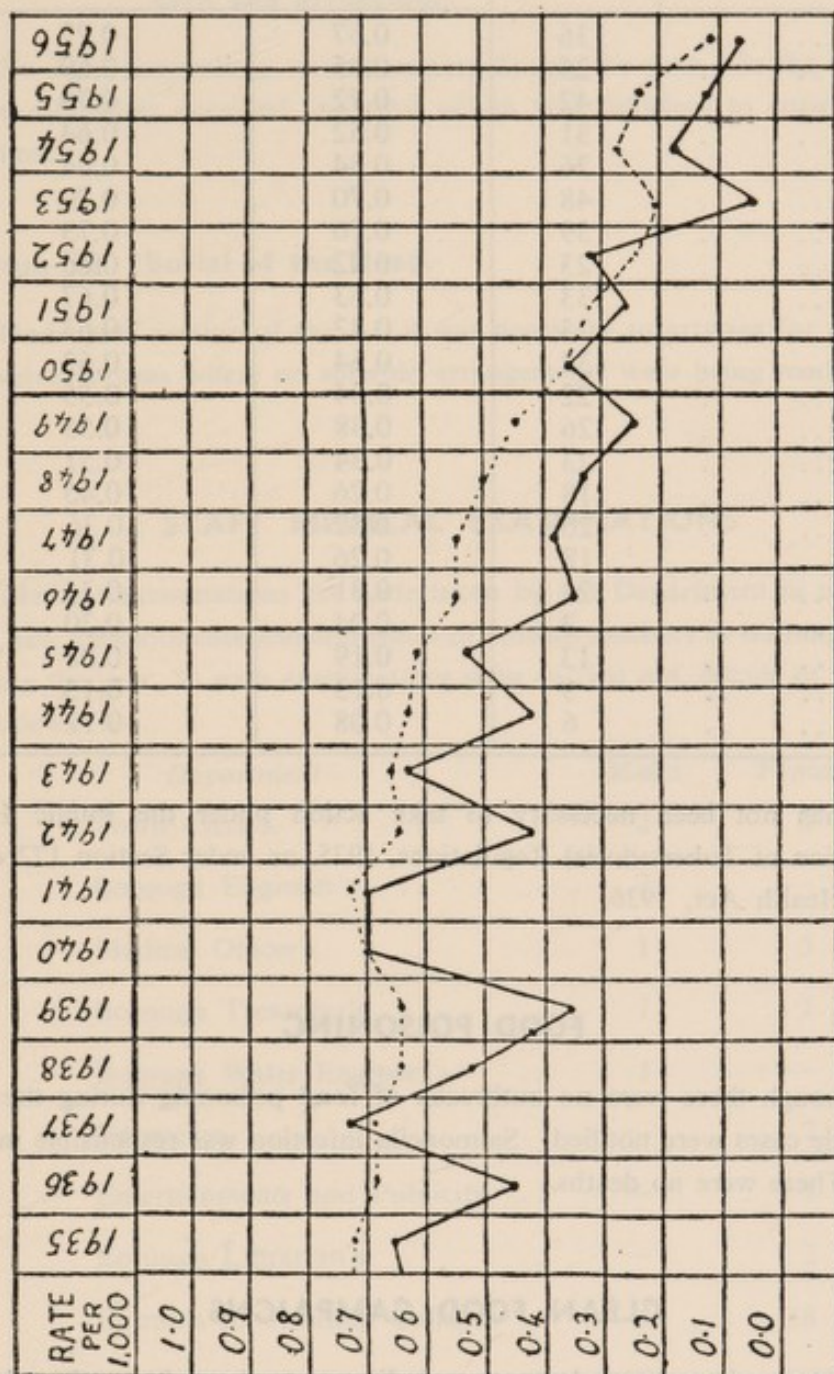
Tuberculosis Cases on the Register at 31st December, 1956 :—

	Males	Females	Total
Pulmonary	237	202	439
Non-pulmonary ..	39	48	87
Totals	276	250	526

Table showing new cases in 1956 and mortality

Age periods	New cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	—	—	—	—	—
1—4 years	—	—	—	—	—	—	—	—
5—14 „	—	1	—	1	—	—	—	—
15—24 „	1	3	—	—	—	—	—	—
25—34 „	5	2	—	1	1	—	—	—
35—44 „	5	2	—	—	2	—	—	—
45—54 „	7	1	—	—	—	—	—	—
55—64 „	2	1	—	—	1	—	—	—
65 years and over ..	4	1	—	—	1	—	—	—
Age unknown	—	—	—	—	—	—	1	—
TOTALS	24	11	—	2	5	—	1	—

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1935



(Dotted line represents Rate for England and Wales)

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36
1951	18	0.26	0.31
1952	21	0.31	0.24
1953	3	0.04	0.20
1954	13	0.19	0.28
1955	9	0.13	0.15
1956	6	0.08	0.12

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

FOOD POISONING

Although there were no outbreaks of food poisoning during the year, two single cases were notified. Salmonella infection was responsible in both cases. There were no deaths.

CLEAN FOOD CAMPAIGNS

As in previous years, lectures and discussions have been given by the Medical Officer of Health and the Chief Public Health Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

THE NATIONAL ASSISTANCE ACT, 1948, AND NATIONAL ASSISTANCE (Amendment) ACT, 1951

Section 47. Removal to suitable premises of persons in need of care and attention.

No legal proceedings were necessary during the year. In the few cases where difficulties occurred, informal action was sufficient to cope with the situation.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of twelve persons where no suitable arrangements were being made.

STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with new appointments and admission of student teachers to training colleges. During the year, 50 such examinations were carried out, details of which are as follows:—

<i>Department</i>	<i>Males</i>	<i>Females</i>
Town Clerk's	2	3
Borough Engineer's	7	—
Medical Officer's	1	5
Borough Treasurer's	1	1
Borough Water Engineer's ..	1	—
Education	—	2
Entertainments and Publicity ..	—	1
Borough Librarian's	—	2
Entrants to Training Colleges ..	6	18
	—	—
Total ..	18	32
	—	—

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1956 four such examinations were undertaken.

SANITARY INSPECTION OF THE BOROUGH

Report of Mr. S. S. White, Chief Public Health Inspector.

GENERAL INSPECTIONS

General inspections included the following:—

Houses	..	..	..	..	..	183
Factories	..	..	..	..	..	424
Bakehouses	..	..	..	..	..	47
Restaurant Kitchens, Canteens	..	..	..	..	..	337
Dairies	..	..	..	..	..	20
Ice Cream Premises	..	..	..	..	..	85
Food Premises	..	..	..	..	..	1213
Schools	..	..	..	..	..	42
Drainage	..	..	..	..	..	544
Smoke Observations	..	..	..	..	..	41
Shops Act	..	..	..	..	..	45
Pest Destruction	..	..	..	..	..	75
Merchandise Marks Act	..	..	..	..	..	17
Miscellaneous	..	..	..	..	..	699
Re-visits to supervise repairs, etc.	..	..	..	..	..	689

292 Public Health nuisances or contraventions were recorded and 259 were remedied before the end of the year.

SANITARY DEFECTS AND NUISANCES RECORDED

INCLUDED THE FOLLOWING :—

Houses :

Roofs defective	..	..	..	..	..	50
Rainwater conductors defective	..	..	..	..	..	22
Chimney stacks and external walls defective	..	..	..	..	..	26
Verminous	..	..	..	..	..	16
Wall plaster defective	..	..	..	..	..	35
Wall dampness	..	..	..	..	..	34
Cooking ranges, fireplaces defective	..	..	..	..	..	10
Window frames or cords defective	..	..	..	..	..	28
Floors, staircases defective	..	..	..	..	..	14
Insanitary yards	..	..	..	..	..	15
Vacant land insanitary	..	..	..	..	..	6

Drainage :

Requiring reconstruction	..	..	..	..	..	21
Defective condition	..	..	..	..	..	38
Choked	..	..	..	..	..	228
W.C.'s defective	..	..	..	..	..	33

COMPLAINTS

1,027 complaints were received and investigated. They are classified as follows:—

Housing, general defects	..	..	..	..	..	59
Dampness	..	..	..	..	..	50
Overcrowding	..	..	..	..	..	8
Insanitary premises	..	..	..	..	..	20
Smoke nuisances	..	..	..	..	..	19
Vacant land—insanitary	..	..	..	..	..	32
Gardens—insanitary	..	..	..	..	..	15
Animals improperly kept	..	..	..	..	..	12
Drains or sewers choked	..	..	..	..	..	104
Defective drainage systems	..	..	..	..	..	16
W.C.'s defective	..	..	..	..	..	23
Refuse bins	..	..	..	..	..	7
Smells	..	..	..	..	..	22
Vermin	..	..	..	..	..	12
Flies	..	..	..	..	..	8
Wasps	..	..	..	..	..	57
Cockroaches	..	..	..	..	..	33
Woodworm	..	..	..	..	..	8
Ants	..	..	..	..	..	7
Other insects	..	..	..	..	..	5
Rats	..	..	..	..	..	288
Mice	..	..	..	..	..	168
Rabbits	..	..	..	..	..	8
Pigeons	..	..	..	..	..	16
Miscellaneous	..	..	..	..	..	30

HOUSING

Slum Clearance

7 Clearance Areas were declared in April involving 77 houses, and 169 persons.

A further stage was reached in October when the Council converted these Areas into two Compulsory Purchase Orders and 3 Clearance Orders, namely,

COMPULSORY PURCHASE ORDERS:

Clifton Road Areas 1 and 2	..	..	42 properties
High Street	..	..	2 "

CLEARANCE ORDERS:

Broadwater Street East	..	..	10 properties
West Street	..	..	5 "
South Street, Tarring	..	..	3 "

Properties scheduled for clearance and purchased by the Corporation by agreement after the Clearance Areas were declared and also 11 houses owned by the Corporation were excluded from these Orders.

In addition, 12 individual houses, involving 33 persons, are included in the Scheme for Demolition or Closing Orders.

Total Scheme: 88 houses, 202 persons.

A supplementary Slum Clearance report involving 17 houses and 29 persons was under consideration at the end of the year.

One basement dwelling was closed as being unfit for human habitation.

Repairs were carried out at 96 houses.

In five instances the owners failed to execute works requested to make houses fit for human habitation and the repairs were carried out by the Corporation.

HOUSING REPAIRS & RENTS ACT, 1954

Two applications were received for Certificates of Disrepair but the condition of the property did not justify the issuing of certificates. Both applications were therefore refused.

PUBLIC HEALTH ACT, 1936 — CARAVANS

There is no licensed camping site within the Borough.

At the end of the year four caravans were controlled under licences granted for a period of twelve months or a shorter period.

PREVENTION OF DAMAGE BY PESTS RODENT CONTROL

No. of complaints—Rats	..	..	..	..	288
Mice	..	..	..	..	168
No. of visits by Rodent Operators	..	..	..	..	3,030
No. of visits to Agricultural Premises	..	..	..	..	824
No. of premises cleared from rodents	..	..	..	..	387
Amount of poison bait taken	..	..	..	..	696 lbs.

17 major infestations, 14 rats and 3 mice, were found and cleared.

Work carried out on payment:—

Agricultural premises—Rats	..	..	14
Mice	..	..	1
Other business premises—Rats	..	..	61
Mice	..	..	90

Total revenue, £168 3s. 9d.

No charge is made for the service of a Rodent Operator at private houses.

SEWER RATS. Two treatments of the sewers were carried out. 51 chambers were found to be rat infested during the Winter treatment and 139 during the Summer treatment. Approximately 4 cwt. of prebait or poison was laid.

842 chambers were baited, involving approximately 2,500 visits.

Exclusive of the foregoing, ten acres of land occupied by 26 persons for pig or poultry keeping, marine store or agricultural businesses found to be seriously rat infested were treated by the Department at a cost of £42 2s. 6d., to be recovered from the various occupiers. Over 2 cwt. of poison bait was taken.

OTHER PESTS

Advice was given in 142 cases as regards annoyance caused by wasps, beetles, flies, moles, ants, pigeons, rabbits and woodworm.

At 96 premises disinfestation treatment was carried out on payment, to destroy beetles (55), wasps' nests (37), and woodworm (4).

DISINFECTION AND DISINFESTATION

1,651 articles fumigated by steam disinfection included the following:—

Blankets	50
Sheets, eiderdowns, etc. .. .	25
Mattresses and feather beds .. .	944
Pillows, bolsters, cushions .. .	512
Quilts, etc. .. .	6
Carpets and rugs .. .	58
Miscellaneous .. .	56
Number of rooms disinfected .. .	64
Number of rooms disinfested .. .	240
Revenue received:—	
For disinfection .. .	£98 17s. 7d.
For disinfestation .. .	£85 16s. 9d.

INFECTIOUS DISEASE

251 visits were made in connection with cases of infectious disease or food poisoning notified to the Medical Officer of Health and for enquiries relating to source of illness, contacts, housing conditions and means of isolation.

FACTORIES ACTS, 1937 and 1948

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

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	28	43	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	246	451	17
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	23	40	1
TOTAL	297	534	18

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	7	9	—	—
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	1	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	1	1	—	—
Sanitary Conveniences (S.7)				
(a) insufficient	2	1	—	—
(b) unsuitable or defective	10	6	—	—
(c) not separate for sexes	1	—	—	—
Other offences against the Act (not including offences relating to Outwork)	19	9	7	6
TOTAL	40	27	7	6

OUTWORKERS. Local firms employ 52 persons at work in their own homes within the Borough and 13 residing elsewhere. 7 Outworkers are employed by firms outside the County.

FIRE ESCAPE. Six Certificates of Adequate Means of Escape in Case of Fire were granted during the year, making a total of 66 operative within the Borough.

SHOPS ACT, 1950—SEC. 38. Six Exemption Certificates were issued in respect of shops, four as regards sanitary accommodation and two in respect of washing facilities, making a total of 43 in operation in the Borough. Suitable alternative facilities are available where a Certificate is granted.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises were registered, and one licensed, pursuant to the requirements of the above Act.

Two samples of rag flock or other fillings were taken and analysed pursuant to the Act and Regulations. These were satisfactory.

OFFENSIVE TRADES

There is no offensive trade or business in the Borough.

NOTICES SERVED TO REMEDY DEFECTS OR ABATE NUISANCES OR CONTRAVENTIONS

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>
Public Health Act, 1936—		
Section 92 (defects and nuisances)	82	6
„ 39 (drainage and appliances)	31	3
„ 44-45-46 (water closets)	13	1
„ 75 (refuse bins)	26	
Smoke Abatement	8	2
Worthing Corporation Act	1	1
Housing Acts, 1936-54	61	12
Food and Drugs Act, 1938-50 (various)	6	7
Food Hygiene Regulations	373	
Milk and Dairies Regulations	5	
Prevention of Damage by Pests Act, 1949	55	26
Factories Acts, 1937-1948	14	
Shops Act, 1950 (health provisions)	9	
Merchandise Marks Act	3	
Slaughtering of Animals Act	1	
Meat Regulations	3	
Miscellaneous	2	
Total	693	58

Notices relating to insufficient or defective refuse bins

on reports by the Cleansing Superintendent .. 577

Requirements of notices complied with by the Corporation in default of the owner or occupier doing so were as follows:—Housing repairs 5, cleansing insanitary house 1, and rat destruction 26.

Sewers serving approximately 228 houses found to be in a defective or choked condition were repaired or cleansed by the Corporation.

4 houses were re-drained to main sewers and the cesspools abolished.

The drainage system was reconstructed, or partly so, at 19 premises.

FOOD EXAMINATION

1. Meat

There is one slaughterhouse in the Borough at which 9,868 animals (664 beasts, 1,377 calves, 1,832 sheep and 5,995 pigs) were slaughtered during the year.

563 visits were made to the slaughterhouse, involving late night and Sunday attendances, to ensure that every carcase was examined before the meat left the slaughterhouse.

Eight persons were licensed to slaughter animals under the Slaughter of Animals Act, 1933-1954.

All animals were slaughtered with the aid of mechanically operated humane instruments.

The Model Byelaws for Private Slaughterhouses 1956 have been adopted.

Approximately 4½ tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers.

Meat found to be diseased included:—

Entire Carcases:

Beasts	..	..	..	..	..	..	4
Calves	..	..	..	..	..	..	7
Sheep	..	..	..	..	..	..	5
Pigs	..	..	..	..	..	..	20

Offals:

		<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	..	19	—	—	62
Livers (or part)	..	221	3	39	386

Carcases and Offal inspected and condemned in whole or in part

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	456	208	1,377	1,832	5,995	—
Number inspected	456	208	1,377	1,832	5,995	—
<i>All diseases except Tuberculosis and Cysticerci:</i>						
Whole carcases condemned...	—	3	7	5	20	—
Carcases of which some part or organ was condemned ...	163	77	6	47	362	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	35.8	38.4	0.9	2.8	6.4	—
<i>Tuberculosis only:</i>						
Whole carcases condemned...	1	—	—	—	—	—
Carcases of which some part or organ was condemned ...	23	43	—	—	56	—
Percentage of the number inspected affected with tuber- culosis	5.3	20.7	—	—	0.9	—
<i>Cysticercosis:</i>						
Carcases of which some part or organ was condemned ...	—	—	—	—	—	—
Carcases submitted to treat- ment by refrigeration ...	1	1	—	—	—	—
Generalised and totally con- demned	—	—	—	—	—	—

2. Milk

534 samples were taken and the following is a synopsis of the kind of examination and the results:—

Examination for Bacterial Cleanliness.

<i>Designation</i>	<i>No. taken</i>	<i>Unsatisfactory</i>
Tuberculin Tested	82	9
Tuberculin Tested (Pasteurised)	72	5
Pasteurised	129	4

Graded Milk. The following annual licences were granted under the appropriate Regulations:—

To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk	22
To Pasteurise	2
To retail Pasteurised or Sterilised Milk	48
Supplementary, Sterilised Milk	1

Examination for M. Tuberculosis and Brucella Abortus. 181 supplies were examined. All were negative for M. Tuberculosis; 12 were positive for Brucella Abortus and 57 positive to the Brucella Ring test.

The following is a five year comparison table:—

	1952	1953	1954	1955	1956
No. of samples examined ..	155	178	189	161	181
M. Tuberculosis—Positive ..	2	2	4	1	—
Brucella Ring—Positive ..	74	64	47	47	57
Brucella Abortus—Positive ..	24	12	14	9	12
Brucella Melitensis—Positive ..	2	1	—	1	—
Result incomplete	7	4	10	21	13

Examination to detect adulteration or abstraction. 70 samples of milk were analysed, details of which are given on page 40.

SCHOOL MILK. Approximately 8,200 one-third pints of milk are supplied on each school day to schools within the Borough.

3. Ice Cream

4 premises are registered for the manufacture of ice cream and 7 premises are registered for the storage and sale of ice cream, mostly prepacked.

9 samples were taken and analysed for bacterial cleanliness and all proved to be satisfactory:—

Grade I ..	6	Grade II ..	3
------------	---	-------------	---

The requirements of the Heat Treatment Regulations are rigidly enforced, particularly as regards protecting ice cream from contamination by dust or unclean apparatus, etc., during its manufacture, storage or sale.

85 visits were made to ice cream premises, and manufacturers and retailers of loose ice cream were advised as regards the necessity for, and general use of, detergents and sterilizing agents for the cleansing of cabinets, apparatus and utensils.

4. Other Foods

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily, and the undermentioned were found to be diseased or unsound and were condemned as being unfit for human food.

					<i>Tins, Jars</i>	<i>Other</i>
Peas	..	..	..	..	229	
Baked Beans	..	..	..	..	64	
Spaghetti	..	..	..	..	103	
Potatoes	..	..	..	..		7 cwt.
Swedes	..	..	..	..		30 sacks
Carrots	..	..	..	..	8	29 sacks
Others	..	..	..	..	22	
Soup	..	..	..	..	28	
Sauces, Pickles	..	..	..	..	36	
Meat, fresh	..	..	..	..		1,103 lbs.
tinned	..	..	..	..	155	
ham, bacon	..	..	..	..	21	
Chickens, fresh	..	..	..	..		13
tinned	..	..	..	..	2	
Fish, wet	..	..	..	..		765 lbs.
tinned	..	..	..	..	46	
kippers	..	..	..	..		13 boxes
Fruit, tinned	..	..	..	..	353	
Bananas	..	..	..	..		18 cwt.
Grapes	..	..	..	..		2 barrels
Jam, etc.	..	..	..	..	17	
Tomatoes	..	..	..	..	208	
Milk, tinned	..	..	..	..	60	
Cheese (boxes)	..	..	..	..	11	
Custard powder	..	..	..	..	72	
Baking powder	..	..	..	..	9	
Eggs, frozen	..	..	..	..	17	
Biscuits	..	..	..	..		6 lbs.

FOOD HYGIENE

The approximate number of trade food premises is shown below:—

(i)	<i>Kind of Business</i>	<i>No.</i>	<i>Per 10,000 Pop.</i>
	Restaurants, cafes	110	15
	Grocers, dairy shops	170	23
	Butchers and fishmongers ..	79	11
	Fruiterers, greengrocers ..	57	8
	Bread and flour, confectioners ..	44	6
	Confectioners, tobacconists, etc. ..	140	19

- (ii) 88 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.
213 premises are registered for the manufacture, storage or sale of ice cream.
17 premises are registered as dairies.
- (iii) 1,647 inspections were made of food premises, excluding sampling visits.
- (iv) Lectures relating to clean food education were given to traders' associations and other local organisations whenever an opportunity arose.
- (v) Details of meat inspection at the slaughterhouse and the disposal of condemned meat is given on page 36
- (vi) Details of foods condemned as being unfit for human consumption on examination at the request of a trader are shown on page 38

FOOD HYGIENE REGULATIONS

The Food Hygiene Regulations came into operation in part on 1st January, 1956, and entirely on 1st July, 1956.

577 premises were inspected to ascertain whether the requirements of the Regulations were being observed. The premises included restaurants, cafes, food shops, canteens and hotel and boarding house kitchens. 337 written notices relating to contraventions, together with a printed abridged synopsis of the Regulations, were posted to traders engaged in the handling of food for public consumption. Verbal requests and advice were also given in a large number of instances.

The survey was still in progress at the end of the year.

A summary of the defects found is set out below.

After explaining the real need for a general improvement in hygiene by food handlers and advising how to comply with the Regulations the vast majority of traders were very willing to co-operate.

The survey, particularly in relation to being able to request for the first time that proper hand washing facilities be provided, proved that personal hygiene in that respect has been seriously disregarded in numerous food establishments in the past. It is hoped that the education and co-operation of persons engaged in the food trade will considerably reduce the number of outbreaks of illness from food poisoning which occur annually in this Country.

Absence of :

Adequate supply of hot water	..	..	..	..	223
Wash hand basin	..	..	..	..	154
Towel, soap, requisites	..	..	..	..	96
First Aid equipment	..	..	..	..	133
Clothing accommodation	..	..	..	..	55
"Wash hands" notice	..	..	..	..	202
Sink	..	..	..	..	13
Towel, detergent, requisites	..	..	..	..	24

Defects, cleansing, etc.

Food rooms requiring re-decoration, etc.	87
Tables and equipment	23
Improper storage of refuse	18

Other contraventions :

Lighting or ventilation unsatisfactory	5
Sleeping room vents into food room	4
Smoking offences	6

Vans and stalls (various contraventions)	17
--	----

Complaints relating to unclean food.

8 complaints were received during the year in respect of which appropriate action was taken relating to the following:—

Porridge oats	1
Meat pies mouldy	2
Milk containing foreign matter	1
Bread containing a dead fly	1
Ice lolly—discolouration	1
Chicken and turkey—decomposed	2

FOOD AND DRUGS ACT, 1955

70 samples of milk were submitted for analysis by the Public Analyst:—

<i>Description</i>	<i>No. Analysed</i>
Milk, Pasteurised	31
Milk, Channel Island	17
Milk T.T. Pasteurised	16
Cream	6

One sample of Pasteurised Milk was deficient in fat 10.6%.

Two samples of T.T. Pasteurised Milk contained added water 3.7% and 0.9%, in respect of which appropriate action was taken.

All other samples were genuine.

ANNUAL REPORT
of the
Meteorological Observations
for 1956

METEOROLOGICAL OBSERVATIONS FOR THE YEAR 1956

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Three earth thermometers are in use at various depths—1ft. 4ft. and 6ft.

There is an official five-inch Copper Rain Gauge, Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested periodically by Officers of the Meteorological Office, Air Ministry, Harrow, Middlesex.

A code report is sent by telegram each evening to the Meteorological Office, London, and the leading newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, Harrow, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organisation.

The daily weather report of the Air Ministry, the previous day's sunshine card and a collection of charts and records are also exhibited in the windows of the information bureau at the Pier.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR 1956

Total amount of bright sunshine: 1,726.7 hours.
Number of days with sunshine: 311.
Rainfall: 24.08 inches.
Number of rain-days (.01 inch or more): 148.
Number of wet days (.04 inch or more): 99.
Highest barometric reading: 30.751 inches on February 3rd.
Lowest reading: 28.874 inches on January 10th.
Warmest day: July 24th (77°).
Coldest night: February 2nd (16°).
Coldest day: February 1st (23°).
Warmest nights: August 10th ; September 23rd, 25th (62°).
Warmest month (by day): July (average temperature 67°).
Coldest month (by night): February (average temperature 26°).
Mean temperature: 49.6°.
Mean relative humidity: at 9 a.m. 80.5%.
Lowest temperature on the grass: 15° on February 2nd, 21st.
Wettest day: September 4th, .97 inch.
Sunniest day: July 25th (14.9 hours).
Number of days snow or sleet fell: 7.
Number of days hail fell: 4.
Number of days thunder heard: 13.
Number of ground frosts: 81.
Number of days with wind at gale force: 6.
Number of days with fog: 8.

BRIGHT SUNSHINE

The duration of bright sunshine for the year was 1,726.7 hours, the second lowest total since 1942.

This amount is 38.8 per cent. of the time during which the sun was above the horizon, giving a daily mean of 4.72 hours. The average yearly sunshine for the previous ten years was 1,880.3 hours. During this period the year with the highest record was 1949, when 2,128.9 hours were recorded, whilst the year 1954 was the lowest with 1,687.3 hours. The sunniest day was July 25th, when 14.9 hours were recorded.

May, with 271.7 hours, was the sunniest month, and December with 22.3 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL

The rainfall for the year 1956 was 24.08 inches. This amount is 3.35 inches below the Normal and 3.65 inches below the previous ten years' average.

The month of February was the driest with 0.24 inch, falling below the Normal amount by 1.73 inches. It was the driest February since 1934. January was the wettest month with 5.07 inches, this amount being 2.95 inches above the Normal. The heaviest day's rainfall was 0.97 inch on September 4th. There were 148 days on which 0.01 inch or more rain fell, compared with 155 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

SUMMER RAINFALL. Total for six months (April 1st to September 30th) was 12.23 inches, compared with an average summer rainfall for the previous ten years of 12.39 inches.

WINTER RAINFALL. Total for six months (October 1st to March 31st, 1956/7) was 13.77 inches, compared with an average winter rainfall for the previous ten years of 15.25 inches.

HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 80.5%, compared with the previous five years' average of 81.8%.

BAROMETER

The mean barometric reading for the year was 30.062 inches (when reduced to sea level and to a temperature of 32° Fahr.), the average for the previous five years being 29.999 inches. The highest reading for the year was 30.751 inches on February 3rd, and the lowest reading was 28.874 inches on January 10th. The absolute range for the year was 1.877 inches and the average range for the previous five years 1.934 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE

The mean temperature for the year was 49.6° Fahr., which is 1.4° below the Normal. Since 1881 the warmest year was 1949 with a mean temperature of 52.8°. The highest shade temperature for 1956 was 77° recorded on July 24th, and the lowest 16° on February 2nd. The extreme range of temperature was 61° compared with the average range of 57° for the previous five years. The temperature on the grass fell below 30.4° on 81 nights. The lowest temperature on the grass was 15° during the nights of February 2nd and 21st.

EARTH TEMPERATURES. The highest and lowest temperatures at various depths in the earth were as follows:—

<i>Below Surface</i>	<i>Highest</i>	<i>Date</i>	<i>Lowest</i>	<i>Date</i>
1 ft.	65.2°	July 28th	33.0°	February 23rd, 24th, 25th, 26th and 27th
4 ft.	60.3°	July 29th, 31st	40.4°	March 2nd
6 ft.	58.4°	August 25th	43.0°	March 3rd, 4th, 5th, 6th and 7th

WIND

Percentages of direction of wind from 732 observations taken at 9 a.m. and 6 p.m. throughout the year:—

	<i>9 a.m.</i>	<i>6 p.m.</i>		<i>9 a.m.</i>	<i>6 p.m.</i>
	%	%		%	%
N.	15.3	10.7	S.	5.5	5.7
N.E.	14.5	10.4	S.W.	22.9	26.5
E.	4.6	5.7	W.	12.0	17.5
S.E.	10.7	10.4	N.W.	14.5	13.1
Calm	—	—			

TABLE 1 — CLOUD AND HUMIDITY

Month.	Cloud Amount Scale 1-8		Mean Relative Humidity	Mean Humidity previous 5 years 1951-1955
	9 a.m.	6 p.m.	9 a.m.	9 a.m.
January	5	5	% 90	% 89
February	5	6	83	88
March	4	4	79	83
April	5	4	74	75
May	4	4	69	74
June	6	6	73	77
July	6	4	80	77
August	6	5	78	79
September	5	5	84	81
October	5	5	83	85
November	5	4	83	86
December	6	7	91	90
Year 1956 ..	5	5	81	Yearly average 82

TABLE 2 — BRIGHT SUNSHINE — 1956

The following is an Extract from the Table of Official Returns of the Meteorological Office, and shows the relative positions of Mainland stations in the South—Eastern Coastal area.

<i>Station</i>					<i>Sunshine (Hours)</i>
Bournemouth	..	..	..	..	1808.5
Eastbourne	..	..	..	..	1768.5
WORTHING	..	..	..	..	1726.7
Littlehampton	..	..	..	..	1726.3
Bognor Regis	..	..	..	..	1722.1
Portsmouth	..	..	..	..	1714.5
Seaford	..	..	..	..	1687.4
Margate	..	..	..	..	1686.6
Brighton	..	..	..	..	1686.3
Hastings	..	..	..	..	1679.4
Southampton	..	..	..	..	1652.7
Bexhill	..	..	..	..	1641.0
Ramsgate	..	..	..	..	1631.0
Whitstable	..	..	..	..	1619.4
Folkestone	..	..	..	..	1616.4
Dover	..	..	..	..	1590.8
Herne Bay	..	..	..	..	1562.1

TABLE 3 — BRIGHT SUNSHINE

Month	Total Hours Bright Sunshine	Average for 30 years 1921-1950	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals			
							Hours	Year	Hours	Year
January ..	78.1	67	2.52	116	23	7.0	109.9	1940	34.5	1912
February ..	107.7	83	3.71	127	25	9.3	140.3	1949	29.8	1947
March ..	169.5	147	5.47	115	29	10.3	220.8	1907	95.3	1916
April ..	174.1	182	5.80	96	27	12.9	267.2	1912	105.3	1905
May ..	271.7	232	8.76	117	31	14.0	353.1	1909	148.9	1932
June ..	152.8	243	5.09	63	29	14.2	318.8	1925	143.5	1909
July ..	191.6	232	6.18	83	27	14.9	369.0	1911	133.8	1944
August ..	204.4	219	6.59	93	30	14.1	298.4	1899	112.6	1912
September ..	142.4	169	4.75	84	26	9.5	262.6	1898	97.1	1945
October ..	129.2	125	4.17	104	27	9.3	181.6	1919	81.9	1915
November ..	82.9	76	2.76	109	23	8.5	131.3	1909	44.4	1934
December ..	22.3	63	0.72	35	14	5.6	96.0	1946	22.3	1956
Year 1956 ..	1726.7	1838	4.72	94	311	14.9	369.0	July 1911	22.3	Dec. 1956
Highest and Lowest Year Totals							2141.0	1899	1600.2	1913

TABLE 4 — BRIGHT SUNSHINE

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1936	1675.0	310	June 23rd	15.2
1937	1668.3	317	June 6th	14.4
1938	1796.4	310	June 21st	15.3
1939	1809.7	310	June 1st	15.4
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
1951	1838.4	297	June 19th	15.1
1952	1917.0	317	June 30th	15.1
1953	1885.1	302	July 24th	14.3
1954	1687.3	301	June 20th	14.4
1955	1936.4	305	May 30, June 1	14.9
1956	1726.7	311	July 25th	14.9
Average for 20 years 1936—1955	1821.8	310		

TABLE 5 — RAINFALL

1956	Total Rain- fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with		Total Rain Days
				.01 in. or more	.04 in. or more	
	ins.	ins.	ins.			
January ..	5.07	+2.75	0.76	19	14	19
February ..	0.24	-1.73	0.07	9	1	9
March ..	0.27	-1.69	0.07	9	2	9
April	1.49	-0.08	0.39	8	8	8
May	0.34	-1.31	0.12	8	4	8
June	1.93	+0.20	0.38	13	11	13
July	2.74	+0.70	0.72	13	8	13
August ..	2.56	+0.32	0.68	20	15	20
September ..	3.17	+1.05	0.97	11	8	11
October ..	1.23	-2.39	0.66	12	9	12
November ..	0.69	-2.49	0.25	10	5	10
December ..	4.35	+1.32	0.84	16	14	16
Year	24.08	-3.35	0.97	148	99	148

TABLE 6 — RAINFALL

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1936	27.42	169	1.79	6th November
1937	31.59	162	0.87	4th February
1938	22.95	156	0.75	24th September
1939	34.42	171	1.41	13th October
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
1950	26.95	157	0.89	20th November
1951	37.98	184	1.40	11th June
1952	28.54	175	1.29	30th September
1953	24.33	125	1.22	12th October
1954	30.28	188	1.81	25th July
1955	24.75	140	1.40	22nd September
Average for 20 years	27.15	152	2.05	10th July 1945
1956	24.08	148	0.97	4th September

TABLE 7 — BAROMETRIC PRESSURE AND TEMPERATURE

1956	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	29.899	30.560	28.874	46.1	35.6	40.9	—	53	28
February	30.267	30.751	29.736	36.3	26.2	31.3	—9.6	50	16
March	30.010	30.567	29.320	48.4	38.4	43.4	—0.4	57	29
April	29.994	30.396	29.517	51.2	38.7	44.9	—3.1	58	31
May	30.202	30.484	29.851	61.8	46.9	54.3	+0.8	76	37
June	30.092	30.456	29.625	63.8	51.3	57.5	—0.1	73	45
July	29.964	30.380	29.204	66.7	56.6	61.7	—0.8	77	51
August	29.862	30.400	29.310	66.1	53.9	60.0	—2.6	71	48
September	29.994	30.268	29.624	65.4	55.8	60.6	+1.2	70	49
October	30.189	30.486	29.878	57.0	46.3	51.7	—1.2	63	35
November	30.172	30.570	29.556	49.1	39.9	44.5	—1.7	56	27
December	30.096	30.510	29.234	48.0	40.3	44.1	+2.3	54	30
Year 1956	30.062	30.751	28.874	55.0	44.2	49.6	—1.4	77	16

TABLE 8 — WINDS

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	2	4	2	2	1	7	8	5	—
February	7	11	1	—	—	2	2	6	—
March	2	4	4	14	1	3	1	2	—
April	8	9	—	5	1	5	—	2	—
May	4	4	—	2	1	15	3	2	—
June	11	—	—	1	2	5	5	6	—
July	3	4	—	4	2	11	5	2	—
August	2	3	—	1	—	12	9	4	—
September	1	3	6	6	5	4	3	2	—
October	5	4	1	—	2	8	2	9	—
November	8	5	2	1	2	3	2	7	—
December	3	2	1	3	3	9	4	6	—
Year 1956 ..	56	53	17	39	20	84	44	53	—

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	6	4	—	3	3	3	5	7	—
February	10	9	—	—	—	1	3	6	—
March	1	3	8	10	1	5	2	1	—
April	5	6	1	4	—	10	3	1	—
May	1	1	1	4	1	15	8	—	—
June	5	2	—	1	1	10	10	1	—
July	1	1	—	4	3	13	6	3	—
August	—	1	1	—	2	12	11	4	—
September	—	2	7	5	4	7	4	1	—
October	4	1	1	3	1	8	4	9	—
November	5	4	2	2	1	4	1	11	—
December	1	4	—	2	4	9	7	4	—
Year 1956 ..	39	38	21	38	21	97	64	48	—

TABLE 9 — VISIBILITY
Summary of observations taken at 9 a.m. and 6 p.m.

MONTH	FOG						MIST OR HAZE						GOOD VISIBILITY					
	A		B & C		D & E		F	G	H	I	J	K	L	M				
	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.
January ..	—	—	—	1	2	1	7	5	7	4	2	2	7	9	4	5	2	1
February ..	—	—	—	—	—	—	4	6	8	9	3	5	5	6	7	2	2	1
March ..	—	—	—	—	—	—	2	2	6	7	2	3	9	6	8	5	3	1
April ..	—	—	—	—	—	—	—	1	3	1	3	2	5	13	12	7	6	2
May ..	—	—	—	—	—	1	1	—	—	—	—	—	2	7	11	12	3	2
June ..	—	—	—	—	—	—	—	—	—	3	—	—	4	4	9	6	8	7
July ..	—	—	—	—	—	—	1	2	—	2	9	5	11	6	5	4	1	3
August ..	—	—	—	—	—	—	—	—	—	—	3	—	2	4	10	4	8	4
September ..	—	—	—	—	—	—	—	—	2	2	3	3	8	6	7	7	5	2
October ..	—	—	—	—	—	—	3	1	1	5	3	5	7	8	8	4	7	4
November ..	—	—	—	—	—	—	6	3	5	5	2	5	10	11	7	3	—	3
December ..	—	—	1	—	4	3	2	7	5	5	7	3	4	4	5	6	3	1
Year 1956 ..	—	—	1	1	6	5	26	27	37	43	37	33	74	84	93	65	48	31
																	12	19
																	32	58

KEY TO TABLE 9 — VISIBILITY

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Dense Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Mist or Haze	Heene Church Tower	" "	W.
G	1½ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¾ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Good	Highdown Hill	" "	W.N.W.
J	6¼ miles	6½ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12½ miles	Very Good	Hills beyond Brighton	" "	E.
L	18¾ miles	18¼ miles	Excellent	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Abnormal	Beachy Head	" "	E.S.E.

TABLE 10 — CLIMATE OF WORTHING — 1900 - 1956

Year	Temperatures							Rainfall		Sunshine	Year
	Means					Extremes		Amount at Observ- atory	Number of days rain fell	Number of hours in year	
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
1900	51.2	44.9	56.2	11.3	50.6	20.9	79.0	26.33	182	1885.6	1900
1901	50.2	43.6	55.8	12.2	49.7	22.9	80.7	21.45	139	2017.0	1901
1902	50.2	43.6	55.0	11.1	49.6	21.8	78.0	23.77	157	1661.7	1902
1903	50.9	45.2	55.4	10.2	50.3	23.7	78.2	32.19	189	1749.2	1903
1904	50.4	44.3	55.5	11.2	49.9	23.8	77.4	26.85	163	1748.4	1904
1905	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	1905
1906	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	1906
1907	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	1907
1908	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	1908
1909	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	1909
1910	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	1910
1911	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	1911
1912	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	1912
1913	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	1913
1914	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	1914
1915	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	1915
1916	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	1916
1917	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	1917
1918	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	1918
1919	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	1919
1920	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	1920
1921	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	1921
1922	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	1922
1923	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	1923
1924	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	1924
1925	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	1925
1926	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	1926
1927	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	1927
1928	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	1928
1929	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	1929
1930	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	1930
1931	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	1931
1932	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	1932
1933	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	1933
1934	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	1934
1935	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	1935
1936	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	1936
1937	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	1937
1938	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	1938
1939	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	1939
1940	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	1940
1941	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	1941
1942	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	1942
1943	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	1943
1944	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	1944
1945	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	1945
1946	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	1946
1947	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	1947
1948	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	1948
1949	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	1949
1950	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	1950
1951	51.9	46.0	56.3	10.3	51.2	22.0	76.0	37.98	184	1838.4	1951
1952	50.7	45.0	56.0	11.0	50.2	23.0	82.0	28.54	175	1917.0	1952
1953	51.9	46.2	57.1	11.1	51.7	25.0	80.0	24.33	125	1885.1	1953
1954	51.0	45.3	56.0	10.7	50.7	18.0	75.0	30.28	188	1687.3	1954
1955	51.0	44.8	56.4	11.6	50.6	25.0	84.0	24.75	140	1936.4	1955
1956	49.9	44.2	55.0	10.8	49.6	16.0	77.0	24.08	148	1726.7	1956

NATIONAL HEALTH SERVICE ACT, 1946

Part III Services

The day-to-day administration of the Part III Services provided under the National Health Service Act is delegated to the Worthing County Health Sub-Committee. This section summarises the work carried out in the Borough during the year.

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN

Child Welfare Centres :

There are five Child Welfare Centres in the Borough situated as follows:—

- (1) The Central Clinic—Monday and Friday afternoons.
- (2) Church Hall, Durrington—Second and fourth Thursday afternoons in each month.
- (3) St. Mary's Hall, Goring—Second and fourth Thursday afternoons in each month.
- (4) St. Richard's Hall, Maybridge—First, third and fifth Thursday afternoons in each month.
- (5) Free Church Hall, Findon Valley—First and third Wednesday afternoons in each month.

1,309 infants and children made a total of 8,902 attendances at all centres during the year. The number of infants who first attended at the centres during the year whilst they were under one year of age was 544, equivalent to 81.2 per cent. of the notified live births.

Ante- and Post-Natal Clinics :

The following is a summary of attendances, etc., at these clinics:—

Medical Officer's Clinic:

No. of clinics	..	..	..	..	49
New cases	..	..	..	..	114
Total attendances	..	..	..	..	565
Average attendance per session	..	..	..	..	11.5

Midwives' Clinic:

No. of clinics	..	..	..	..	37
New cases	..	..	..	..	133
Total attendances	..	..	..	..	529

Ante-Natal Relaxation Exercises Clinic:

New cases	..	..	..	..	69
Total attendances	..	..	..	..	386

DENTAL SERVICE

The following tables give details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers ...	13	8	8	8
Children under five ...	207	109	107	96

(b) Forms of dental treatment provided:

	Extractions	General Anaesthetics	Fillings	Scalings or Scaling and gum treatment	Silver Nitrate treatment	Crowns or Inlays	Radiographs	Dentures provided	
								Complete	Partial
Expectant and Nursing Mothers	3	1	23	-	-	-	-	4	-
Children under five	74	27	309	-	38	-	-	-	-

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

CARE OF PREMATURE INFANTS

All infants weighing up to 5½ lbs. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is 5½ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

Thirty-five premature live births were notified, of which eight occurred at home. Nine premature still-births were also notified.

SECTION 23. MIDWIFERY

The following is a summary of the work of the domiciliary midwives:—

Confinements attended—				
as midwife	..	..	..	168
as maternity nurse	..	..	..	52
Analgesia administered—				
as midwife	..	..	..	148
as maternity nurse	..	..	..	53
Pethidine administered—				
as midwife	..	..	..	112
as maternity nurse	..	..	..	36
Nursings—				
as midwife	..	..	..	3,583
as maternity nurse	..	..	..	319
Ante-natal visits	..	..	..	1,831

Notification of Births. 680 live births and 21 still-births were registered during the year.

SECTION 24. HEALTH VISITING

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act, 1946.

The following are details of visits made by the Health Visitors during the year:—

Expectant and nursing mothers—total visits	..	..	286
First visits to infants under 1 year of age	..	..	654
Re-visits to infants under 1 year of age	..	..	2,166
Children 1-5 years—total visits	..	..	3,022
Infectious disease visits	..	..	18
Tuberculosis visits	..	..	175
Visits to aged and infirm persons	..	..	340
Visits in connection with domestic help service	..	..	472
Other visits	..	..	140
Total No. of families or households visited	..	..	2,517

SECTION 25. HOME NURSING

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Area Nursing Officer, 15 full-time and 3 part-time Home Nurses.

The following table gives particulars of the number of cases dealt with during the year under review:—

No. of cases attended by Home Nurses	..	..	2,542
No. of visits paid by Home Nurses	..	..	65,339

SECTION 26. VACCINATION AND IMMUNISATION

Vaccination :

(a) Smallpox

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year:—

Number of persons vaccinated (or re-vaccinated)

Age at date of vaccination	Under 1	1	2 to 4	5 to 14	15 or over	Total
Number vaccinated ...	200	11	16	20	26	273
Number re-vaccinated ...	—	—	5	27	183	215

(b) Poliomyelitis

Limited supplies of vaccine became available in the spring. Registration for the vaccination of children born between 1947 and 1954 was carried out, but owing to the small amount of vaccine available the Ministry of Health advised that vaccination could only be offered to children born in selected months.

Year of Birth	1947	1948	1949	1950	1951	1952	1953	1954	Total
No. registered ...	404	353	316	267	149	81	66	35	1,671
No. vaccinated ...	32	25	22	13	14	13	12	3	134

Diphtheria Immunisation :

During the year, 305 children under five years and 4 children aged five to fifteen years were immunised. 89 were immunised at the Clinics and 220 by private doctors. In addition 292 children received reinforcing injections.

SECTION 27. AMBULANCE SERVICES

The St. John Ambulance Brigade acts as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 7,175 patients, covering a total distance of 60,584 miles.

SECTION 28. PREVENTION OF ILLNESS, CARE & AFTER-CARE

1. *Tuberculosis :*

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 175 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping a number of patients and their families.

2. *Care and After-Care :*

Close liaison exists between the Hospital Almoners, the County Care Almoner and the Health Visitors, and numerous visits were made to chronic sick cases and aged persons (see Health Visitors' statistical table).

3. *Prevention of Illness :*

The Health Visitors continued to play an important part in health education during the year, in addition, exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health either arranged or gave a number of talks to local organisations in the Borough.

SECTION 29. DOMESTIC HELP

This service continues to provide Domestic Help in cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

<i>Applications for Assistance</i>	<i>Maternity Cases</i>	<i>Tuber- culosis Cases</i>	<i>Chronic Sick inc. aged & infirm Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1956	3	5	179	39	226
(b) No. of new applications received	62	3	196	191	452
(c) No. of cases in (b) assisted	53	3	161	179	396
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	1	1	2
(e) No. of cases in (b) not approved	—	—	2	—	2
(f) No. of applications in (b) withdrawn:					
(i) Before arrangements made	4	—	18	7	29
(ii) After arrangements made	5	—	4	4	13
(g) No. of cases in (a) and (b) completed during the year	50	1	114	180	345
(h) No. of cases receiving assistance at end of year	6	7	236	38	287

Number of Domestic Helps employed at 31st December, 1956:—

(a) Whole-time—1 : (b) Part-time—58.



Gadd's Printing Works, Ltd., Wenban Road, Worthing.
