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**Publication/Creation**

1957

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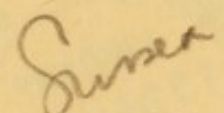


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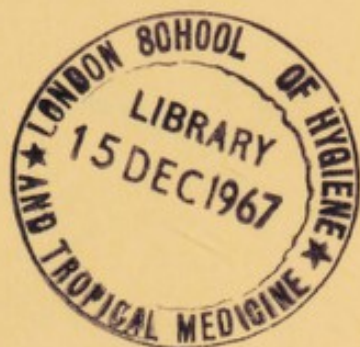
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Borough of Worthing



ANNUAL REPORT  
on the  
HEALTH OF WORTHING  
and  
Meteorological Observations  
for the Year  
1957

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





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HEALTH DEPARTMENT,  
WORTHING LODGE,  
STOKE ABBOTT ROAD,  
WORTHING.  
*August, 1958.*

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

MR. MAYOR, LADIES AND GENTLEMEN,

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

*Statistics.*—The general health of the town was satisfactory during the year. The Infantile Mortality Rate of 19.2 per 1,000 is the second lowest on record and compares with a figure of 23.0 for England and Wales as a whole.

*Infectious Diseases.*—For the tenth year in succession there were no cases of diphtheria. This is indeed a tribute to immunisation, and it is hoped that vaccination against poliomyelitis will prove equally successful.

*The care of the aged.*—The care of the aged continues to be a major problem, but an excellent beginning was made by the conversion of a large house into flatlets specially designed to meet the needs of old people. The total number of "units of accommodation" for aged persons in the Borough at the end of the year was 118; this is well below the 300 suggested in my Annual Report for 1954, but further additions have been made this year and the need is continually being reviewed. Also during the year, hospital provision for geriatric cases was improved by 50 additional beds at Swandean Hospital.

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, 1957)

*Chairman :* COUNCILLOR A. J. BARRETT

*Vice-Chairman :* COUNCILLOR MRS. D. STAPLETON SKINNER, B.A.

|                              |                             |
|------------------------------|-----------------------------|
| ALDERMAN T. A. CLIFFORD      | COUNCILLOR C. W. W. COOPER  |
| ALDERMAN R. A. MITCHELL      | COUNCILLOR G. HYDER         |
| COUNCILLOR F. P. BEX         | COUNCILLOR R. S. JARVIS     |
| COUNCILLOR MRS. E. D. BIRCH  | COUNCILLOR MRS. M. I. KEELE |
| COUNCILLOR MRS. H. M. PERYER |                             |

## HEALTH DEPARTMENT STAFF :

(as at 31.12.57)

### 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 B. H. GIBSON                     |
| Meteorological Observers :           | ... | ...                         | T. L. CANTON                          |
|                                      |     |                             | M. BLAKE                              |
| Other Staff :                        |     |                             |                                       |
| Rodent Operators :                   | ... | ...                         | F. J. MARIGOLD                        |
|                                      |     |                             | J. H. OGLESBY                         |
| Disinfector and General Assistant :  | ... | F. A. McLoughlin            |                                       |



## GENERAL STATISTICS, 1957

|                                                            |         |                |
|------------------------------------------------------------|---------|----------------|
| 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 (1957) | ..      | 72,860         |
| Number of inhabited houses (1921)                          | .. .. . | 7,710          |
| Number of inhabited houses (1957)                          | .. .. . | 26,300         |
| Rateable Value (1957)                                      | .. .. . | £1,733,685     |
| Sum represented by a penny rate, 1957                      | .. .. . | £7,224         |

**BIRTH RATE.** 9.6 per 1,000 population. Birth-rate after correction by the factor received from the Registrar-General, 13.1 per 1,000. (Number of births, 697).  
England and Wales, 16.1 per 1,000.

**DEATH RATES** (all causes). 18.4 per 1,000 population. Death rate after correction by the factor received from the Registrar-General, 9.9 per 1,000. (Number of deaths, 1,338).

England and Wales, 11.5 per 1,000.

Infant rate, 19.2 per 1,000 live births. (Number of deaths, 13).

England and Wales, 23.0 per 1,000 live births.

Maternal rate, nil.

England and Wales, 0.47 per 1,000 births.

Tuberculosis rate, 0.04 per 1,000 population. (Number of deaths, 3).

England and Wales, 0.09 per 1,000 population.

**MEAN ANNUAL TEMPERATURE** (1957) .. .. 51.9 degrees Fahr.

**HOURS OF BRIGHT SUNSHINE** (1957), 1,836.4 hours; daily average, 5.03 hours; Summer, 7.02 hours; Winter, 3.03 hours.

**TOTAL RAINFALL** (1957) .. .. . 25.30 inches



## VITAL STATISTICS

The Registrar-General's estimate of the mid-year population of Worthing was 72,860, as compared with 71,580 in 1956, 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 697, namely:—

|                         |    | <i>Total</i> | <i>Male</i> | <i>Female</i> |
|-------------------------|----|--------------|-------------|---------------|
| Live Births—Legitimate  | .. | 641          | 309         | 332           |
| Illegitimate            | .. | 36           | 18          | 18            |
| Still Births—Legitimate | .. | 16           | 12          | 4             |
| Illegitimate            | .. | 4            | 2           | 2             |

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 1957 adjusted in this manner is raised from 9.6 to 13.1 per 1,000 of the population. The birth-rate for England and Wales is 16.1 per 1,000.

Birth-rate per 1,000 population:—

|              |    |    |    |    |    |      |
|--------------|----|----|----|----|----|------|
| Live Births  | .. | .. | .. | .. | .. | 9.3  |
| Still Births | .. | .. | .. | .. | .. | 0.29 |

Birth-rate per 1,000 population after applying  
"Area Comparability Factor":—

|              |    |    |    |    |    |      |
|--------------|----|----|----|----|----|------|
| Live Births  | .. | .. | .. | .. | .. | 12.3 |
| Still Births | .. | .. | .. | .. | .. | 0.40 |

Birth-rate (Live and Still) per 1,000 population 9.6

Birth-rate (Live and Still) per 1,000 population  
after applying "Area Comparability Factor" 13.1

Still Birth-rate per 1,000 (Live and Still) births 28.7

Illegitimate births numbered 40, or 5.74 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 1957 there were 20 still-births registered to Worthing residents representing a still-birth rate of 28.7 per 1,000 births (live and still) registered. Of the 20 still-births four were registered as illegitimate.

## **DEATHS**

The number of deaths registered in the Borough during 1957 was 1,321. Of these 201 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 218 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,338 (males 567, females 771). This gives a recorded death-rate of 18.4 compared with 11.5 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 9.9 per 1,000 population.

## **INFANT MORTALITY**

During 1957 the deaths of 13 infants under one year of age were registered. The total number of live births registered during the year was 677, giving an infantile mortality rate of 19.2 per 1,000 live births.

The infantile mortality rate for England and Wales in 1957 was 23.0.

There were 11 deaths of infants during the first four weeks of life (or 84.6 per cent. of the total infant deaths) as compared with 13 deaths (or 59.1 per cent.) in 1956.

The causes of the 13 infant deaths are shown in detail on page 16.

## **MATERNAL MORTALITY**

There were no maternal deaths during the year.



## CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 262 (males 110, females 152) as compared with 245 in 1956, 228 in 1955, 235 in 1954, 224 in 1953 and 203 in 1952. The death-rate from the disease per 1,000 of the population was 3.59. The deaths from cancer constitute 19.6 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 | 1957      | .. | .. | 3.59 |

The following table shows the localisation of the disease in the case of the 262 deaths recorded.

| Localisation                 |    |    |    |    | No. of deaths |        |       |
|------------------------------|----|----|----|----|---------------|--------|-------|
|                              |    |    |    |    | Male          | Female | Total |
| Stomach                      | .. | .. | .. | .. | 14            | 9      | 23    |
| Lungs                        | .. | .. | .. | .. | 34            | 14     | 48    |
| Breast                       | .. | .. | .. | .. | —             | 38     | 38    |
| Uterus                       | .. | .. | .. | .. | —             | 8      | 8     |
| Other and unspecified organs | .. |    |    |    | 62            | 83     | 145   |
| Total                        | .. |    |    |    | 110           | 152    | 262   |

In a year in which so much attention has been focussed upon the relationship between lung cancer and smoking, it is noted that the number of deaths from lung cancer as set out in the above table is the highest yet recorded—a sombre matter which makes one doubt whether enough is being done to warn children and young people of the health dangers of heavy cigarette smoking.



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 |       |                                        |
| 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                                   |
| 1957 .. | 110    | 152     | 262   | 3.59                                   |

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 1957 was 2.09 per 1,000 population.

### INFLUENZA AND PNEUMONIA MORTALITY

There were 74 deaths from these diseases as against 68 in 1956, 48 in 1955, 46 in 1954, 74 in 1953 and 46 in 1952. The mortality rate per 1,000 of the population was 1.01, as compared with 0.95 in 1956, 0.69 in 1955, 0.67 in 1954, 1.09 in 1953 and 0.68 in 1952. The rate for England and Wales in 1957 was 0.71 per 1,000 population.

### TUBERCULOSIS MORTALITY

Deaths from tuberculosis numbered 3, of which all were due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.04 per 1,000 population, compared with 0.08 in 1956, 0.13 in 1955, 0.19 in 1954, 0.04 in 1953 and 0.31 in 1952.

The rate for England and Wales in 1957 was 0.09 per 1,000 population.

### DEATHS FROM HEART DISEASE

Of the 1,338 deaths, heart disease caused roughly 1 in every 3 (males 185, females 283). It represented 34.9 per cent of the total deaths from all causes and was equivalent to a death rate of 6.40 per 1,000 of the population.

| Year. | Births. |      | All causes. |      | Infants under 1 year. |              | Deaths.      |     |         |     | Registrar General's Population |     |      |        |
|-------|---------|------|-------------|------|-----------------------|--------------|--------------|-----|---------|-----|--------------------------------|-----|------|--------|
|       | No.     | R.*  | No.         | R.*  | Maternal Mortality    |              | Tuberculosis |     | Cancer. |     |                                |     |      |        |
|       |         |      |             |      | Sepsis.               | Other Causes | Rate†        | No. |         | R.* |                                | No. | R.*  |        |
| 1918  | 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   | 1.40    | 31  | 0.52                           | 151 | 2.56 | 59,080 |
| 39    | 763     | 12.4 | 1035        | 16.9 | 18                    | 23           | 1            | 1   | 2.60    | 26  | 0.34                           | 163 | 2.66 | 61,210 |
| 40    | 657     | 9.6  | 1165        | 17.6 | 32                    | 49           | —            | 2   | 3.00    | 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 | 65,710 |
| 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 |
| 57    | 697     | 9.6  | 1338        | 18.4 | 13                    | 19           | —            | —   | —       | 3   | 0.04                           | 262 | 3.59 | 72,860 |

\* Per 1,000 Population (unadjusted)

\*\* Per 1,000 Live Births.

† Per 1,000 Total (Live & Still)



TABLE II

## BIRTHS

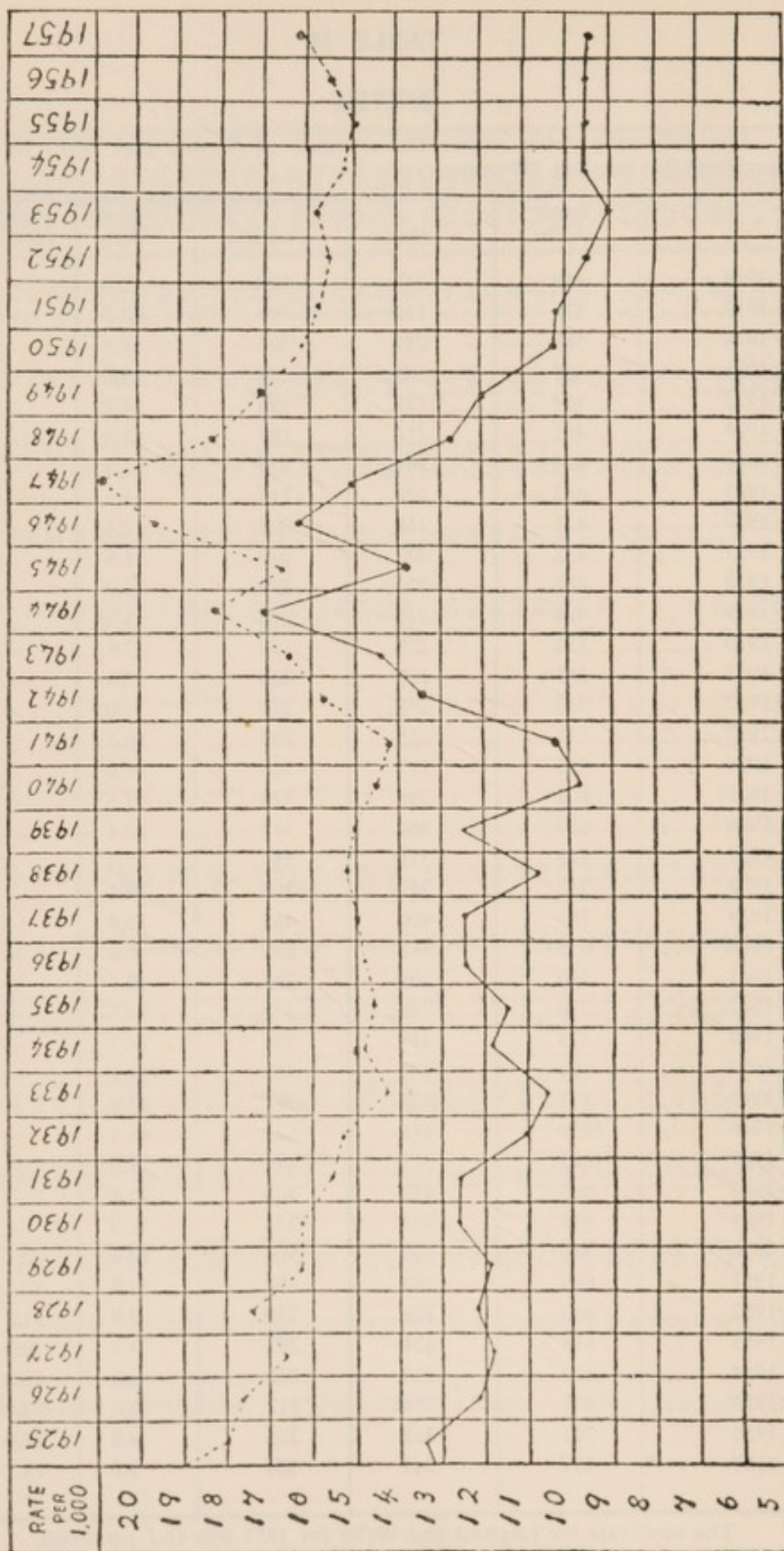
The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

|      |    | Total Births | Males | Females | Birth Rate | Adjusted Birth Rate |
|------|----|--------------|-------|---------|------------|---------------------|
| 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                |
| 1957 | .. | 697          | 341   | 356     | 9.6        | 13.1                |

The birth rate for England and Wales for 1957 was 16.1 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 1,338, 567 males and 771 females, giving a crude death rate of 18.4 per 1,000 population.

The corrected death rate after adjustment is 9.9.

|      |    |    | Crude Death Rate | Adjusted Death Rate                  |
|------|----|----|------------------|--------------------------------------|
| 1939 | .. | .. | 16.9             | 11.0                                 |
| 1940 | .. | .. | 17.6             | 11.1                                 |
| 1941 | .. | .. | 18.7             | (no comparability<br>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                                 |
| 1957 | .. | .. | 18.4             | 9.9                                  |

The death rate for England and Wales was 11.5



**TABLE III.**  
**CAUSES OF DEATH — 1957**

| All Causes                                      | Males<br>567 | Females<br>771 |
|-------------------------------------------------|--------------|----------------|
| Tuberculosis, Respiratory .. .. .               | 3            | —              |
| Tuberculosis, other .. .. .                     | —            | —              |
| Syphilitic Disease .. .. .                      | 4            | 2              |
| Diphtheria .. .. .                              | —            | —              |
| Whooping Cough .. .. .                          | —            | —              |
| Meningococcal infections .. .. .                | —            | —              |
| Acute Poliomyelitis .. .. .                     | —            | —              |
| Measles .. .. .                                 | —            | —              |
| Other infective and parasitic diseases .. .. .  | —            | —              |
| Malignant neoplasm, stomach .. .. .             | 14           | 9              |
| Malignant neoplasm, Lung, Bronchus .. .. .      | 34           | 14             |
| Malignant neoplasm, Breast .. .. .              | —            | 38             |
| Malignant neoplasm, Uterus .. .. .              | —            | 8              |
| Other malignant and lymphatic neoplasms .. .. . | 62           | 83             |
| Leukaemia aleukaemia .. .. .                    | 3            | 4              |
| Diabetes .. .. .                                | 1            | 3              |
| Vascular lesions of Nervous System .. .. .      | 87           | 153            |
| Coronary disease, Angina .. .. .                | 100          | 101            |
| Hypertension with heart disease .. .. .         | 5            | 23             |
| Other heart disease .. .. .                     | 80           | 159            |
| Other circulatory disease .. .. .               | 14           | 33             |
| Influenza .. .. .                               | 3            | 10             |
| Pneumonia .. .. .                               | 42           | 19             |
| Bronchitis .. .. .                              | 26           | 4              |
| Other diseases of respiratory system .. .. .    | 6            | 5              |
| Ulcer of stomach and duodenum .. .. .           | 6            | 3              |
| Gastritis, enteritis and diarrhoea .. .. .      | —            | 5              |
| Nephritis and nephrosis .. .. .                 | 2            | 7              |
| Hyperplasia of prostate .. .. .                 | 11           | —              |
| Pregnancy, childbirth, abortion .. .. .         | —            | —              |
| Congenital malformations .. .. .                | 9            | 3              |
| Other defined and ill-defined diseases .. .. .  | 35           | 61             |
| Motor vehicle accidents .. .. .                 | 3            | 1              |
| All other accidents .. .. .                     | 8            | 17             |
| Suicide .. .. .                                 | 6            | 6              |
| Homicide and operations of war .. .. .          | 3            | —              |

The principal causes of death during the year were:—

|                                        |     |
|----------------------------------------|-----|
| Heart Diseases .. .. .                 | 468 |
| Cancer .. .. .                         | 262 |
| Intra-cranial vascular lesions .. .. . | 240 |
| Pneumonia .. .. .                      | 61  |

**DEATHS, AGE GROUPS — 1957**

| Age                              | Deaths | Age               | Deaths |
|----------------------------------|--------|-------------------|--------|
| Under 1 year                     | 13     | 35 to 44 years    | 15     |
| 1 to 2 years                     | 3      | 45 to 54 "        | 64     |
| 3 to 4 "                         | —      | 55 to 59 "        | 44     |
| 5 to 9 "                         | —      | 60 to 64 "        | 88     |
| 10 to 14 "                       | 2      | 65 to 69 "        | 142    |
| 15 to 19 "                       | 3      | 70 to 79 "        | 458    |
| 20 to 24 "                       | —      | 80 to 89 "        | 422    |
| 25 to 34 "                       | 8      | 90 years and over | 76     |
| Total number of deaths ... 1,338 |        |                   |        |

This analysis shows that 71.4 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<br>Death rate<br>per 1,000<br>Population | Rate for<br>England & Wales |
|----------------------|--------|---------------------------------------------------|-----------------------------|
| First Quarter .. ..  | 356    | 10.4                                              | 12.2                        |
| Second Quarter .. .. | 327    | 9.7                                               | 10.6                        |
| Third Quarter .. ..  | 246    | 7.3                                               | 9.7                         |
| Fourth Quarter .. .. | 409    | 12.2                                              | 13.4                        |
|                      | 1338   | 9.9                                               | 11.5                        |

**TABLE. IV**  
**BIRTH RATES, DEATH RATES,**  
**AND INFANTILE MORTALITY RATES, 1937—1957**

| Years   | No. of births | Unadjusted<br>Birth rate<br>per 1,000<br>of the<br>population | No. of deaths | Unadjusted<br>Death rate<br>per 1,000<br>of the<br>population | Infantile<br>Mortality<br>rate per<br>1,000 births |
|---------|---------------|---------------------------------------------------------------|---------------|---------------------------------------------------------------|----------------------------------------------------|
| 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                                               |
| 1957 .. | 697           | 9.6                                                           | 1338          | 18.4                                                          | 18.7                                               |

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 13 (all males), giving an infant mortality rate of 19.2 per 1,000 live births. The corresponding rate for England and Wales for the year under review was 23.0.

| 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                                         |
| 1957 | 13                   | 19.2                             | 1.0                                    | 23                                         |

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. |      |      |      |      |
|------------------------------|------------------------------------------|------|------|------|------|
|                              | 1953                                     | 1954 | 1955 | 1956 | 1957 |
| Premature Births .. .. .     | 6                                        | 8    | 6    | 5    | 2    |
| Congenital Malformations ..  | 2                                        | 1    | —    | 4    | 3    |
| Pneumonia .. .. .            | 3                                        | 2    | 1    | 8    | 2    |
| Atelectasis .. .. .          | 2                                        | 3    | 2    | —    | —    |
| Asphyxia .. .. .             | 1                                        | —    | —    | 1    | 1    |
| Spina Bifida .. .. .         | 1                                        | —    | —    | —    | —    |
| Gastro Enteritis .. .. .     | —                                        | —    | 1    | 1    | —    |
| Inflammation of Lungs .. ..  | —                                        | 1    | —    | —    | —    |
| Intra-Cranial Haemorrhage .. | —                                        | 1    | 1    | 1    | 2    |
| Meningitis .. .. .           | —                                        | 2    | —    | —    | —    |
| All other causes .. .. .     | 1                                        | 1    | 2    | 2    | 3    |
| TOTALS .. .. .               | 16                                       | 19   | 13   | 22   | 13   |

# TABLE VI

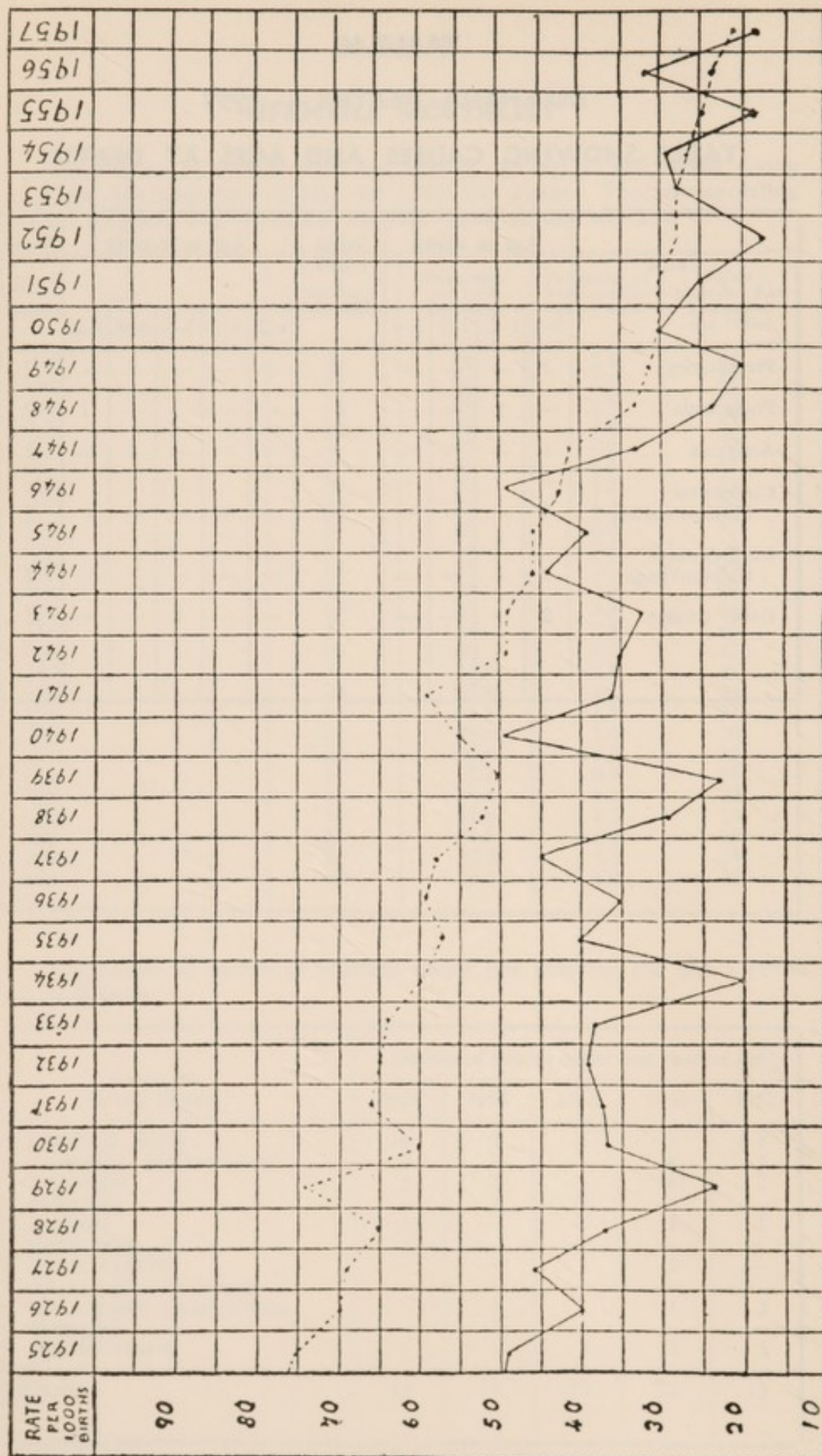
## INFANTILE DEATHS — 1957

### TABLE SHOWING CAUSES AND AGES AT DEATH

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



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, 1957, was 77,786, 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 13,044.

## 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 11.12.57, has been chemically examined as follows:—

#### CHEMICAL RESULTS IN PARTS PER MILLION

|                                    |                  |                                 |        |
|------------------------------------|------------------|---------------------------------|--------|
| Appearance .....                   | Clear and bright | Metals .....                    | Absent |
| Colour .....                       | Nil              | Turbidity .....                 | 11     |
| pH .....                           | 7.3              | Odour .....                     | Nil    |
| Electric Conductivity .....        | 460              | Free Carbon Dioxide .....       | 20     |
| Chlorine present as Chloride ..... | 25               | Total Solids .....              | 315    |
| Hardness : Total 235—              |                  | Alkalinity as Calcium Carbonate | 200    |
| Carbonate 200 ; Non-carbonate      | 35               | Nitrite Nitrogen .....          | Absent |
| Nitrate Nitrogen .....             | 6.0              | 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, and it contains no excess of salinity or mineral constituents in solution. 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.

20th December, 1957.

(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 48" Borehole Pump, Patching Pumping Station, received here on 9.1.57, has been chemically examined as follows:—

#### CHEMICAL RESULTS IN PARTS PER MILLION

|                                    |                                |                                 |             |
|------------------------------------|--------------------------------|---------------------------------|-------------|
| Appearance .....                   | Bright with very few particles | Albuminoid Nitrogen .....       | 0.000       |
| Colour .....                       | Nil                            | Metals .....                    | Absent      |
| pH .....                           | 7.3                            | Turbidity .....                 | Less than 3 |
| Electric Conductivity .....        | 420                            | Odour .....                     | Nil         |
| Chlorine present as Chloride ..... | 19                             | Free Carbon Dioxide .....       | 14          |
| Hardness: Total 230—               |                                | Total Solids .....              | 280         |
| Carbonate 195; Non-carbonate 35    |                                | Alkalinity as Calcium Carbonate | 195         |
| Nitrate Nitrogen .....             | 4.2                            | Nitrite Nitrogen .....          | Absent      |
| Ammoniacal Nitrogen .....          | 0.000                          | Oxygen Absorbed .....           | 0.10        |
|                                    |                                | 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, and it contains no excess of salinity or mineral constituents in solution. It is of the highest standard of organic quality.

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

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

16th January, 1957.

PUBLIC HEALTH LABORATORY,  
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

### Bacteriological Water Analysis

On sample marked 48" Borehole, Broadwater Pumping Station.

Lab. Ref. No. 231291.

Received 10.12.57.

Plate Count. 1 day at 37°C. .. .. less than 1.

---

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

---

Date of report, 12.12.57.

J. E. JAMESON,  
*Director.*



PUBLIC HEALTH LABORATORY,  
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

**Bacteriological Water Analysis**

On sample marked 48" Borehole, Patching Pumping Station.

Lab. Ref. No. 204435.

Received 8.1.57.

Plate Count. 2 days at 37°C.    ..    ..    less than 1.

---

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

---

Date of report, 10.1.57.

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 — 1957 (Corrected in Cases of Revised Diagnosis)**

|                                            | Under<br>1 year | 1  | 2  | 3  | 4  | 5-9 | 10-14 | 15-19 | 20-24 | 25-34 | 35-44 | 45-64 | 65<br>and<br>over | Total | Admitted<br>to<br>Isolation<br>Hospital |
|--------------------------------------------|-----------------|----|----|----|----|-----|-------|-------|-------|-------|-------|-------|-------------------|-------|-----------------------------------------|
| Scarlet Fever ...                          | —               | —  | —  | —  | 2  | 8   | 6     | —     | —     | —     | —     | —     | —                 | 16    | 9                                       |
| Diphtheria ...                             | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | —                 | —     | —                                       |
| Whooping Cough ...                         | 12              | 19 | 21 | 29 | 27 | 109 | 6     | 1     | —     | 1     | 3     | 1     | 1                 | 230   | 4                                       |
| Measles ...                                | —               | 13 | 22 | 18 | 25 | 106 | 11    | —     | 1     | 2     | 5     | —     | —                 | 203   | 3                                       |
| Pneumonia ...                              | —               | 1  | 1  | —  | —  | —   | —     | —     | 2     | 2     | 2     | 5     | 6                 | 19    | —                                       |
| Acute Poliomyelitis<br>(Paralytic) ...     | —               | 1  | —  | —  | —  | —   | 2     | —     | 1     | —     | —     | 1     | —                 | 5     | 5                                       |
| Acute Poliomyelitis<br>(Non-Paralytic) ... | —               | —  | —  | —  | —  | 1   | —     | —     | —     | —     | —     | —     | —                 | 1     | 1                                       |
| Typhoid Fever ...                          | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | —                 | —     | —                                       |
| Paratyphoid Fever ...                      | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | —                 | —     | —                                       |
| Dysentery ...                              | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | 1                 | 1     | —                                       |
| Ophthalmia Neonatorum ...                  | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | —                 | —     | —                                       |
| Puerperal Pyrexia ...                      | —               | —  | —  | —  | —  | —   | —     | 1     | —     | 1     | —     | —     | —                 | 2     | —                                       |
| Meningococcal Infection ...                | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | —     | —     | —                 | —     | —                                       |
| Erysipelas ...                             | —               | —  | —  | —  | —  | —   | —     | —     | —     | —     | 1     | —     | 7                 | 8     | 1                                       |
| Food Poisoning ...                         | —               | 1  | —  | —  | —  | —   | —     | —     | —     | —     | —     | 1     | 4                 | 6     | 1                                       |
|                                            | 12              | 35 | 44 | 47 | 54 | 224 | 25    | 2     | 4     | 6     | 11    | 8     | 19                | 491   | 24                                      |



## DIPHTHERIA

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

Immunisation before a child is 12 months old and a reinforcing injection at 5 years of age should still be considered an absolute rule for all.

## MEASLES

Notifications for the year numbered 203. No deaths occurred and only 3 cases needed hospital treatment.

## WHOOPING COUGH

Notifications for the year numbered 230, of which 4 cases were admitted to hospital. There were no deaths.

## SCARLET FEVER

The number of confirmed cases was 16, of which 9 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 6 confirmed cases during the year, 5 paralytic and one non-paralytic. Five of the cases were treated at Swandean Hospital and one at Foredown Hospital. Four paralytic cases made a complete recovery and one was transferred to the Royal National Orthopaedic Hospital, Stanmore.

### *Vaccination against Poliomyelitis*

At the end of December, 1957, a total of 1,385 children had been vaccinated. Details of the scheme are given on page 59 of the Report.

## INFLUENZA (ASIAN TYPE)

In common with other parts of the country this type of influenza reached epidemic proportions towards the end of the year. The number of working days lost and the nuisance value of the epidemic was high, but on the whole few cases of a severe nature were encountered.

## ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

### Swandean Hospital

|                                   |    |    |    |    |
|-----------------------------------|----|----|----|----|
| Scarlet fever                     | .. | .. | .. | 9  |
| Streptococcal sore throat         |    |    | .. | 1  |
| Measles                           | .. | .. | .. | 3  |
| Whooping Cough                    |    |    | .. | 4  |
| Mumps                             | .. | .. | .. | 1  |
| Erysipelas                        | .. | .. | .. | 1  |
| Acute poliomyelitis (paralytic)   |    |    | .. | 4  |
| "        "        (non-paralytic) |    |    | .. | 1  |
| Food Poisoning                    |    | .. | .. | 1  |
| Influenza                         | .. | .. | .. | 1  |
| Glandular fever                   |    | .. | .. | 2  |
| Gastro-enteritis                  |    | .. | .. | 1  |
| Acute broncho-pneumonia           |    |    | .. | 1  |
| Herpes zoster                     | .. | .. | .. | 1  |
| Observation cases                 |    | .. | .. | 8  |
|                                   |    |    |    | —  |
|                                   |    |    |    | 39 |

### Chichester Isolation Hospital

|                  |    |    |   |
|------------------|----|----|---|
| Observation case | .. | .. | 1 |
|------------------|----|----|---|

### Foredown Hospital

|                                 |    |    |   |
|---------------------------------|----|----|---|
| Acute poliomyelitis (paralytic) | .. | .. | 1 |
|---------------------------------|----|----|---|

## TUBERCULOSIS

32 cases of tuberculosis were added to the Register during 1957:—

|                    |    |                        |   |
|--------------------|----|------------------------|---|
| Pulmonary—Males .. | 17 | Non-Pulmonary—Males .. | 2 |
| Females ..         | 12 | Females ..             | 1 |
|                    | —  |                        | — |
|                    | 29 |                        | 3 |
|                    | —  |                        | — |

68 cases were removed from the Register, and 1 old case was restored.

### Tuberculosis Cases on the Register at 31st December, 1957 —

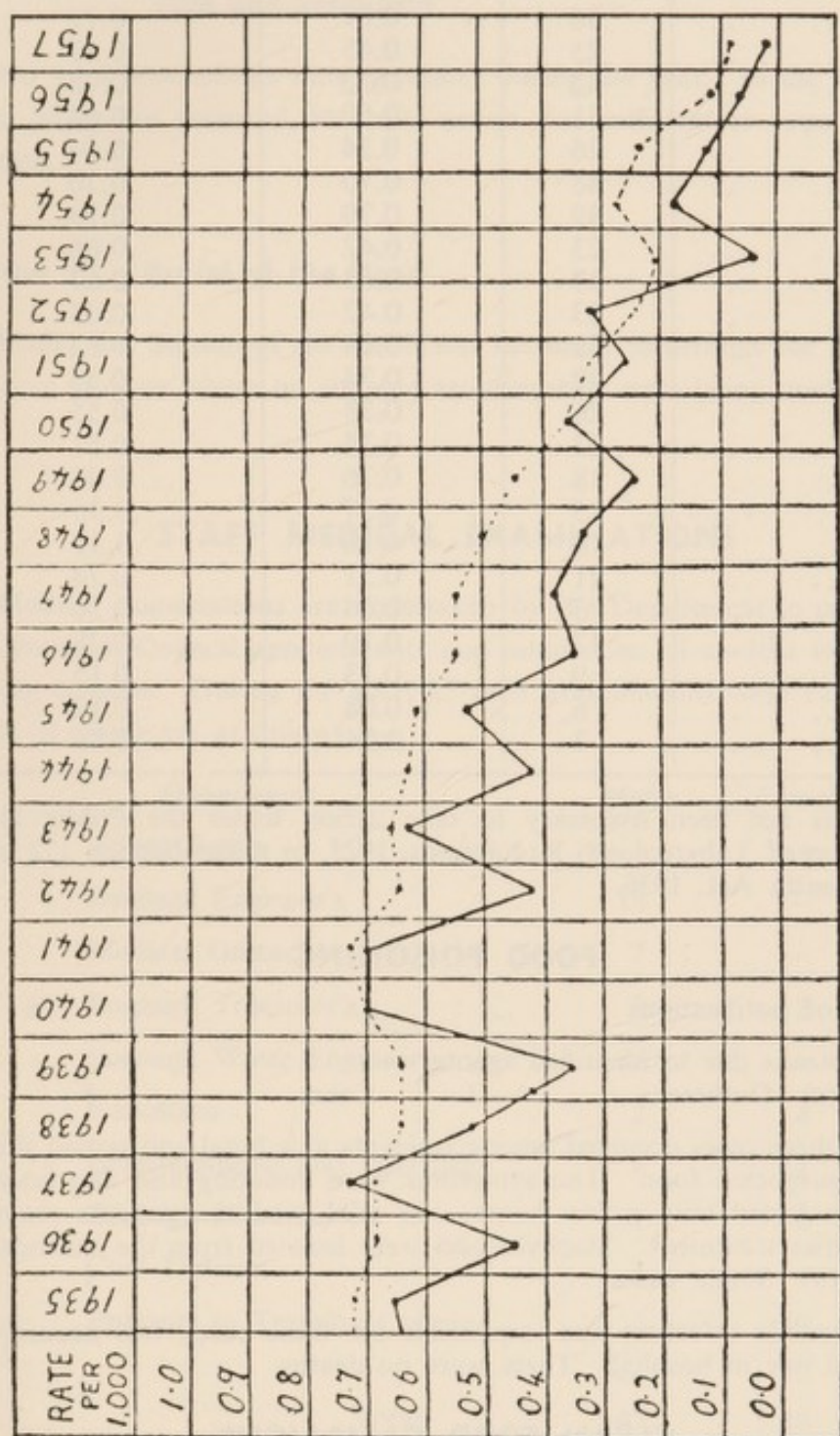
|                  | Males | Females | Total |
|------------------|-------|---------|-------|
| Pulmonary .. ..  | 222   | 181     | 403   |
| Non-pulmonary .. | 39    | 49      | 88    |
| Totals ..        | 261   | 230     | 491   |

### Table showing new cases in 1957 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 .. ..      | 1         | —  | —             | — | —         | — | —             | — |
| 5—14 „ .. ..         | —         | 1  | —             | — | —         | — | —             | — |
| 15—24 „ .. ..        | 4         | 1  | 1             | — | —         | — | —             | — |
| 25—34 „ .. ..        | —         | 3  | 1             | — | —         | — | —             | — |
| 35—44 „ .. ..        | 3         | 4  | —             | — | —         | — | —             | — |
| 45—54 „ .. ..        | 1         | 1  | —             | — | —         | — | —             | — |
| 55—64 „ .. ..        | 6         | —  | —             | 1 | —         | — | —             | — |
| 65 years and over .. | 2         | 2  | —             | — | 3         | — | —             | — |
| TOTALS .. ..         | 17        | 12 | 2             | 1 | 3         | — | —             | — |



CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1925



(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              |
| 1957 .. .. | 3      | 0.04                                   | 0.09              |

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

No. of notifications .. .. . 6

Outbreaks due to identified agents:—

(a) Outbreaks .. 1 Cases .. 3

The three cases occurred among residents at a hotel and potted shrimps was the suspected food. The symptoms were vomiting and diarrhoea but the illness lasted only a few hours, was mild, and the patients recovered quickly after treatment. Staphylococci were isolated from the shrimps.

(b) Single cases .. .. . 3

Salmonella infection was responsible for these cases, two occurring at home and one in hospital. 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 eleven persons where no suitable arrangements were being made.

### STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with Borough Council appointments and admissions of student teachers to training colleges. During the year, 85 such examinations were carried out, details of which are as follows:—

| <i>Department</i>                   | <i>Males</i> | <i>Females</i> |
|-------------------------------------|--------------|----------------|
| Town Clerk's .. ..                  | 1            | 4              |
| Borough Engineer's .. ..            | 18           | —              |
| Medical Officer's .. ..             | 7            | —              |
| Borough Treasurer's .. ..           | 7            | 2              |
| Borough Water Engineer's .. ..      | 4            | —              |
| Education .. ..                     | 2            | 4              |
| Entertainments and Publicity .. ..  | 1            | 1              |
| Borough Librarian's .. ..           | 1            | 8              |
| Civil Defence .. ..                 | 1            | —              |
| Entrants to Training Colleges .. .. | 5            | 19             |
|                                     | —            | —              |
| Total .. ..                         | 47           | 38             |
|                                     | —            | —              |

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1957 two 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                               | .. | .. | .. | .. | .. | 174   |
| Factories                            | .. | .. | .. | .. | .. | 475   |
| Bakehouses                           | .. | .. | .. | .. | .. | 69    |
| Restaurant Kitchens, Canteens        | .. | .. | .. | .. | .. | 304   |
| Dairies                              | .. | .. | .. | .. | .. | 33    |
| Ice Cream Premises                   | .. | .. | .. | .. | .. | 65    |
| Food Premises                        | .. | .. | .. | .. | .. | 1,754 |
| Schools                              | .. | .. | .. | .. | .. | 40    |
| Drainage                             | .. | .. | .. | .. | .. | 644   |
| Smoke Observations                   | .. | .. | .. | .. | .. | 20    |
| Shops Act                            | .. | .. | .. | .. | .. | 30    |
| Pest Destruction                     | .. | .. | .. | .. | .. | 182   |
| Merchandise Marks Act                | .. | .. | .. | .. | .. | 41    |
| Miscellaneous                        | .. | .. | .. | .. | .. | 677   |
| Re-visits to supervise repairs, etc. | .. | .. | .. | .. | .. | 995   |

332 Public Health nuisances or contraventions were recorded and 287 were remedied before the end of the year.

### SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING :—

#### Houses :

|                                             |    |    |    |    |    |    |
|---------------------------------------------|----|----|----|----|----|----|
| Roofs defective                             | .. | .. | .. | .. | .. | 55 |
| Rainwater conductors defective              | .. | .. | .. | .. | .. | 35 |
| Chimney stacks and external walls defective | .. | .. | .. | .. | .. | 38 |
| Verminous                                   | .. | .. | .. | .. | .. | 8  |
| Wall plaster defective                      | .. | .. | .. | .. | .. | 67 |
| Wall dampness                               | .. | .. | .. | .. | .. | 52 |
| Cooking ranges, fireplaces defective        | .. | .. | .. | .. | .. | 15 |
| Window frames or cords defective            | .. | .. | .. | .. | .. | 63 |
| Floors, staircases defective                | .. | .. | .. | .. | .. | 37 |
| Insanitary yards                            | .. | .. | .. | .. | .. | 9  |
| Vacant land insanitary                      | .. | .. | .. | .. | .. | 8  |

#### Drainage :

|                          |    |    |    |    |    |     |
|--------------------------|----|----|----|----|----|-----|
| Requiring reconstruction | .. | .. | .. | .. | .. | 28  |
| Defective condition      | .. | .. | .. | .. | .. | 45  |
| Choked                   | .. | .. | .. | .. | .. | 116 |
| W.C.'s defective         | .. | .. | .. | .. | .. | 26  |

## COMPLAINTS

1,024 complaints were received and investigated. They are classified as follows:—

|                            |    |    |    |    |    |     |
|----------------------------|----|----|----|----|----|-----|
| Housing, general defects   | .. | .. | .. | .. | .. | 59  |
| Dampness                   | .. | .. | .. | .. | .. | 46  |
| Overcrowding               | .. | .. | .. | .. | .. | 9   |
| Insanitary premises        | .. | .. | .. | .. | .. | 15  |
| Smoke nuisances            | .. | .. | .. | .. | .. | 16  |
| Vacant land—insanitary     | .. | .. | .. | .. | .. | 25  |
| Gardens—insanitary         | .. | .. | .. | .. | .. | 24  |
| Animals improperly kept    | .. | .. | .. | .. | .. | 7   |
| Drains or sewers choked    | .. | .. | .. | .. | .. | 100 |
| Defective drainage systems | .. | .. | .. | .. | .. | 29  |
| W.C.'s defective           | .. | .. | .. | .. | .. | 9   |
| Refuse bins                | .. | .. | .. | .. | .. | 5   |
| Smells                     | .. | .. | .. | .. | .. | 29  |
| Vermin                     | .. | .. | .. | .. | .. | 13  |
| Flies                      | .. | .. | .. | .. | .. | 18  |
| Wasps                      | .. | .. | .. | .. | .. | 55  |
| Cockroaches, etc.          | .. | .. | .. | .. | .. | 35  |
| Woodworm                   | .. | .. | .. | .. | .. | 8   |
| Rats                       | .. | .. | .. | .. | .. | 301 |
| Mice                       | .. | .. | .. | .. | .. | 179 |
| Rabbits                    | .. | .. | .. | .. | .. | 12  |
| Pigeons                    | .. | .. | .. | .. | .. | 3   |
| Miscellaneous              | .. | .. | .. | .. | .. | 27  |

Numerous complaints arise annually because of unneighbourly actions, such as excessive smoke from frequent bonfires, feeding wild pigeons, improper keeping of poultry and the dumping of refuse on vacant plots of land. Very few of these complaints constitute an offence which can be dealt with under public health legislation but they do cause much annoyance and unpleasantness amongst neighbours, whereas a little consideration would obviate needless provocation.

## HOUSING

### Slum Clearance

The Ministry's Inquiry was held in May and the whole of the properties represented were confirmed except for two shop properties (Broadwater Street East and Clifton Road) as follows:—

#### COMPULSORY PURCHASE ORDERS:

|              |    |    |    |               |
|--------------|----|----|----|---------------|
| Clifton Road | .. | .. | .. | 41 properties |
| High Street  | .. | .. | .. | 2 "           |

#### CLEARANCE ORDERS:

|                        |    |    |              |
|------------------------|----|----|--------------|
| Broadwater Street East | .. | .. | 9 properties |
| West Street            | .. | .. | 5 "          |
| South Street, Tarring  | .. | .. | 3 "          |

In addition to the above, the Scheme included 12 individual properties and 15 houses owned by the Worthing Corporation, making a total of 87 houses involving 202 persons.



## Housing Inspections

|                                                                                      |     |
|--------------------------------------------------------------------------------------|-----|
| Total number of dwelling-houses inspected (Public Health Act or Housing Act) .. .. . | 174 |
| No. of houses closed .. .. .                                                         | 6   |
| No. of houses repaired after informal notice ..                                      | 76  |
| <i>Action under Statutory Powers :</i>                                               |     |
| (a) Public Health Acts .. .. .                                                       | 7   |
| (b) Housing Act, 1957 .. .. .                                                        | 14  |
| Defects remedied by :                                                                |     |
| (a) Owner .. .. .                                                                    | 18  |
| (b) Corporation in default .. .. .                                                   | 3   |

THE RENT ACT, 1957

This Act came into operation in July, 1957, its main objects were:—

- (a) to decontrol houses over a certain rateable value ;
- (b) permit limited increases in rents of houses remaining under rent control and giving tenants the right to request landlords to carry out repairs. Where a landlord fails to give an undertaking to remedy defects, the tenant may apply to the local authority for a Certificate of Disrepair, the possession of which prevents the proposed rent increase.

It was rather surprising that far more use was not made of this Act by tenants.

The following details show the position after the Act had been in operation for six months.

Applications for Certificate of Disrepair:—

|                                |    |    |    |    |
|--------------------------------|----|----|----|----|
| No. of applications            | .. | .. | .. | 32 |
| No. of Certificates issued:—   | .. | .. | .. | 22 |
| (a) in respect of some defects | .. | .. | .. | 15 |
| (b) in respect of all defects  | .. | .. | .. | 7  |
| No. of Certificates refused    | .. | .. | .. | 2  |
| No. of Undertakings            | .. | .. | .. | 8  |

## PUBLIC HEALTH ACT, 1936 — CARAVANS

There is no licensed camping site within the Borough.

At the end of the year one caravan was controlled under annual licence.

## PREVENTION OF DAMAGE BY PESTS

## RODENT CONTROL

|                                                |          |
|------------------------------------------------|----------|
| No. of complaints—Rats .. .. .                 | 301      |
| Mice .. .. .                                   | 179      |
| No. of visits by Rodent Operators .. .. .      | 3,442    |
| No. of visits to Agricultural Premises .. .. . | 861      |
| No. of premises cleared from rodents .. .. .   | 428      |
| Amount of poison bait taken .. .. .            | 503 lbs. |

Work carried out on payment:—

|                                             |    |
|---------------------------------------------|----|
| Central & Local Government Premises—Rats .. | 19 |
| Mice ..                                     | 19 |
| Agricultural premises—Rats ..               | 19 |
| Other business premises—Rats ..             | 33 |
| Mice ..                                     | 54 |

Total revenue—£149 6s. 0d.

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



**INCIDENCE OF COMPLAINTS.**—Despite the progress made in rodent control there has been no reduction in the number of complaints relating to rat infestations and there has been a gradual increase during recent years in the number of mice complaints received; an experience common to most parts of the Country and the only explanation is that the “free service” has made householders more willing to report the sight of a rat or mouse.

It is interesting and encouraging to note however that considerably fewer serious infestations are found and a smaller quantity of poison is being consumed.

**SEWER RATS.** Two treatments of the sewers were carried out. 63 chambers were found to be rat infested during the winter treatment and 162 during the summer treatment. Nearly 4 cwt. of prebait or poison was laid.

801 chambers were baited, involving approximately 2,571 visits.

### OTHER PESTS

Advice or treatment was given in 131 cases as regards annoyance caused by wasps, woodworm, beetles, flies, moles, ants, pigeons, rabbits and adders.

At 81 premises disinfection treatment was carried out on payment, to destroy beetles (40), wasps' nests (34), and woodworm (7).

### DISINFECTION AND DISINFESTATION

1,450 articles fumigated by steam disinfection included the following:—

|                              |    |    |    |    |               |     |
|------------------------------|----|----|----|----|---------------|-----|
| Blankets                     | .. | .. | .. | .. | ..            | 105 |
| Sheets, etc.                 | .. | .. | .. | .. | ..            | 43  |
| Mattresses and feather beds  | .. | .. | .. | .. | ..            | 976 |
| Pillows, bolsters, cushions  | .. | .. | .. | .. | ..            | 271 |
| Quilts, eiderdowns, overlays | .. | .. | .. | .. | ..            | 47  |
| Carpets and rugs             | .. | .. | .. | .. | ..            | 4   |
| Miscellaneous                | .. | .. | .. | .. | ..            | 40  |
| Number of rooms disinfected  | .. | .. | .. | .. | ..            | 50  |
| Number of rooms disinfested  | .. | .. | .. | .. | ..            | 202 |
| Revenue received:—           |    |    |    |    |               |     |
| For disinfection             | .. | .. | .. | .. | £115 10s. 7d. |     |
| For disinfestation           | .. | .. | .. | .. | £89 8s. 5d.   |     |

### INFECTIOUS DISEASE

42 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 sources 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 .. .. .                     | 29                 | 48                    | 2               |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .. .. .                      | 238                | 439                   | 5               |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises). .. .. . | 22                 | 32                    | 5               |
| <b>TOTAL</b> .. .. .                                                                                                  | <b>289</b>         | <b>519</b>            | <b>12</b>       |

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) .. .. .                                                   | 8                                           | 3         | —                 | —                 |
| Overcrowding (S.2) .. .. .                                                          | —                                           | —         | —                 | —                 |
| Unreasonable temperature (S.3) .. .. .                                              | 3                                           | 1         | —                 | —                 |
| Inadequate ventilation (S.4) .. .. .                                                | 1                                           | —         | —                 | —                 |
| Ineffective drainage of floors (S.6) .. .. .                                        | —                                           | —         | —                 | —                 |
| Sanitary Conveniences (S.7)                                                         |                                             |           |                   |                   |
| (a) insufficient .. .. .                                                            | 4                                           | 1         | —                 | —                 |
| (b) unsuitable or defective .. .. .                                                 | 7                                           | 4         | —                 | —                 |
| (c) not separate for sexes .. .. .                                                  | 1                                           | —         | —                 | —                 |
| Other offences against the Act (not including offences relating to Outwork) .. .. . | 7                                           | 3         | 4                 | 5                 |
| <b>TOTAL</b> .. .. .                                                                | <b>31</b>                                   | <b>12</b> | <b>4</b>          | <b>5</b>          |

**OUTWORKERS.** Local firms employ 61 persons at work in their own homes within the Borough and 17 residing elsewhere. 4 Outworkers are employed by firms outside the County.

**FIRE ESCAPE.** Three Certificates of Adequate Means of Escape in Case of Fire were granted during the year, making a total of 69 operative within the Borough.

### SHOPS ACT, 1950—SEC. 38.

43 Certificates are in operation as regards exemption in respect of sanitary accommodation or washing facilities. Suitable alternative facilities are available in each case.



## RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Four 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) .. ..      | 57              | 3                |
| „ 39 (drainage and appliances) .. ..          | 41              | 3                |
| „ 44-45-46 (water closets) .. ..              | 13              | 2                |
| „ 75 (refuse bins) .. ..                      | 12              | 1                |
| Smoke Abatement .. ..                         | 6               |                  |
| Housing Act, 1957 .. ..                       | 83              | 10               |
| Food Hygiene Regulations .. ..                | 68              | 8                |
| Milk and Dairies Regulations .. ..            | 3               |                  |
| Prevention of Damage by Pests Act, 1949 .. .. | 14              |                  |
| Factories Acts, 1937-1948 .. ..               | 31              |                  |
| Total .. ..                                   | 328             | 27               |

Notices relating to insufficient or defective refuse bins

on reports by the Cleansing Superintendent .. 371

Sewers serving approximately 116 houses found to be in a defective or choked condition were repaired or cleansed by the Corporation.

13 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 10,838 animals (951 beasts, 1,304 calves, 2,940 sheep and 5,643 pigs) were slaughtered during the year.

551 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.



Seven 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 5½ 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 Carcasses:**

|        |    |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|----|
| Beasts | .. | .. | .. | .. | .. | .. | 8  |
| Calves | .. | .. | .. | .. | .. | .. | 17 |
| Sheep  | .. | .. | .. | .. | .. | .. | 8  |
| Pigs   | .. | .. | .. | .. | .. | .. | 45 |

**Offals:**

|                   |    |    | <i>Beasts</i> | <i>Calves</i> | <i>Sheep</i> | <i>Pigs</i> |
|-------------------|----|----|---------------|---------------|--------------|-------------|
| Heads and Tongues | .. | .. | 15            | —             | —            | 35          |
| Livers (or part)  | .. | .. | 146           | 2             | 65           | 503         |

**Carcases and Offal inspected and condemned in whole or in part**

|                                                                                                                 | Cattle<br>excl.<br>Cows | Cows | Calves | Sheep<br>and<br>Lambs | Pigs  | Horses |
|-----------------------------------------------------------------------------------------------------------------|-------------------------|------|--------|-----------------------|-------|--------|
| Number killed ... ..                                                                                            | 553                     | 398  | 1,304  | 2,940                 | 5,643 | —      |
| Number inspected ... ..                                                                                         | 553                     | 398  | 1,304  | 2,940                 | 5,643 | —      |
| <i>All diseases except Tuberculosis and Cysticerci:</i>                                                         |                         |      |        |                       |       |        |
| Whole carcasses condemned...                                                                                    | 1                       | 2    | 17     | 8                     | 43    | —      |
| Carcasses of which some part<br>or organ was condemned ...                                                      | 105                     | 146  | 2      | 65                    | 503   | —      |
| Percentage of the number<br>inspected affected with disease<br>other than tuberculosis and<br>cysticerci ... .. | 19.2                    | 37.2 | 1.4    | 2.5                   | 9.7   | —      |
| <i>Tuberculosis only:</i>                                                                                       |                         |      |        |                       |       |        |
| Whole carcasses condemned...                                                                                    | 1                       | 4    | —      | —                     | 2     | —      |
| Carcasses of which some part<br>or organ was condemned ...                                                      | 3                       | 21   | —      | —                     | 37    | —      |
| Percentage of the number<br>inspected affected with tuber-<br>culosis ... ..                                    | 0.7                     | 6.3  | —      | —                     | 0.7   | —      |
| <i>Cysticercosis:</i>                                                                                           |                         |      |        |                       |       |        |
| Carcasses of which some part<br>or organ was condemned ...                                                      | 1                       | —    | —      | —                     | —     | —      |
| Carcasses submitted to treat-<br>ment by refrigeration ...                                                      | 4                       | —    | —      | —                     | —     | —      |
| Generalised and totally con-<br>demned ... ..                                                                   | —                       | —    | —      | —                     | —     | —      |

## 2. Milk

488 samples were taken and the following is a synopsis of the types of examination and the results:—

### Examination for Bacterial Cleanliness.

| <i>Designation</i>                      | <i>No. taken</i> | <i>Unsatisfactory</i> |
|-----------------------------------------|------------------|-----------------------|
| Tuberculin Tested .. .. .               | 62               | 9                     |
| Tuberculin Tested (Pasteurised) .. .. . | 78               | —                     |
| Pasteurised .. .. .                     | 93               | —                     |

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

|                                                                           |    |
|---------------------------------------------------------------------------|----|
| To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk .. .. . | 25 |
| To Pasteurise .. .. .                                                     | 2  |
| To retail Pasteurised or Sterilised Milk .. .. .                          | 50 |
| Supplementary, Sterilised Milk .. .. .                                    | 1  |

**Examination for M. Tuberculosis and Brucella Abortus.** 181 supplies were examined. All were negative for M. Tuberculosis; 7 were positive for Brucella Abortus and 40 positive to the Brucella Ring test.

The following is a six year comparison table:—

|                              | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | Total |
|------------------------------|------|------|------|------|------|------|-------|
| No. of samples examined      | 155  | 178  | 189  | 161  | 181  | 181  | 1045  |
| M. Tuberculosis—Positive     | 2    | 2    | 4    | 1    | —    | —    | 9     |
| Brucella Ring—Positive       | 74   | 64   | 47   | 47   | 57   | 40   | 329   |
| Brucella Abortus—Positive    | 24   | 12   | 14   | 9    | 12   | 7    | 78    |
| Brucella Melitensis—Positive | 2    | 1    | —    | 1    | —    | —    | 4     |
| Result incomplete            | 7    | 4    | 10   | 21   | 13   | 12   | 67    |

Arrangements have been made for fewer of these samples to be taken next year.

**Examination to detect adulteration or abstraction.** 74 samples of milk were analysed, details of which are given on page 40.

## 3. Ice Cream

3 premises are registered for the manufacture of ice cream and 190 premises are registered for the storage and sale of ice cream, mostly prepacked.

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

|            |    |             |   |
|------------|----|-------------|---|
| Grade I .. | 10 | Grade II .. | 4 |
|------------|----|-------------|---|

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.

65 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 .. .. .             | ..                | .. | .. | 112 |              |
| Baked Beans .. .. .      | ..                | .. | .. | 97  |              |
| Brussel Sprouts .. .. .  | ..                | .. | .. | 14  |              |
| Potatoes .. .. .         | ..                | .. | .. |     | 31 cwt.      |
| Spinach .. .. .          | ..                | .. | .. | 14  |              |
| Carrots .. .. .          | ..                | .. | .. | 23  |              |
| Other vegetables .. .. . | ..                | .. | .. | 12  |              |
| Soup, tinned .. .. .     | ..                | .. | .. | 69  |              |
| squares .. .. .          | ..                | .. | .. | 328 |              |
| Meat, fresh .. .. .      | ..                | .. | .. |     | 440 lbs.     |
| tinned .. .. .           | ..                | .. | .. | 187 |              |
| ham, bacon .. .. .       | ..                | .. | .. |     | 68 lbs.      |
| Chickens, fresh .. .. .  | ..                | .. | .. |     | 75 lbs.      |
| Fish, wet .. .. .        | ..                | .. | .. |     | 322 lbs.     |
| tinned .. .. .           | ..                | .. | .. | 177 |              |
| Fruit, tinned .. .. .    | ..                | .. | .. | 213 |              |
| fresh .. .. .            | ..                | .. | .. |     | 6 cwt.       |
| Jam, etc .. .. .         | ..                | .. | .. | 35  |              |
| Tomatoes .. .. .         | ..                | .. | .. | 73  |              |
| Milk, tinned .. .. .     | ..                | .. | .. | 31  |              |
| Cheese .. .. .           | ..                | .. | .. |     | 32 lbs.      |
| Lemonade Powder .. .. .  | ..                | .. | .. | 10  |              |
| Eggs, frozen .. .. .     | ..                | .. | .. | 3   |              |
| Margarine .. .. .        | ..                | .. | .. |     | 25 lbs.      |
| Cakes .. .. .            | ..                | .. | .. |     | 23 lbs.      |
| Salad cream .. .. .      | ..                | .. | .. | 38  |              |

#### 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) 90 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.  
227 premises are registered for the manufacture, storage or sale of ice cream.  
17 premises are registered as dairies.
- (iii) 1,349 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 full operation on 1st July, 1956.

81 premises were inspected to ascertain whether the requirements of the Regulations were being observed, making a total of 658 since the Regulations came into operation. The premises included restaurants, cafes, food shops, canteens and hotel and boarding house kitchens. 68 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.

A summary of the defects found is shown below, also in brackets the totals of defects found since the Regulations came into operation:—

### *Absence of:*

|                              |    |    |    |    |       |
|------------------------------|----|----|----|----|-------|
| Adequate supply of hot water | .. | .. | .. | 41 | (264) |
| Wash hand basin              | .. | .. | .. | 27 | (181) |
| Towel, soap, requisites      | .. | .. | .. | 19 | (115) |
| First Aid equipment          | .. | .. | .. | 16 | (149) |
| Clothing accommodation       | .. | .. | .. | 2  | (57)  |
| "Wash hands" notice          | .. | .. | .. | 33 | (235) |
| Sink                         | .. | .. | .. | 3  | (16)  |

### *Defects, cleansing, etc.:*

|                                          |    |    |    |       |
|------------------------------------------|----|----|----|-------|
| Food rooms requiring re-decoration, etc. | .. | .. | 20 | (107) |
| Tables and equipment                     | .. | .. | 13 | (36)  |
| Improper storage of refuse               | .. | .. | 4  | (22)  |

### *Other contraventions:*

|                                          |    |    |   |      |
|------------------------------------------|----|----|---|------|
| Lighting or ventilation unsatisfactory   | .. | .. | 2 | (7)  |
| Sleeping room vents into food room       | .. | .. | 2 | (6)  |
| Smoking offences                         | .. | .. | 2 | (8)  |
| Vans and stalls (various contraventions) | .. | .. | 9 | (26) |

In seven cases it was necessary to report to the Health Committee the failure of tradesmen to comply with Regulation requirements, viz. three hoteliers, one butcher, one cake confectioner, one fishmonger and one grocer. No court proceedings were necessary.

*Complaints relating to unclean food :*

13 complaints were received and appropriate action was taken in respect of:—

|                                         |   |
|-----------------------------------------|---|
| Milk—dirty bottle .. .. .               | 1 |
| Milk—glass, etc., within bottle .. .. . | 2 |
| Orange Squash—insect in bottle .. .. .  | 1 |
| Bread—containing foreign matter .. .. . | 2 |
| Cakes—contaminated by maggots .. .. .   | 1 |
| Cakes—mouldy .. .. .                    | 1 |
| Meat Pies—mouldy .. .. .                | 2 |
| Meat Sausage Rolls—mouldy .. .. .       | 1 |
| Sugar—contaminated by mice .. .. .      | 1 |
| Chickens—decomposed .. .. .             | 2 |
| Soup Powder .. .. .                     | 1 |

### FOOD AND DRUGS ACT, 1955

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

| <i>Description</i>             | <i>No.<br/>Analysed</i> |
|--------------------------------|-------------------------|
| Milk, Pasteurised .. .. .      | 19                      |
| Milk, Channel Island .. .. .   | 23                      |
| Milk, T.T. Pasteurised .. .. . | 5                       |
| „ Sterilised .. .. .           | 1                       |
| „ Raw .. .. .                  | 11                      |
| Cream .. .. .                  | 15                      |

Two samples of churn raw milk were deficient in fat, 7.3% and 3.3%.

One sample of bottled Pasteurised milk was 13.3% deficient in fat.

Subsequent samples proved to be genuine in each case.

All other samples were genuine.

**ANNUAL REPORT**  
**of the**  
**Meteorological Observations**  
**for 1957**



## METEOROLOGICAL OBSERVATIONS FOR THE YEAR 1957

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 1957

Total amount of bright sunshine: 1,836.4 hours.  
Number of days with sunshine: 307.  
Rainfall: 25.30 inches.  
Number of rain-days (.01 inch or more): 162.  
Number of wet days (.04 inch or more): 113.  
Highest barometric reading: 30.711 inches on January 11th.  
Lowest reading: 28.886 inches on December 11th.  
Warmest days: June 15th and 16th (82°).  
Coldest nights: December 17th and 18th (25°).  
Coldest days: January 14th, December 16th (37°).  
Warmest night: July 3rd (65°).  
Warmest month (by day): July (average temperature 69°).  
Coldest month (by night): December (average temperature 37°).  
Mean Temperature: 51.9°.  
Mean relative humidity: at 9 a.m. 79.2%.  
Lowest temperature on the grass: 20° on February 21st.  
Wettest day: November 3rd (1.27 inches).  
Sunniest day: June 13th (15.5 hours).  
Number of days snow or sleet fell: 1  
Number of days hail fell: 3.  
Number of days thunder heard: 12.  
Number of ground frosts: 43.  
Number of days with wind at gale force: 6.  
Number of days with fog: 5.

### BRIGHT SUNSHINE

The duration of bright sunshine for the year was 1,836.4 hours.

This amount is 41.0 per cent. of the time during which the sun was above the horizon, giving a daily mean of 5.03 hours. The average yearly sunshine for the previous ten years was 1,873.8 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 June 13th, when 15.5 hours were recorded.

June, with 327.1 hours, was the sunniest month, and January with 70.7 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 1957 was 25.30 inches. This amount is 2.13 inches below the Normal and 1.73 inches below the previous ten years' average.

The month of April was the driest with 0.10 inch, falling below the Normal amount by 1.47 inches. It was the driest April since 1912. February was the wettest month with 4.26 inches, this amount being 2.29 inches above the Normal. The heaviest day's rainfall was 1.27 inches on November 3rd. There were 162 days on which 0.01 inch or more rain fell, compared with 153 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 11.54 inches, compared with an average summer rainfall for the previous ten years of 11.93 inches.

**WINTER RAINFALL.** Total for six months (October 1st to March 31st, 1957/8) was 15.03 inches, compared with an average winter rainfall for the previous ten years of 14.74 inches.

## HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 79.2%, compared with the previous five years' average of 81.1%.

## BAROMETER

The mean barometric reading for the year was 30.018 inches (when reduced to sea level and to a temperature of 32° Fahr.), the average for the previous five years being 30.029 inches. The highest reading for the year was 30.711 inches on January 11th, and the lowest reading was 28.886 inches on December 11th. The absolute range for the year was 1.825 inches and the average range for the previous five years 1.939 inches.

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

## TEMPERATURE

The mean temperature for the year was 51.9° Fahr. which is 0.9° above the Normal. Since 1881 the warmest year was 1949 with a mean temperature of 52.8°. The highest shade temperature for 1957 was 82° recorded on June 15th and 16th, and the lowest 25° on December 17th and 18th. The extreme range of temperature was 57° compared with the average range of 58° for the previous five years. The temperature on the grass fell below 30.4° on 43 nights. The lowest temperature on the grass was 20° during the night of February 21st.



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

| Below   | Highest | Date                          | Lowest | Date                           |
|---------|---------|-------------------------------|--------|--------------------------------|
| Surface |         |                               |        |                                |
| 1 ft.   | 68.5°   | July 6th                      | 37.6°  | January 18th                   |
| 4 ft.   | 62.6°   | August 9th                    | 45.0°  | January 22nd,<br>23rd and 24th |
| 6 ft.   | 60.0°   | August 12th-20th<br>inclusive | 46.4°  | March 9th                      |

### WIND

Percentages of direction of wind from 730 observations taken at 9 a.m. and 6 p.m. throughout the year:—

|      | 9 a.m. | 6 p.m. |      | 9 a.m. | 6 p.m. |
|------|--------|--------|------|--------|--------|
|      | %      | %      |      | %      | %      |
| N.   | 10.2   | 7.7    | S.   | 7.6    | 4.9    |
| N.E. | 18.6   | 16.2   | S.W. | 22.8   | 29.1   |
| E.   | 5.2    | 4.1    | W.   | 11.2   | 15.4   |
| S.E. | 8.2    | 7.7    | N.W. | 16.2   | 14.9   |
| Calm | —      | —      |      |        |        |

TABLE 1 — CLOUD AND HUMIDITY

| Month.          | Cloud Amount<br>Scale 1-8 |        | Mean Relative<br>Humidity | Mean Humidity<br>previous 5 years<br>1952-1956 |
|-----------------|---------------------------|--------|---------------------------|------------------------------------------------|
|                 | 9 a.m.                    | 6 p.m. | 9 a.m.                    | 9 a.m.                                         |
| January .. ..   | 5                         | 6      | %<br>19                   | %<br>88                                        |
| February .. ..  | 5                         | 5      | 87                        | 87                                             |
| March .. ..     | 6                         | 5      | 87                        | 83                                             |
| April .. ..     | 5                         | 5      | 70                        | 75                                             |
| May .. ..       | 5                         | 4      | 71                        | 73                                             |
| June .. ..      | 3                         | 3      | 69                        | 77                                             |
| July .. ..      | 5                         | 5      | 78                        | 76                                             |
| August .. ..    | 5                         | 5      | 75                        | 78                                             |
| September .. .. | 7                         | 5      | 80                        | 80                                             |
| October .. ..   | 5                         | 5      | 83                        | 84                                             |
| November .. ..  | 5                         | 6      | 78                        | 86                                             |
| December .. ..  | 5                         | 5      | 82                        | 90                                             |
| Year 1957 ..    | 5                         | 5      | 79                        | Yearly average<br>81                           |

TABLE 2 — BRIGHT SUNSHINE — 1957

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> |
|----------------|----|----|----|----|-------------------------|
| Littlehampton  | .. | .. | .. | .. | 1867.5                  |
| Hankham        | .. | .. | .. | .. | 1859.4                  |
| Bognor Regis   | .. | .. | .. | .. | 1844.0                  |
| WORTHING       | .. | .. | .. | .. | 1836.4                  |
| Bournemouth    | .. | .. | .. | .. | 1827.5                  |
| Eastbourne     | .. | .. | .. | .. | 1822.4                  |
| Seaford        | .. | .. | .. | .. | 1811.5                  |
| Brighton       | .. | .. | .. | .. | 1807.7                  |
| Margate        | .. | .. | .. | .. | 1807.4                  |
| Hastings       | .. | .. | .. | .. | 1786.5                  |
| Portsmouth     | .. | .. | .. | .. | 1767.5                  |
| Folkestone     | .. | .. | .. | .. | 1760.3                  |
| Ramsgate       | .. | .. | .. | .. | 1756.2                  |
| Dover          | .. | .. | .. | .. | 1749.3                  |
| Bexhill        | .. | .. | .. | .. | 1728.2                  |
| Whitstable     | .. | .. | .. | .. | 1674.6                  |
| Southampton    | .. | .. | .. | .. | 1637.1                  |
| Herne Bay      | .. | .. | .. | .. | 1634.8                  |

TABLE 3 — BRIGHT SUNSHINE

| Month                          | Total<br>Hours<br>Bright<br>Sunshine | Average<br>for 30<br>years<br>1921-1950 | Hours<br>Daily<br>Mean | Percentage<br>of average<br>% | Days<br>with<br>Sunshine | Most in<br>one day<br>Hours | Monthly Totals |        |              |
|--------------------------------|--------------------------------------|-----------------------------------------|------------------------|-------------------------------|--------------------------|-----------------------------|----------------|--------|--------------|
|                                |                                      |                                         |                        |                               |                          |                             | Highest        | Lowest | Year         |
| January ..                     | 70.7                                 | 67                                      | 2.28                   | 105                           | 20                       | 7.5                         | 109.9          | 34.5   | 1912         |
| February ..                    | 93.1                                 | 83                                      | 3.33                   | 114                           | 20                       | 8.5                         | 140.3          | 29.8   | 1947         |
| March ..                       | 117.7                                | 147                                     | 3.80                   | 80                            | 27                       | 10.9                        | 220.8          | 95.3   | 1916         |
| April ..                       | 190.0                                | 182                                     | 6.53                   | 105                           | 26                       | 11.8                        | 267.2          | 105.3  | 1905         |
| May ..                         | 243.5                                | 232                                     | 7.86                   | 105                           | 31                       | 14.8                        | 353.1          | 148.9  | 1932         |
| June ..                        | 327.1                                | 243                                     | 10.90                  | 134                           | 29                       | 15.5                        | 327.1          | 143.5  | 1909         |
| July ..                        | 186.9                                | 232                                     | 6.03                   | 81                            | 31                       | 12.6                        | 369.0          | 133.8  | 1944         |
| August ..                      | 205.7                                | 219                                     | 6.64                   | 94                            | 30                       | 13.7                        | 298.4          | 112.6  | 1912         |
| September ..                   | 131.5                                | 169                                     | 4.38                   | 78                            | 25                       | 10.6                        | 262.6          | 97.1   | 1945         |
| October ..                     | 120.7                                | 125                                     | 3.89                   | 97                            | 28                       | 9.8                         | 181.6          | 81.9   | 1915         |
| November ..                    | 76.3                                 | 76                                      | 2.54                   | 100                           | 19                       | 8.0                         | 131.3          | 44.4   | 1934         |
| December ..                    | 73.2                                 | 63                                      | 2.36                   | 116                           | 21                       | 7.6                         | 96.0           | 22.3   | 1956         |
| Year 1957 ..                   | 1836.4                               | 1838                                    | 5.03                   | 99.9                          | 307                      | 15.5                        | 369.0          | 22.3   | Dec.<br>1956 |
| Highest and Lowest Year Totals |                                      |                                         |                        |                               |                          |                             | 2141.0         | 1600.2 | 1913         |



TABLE 4 — BRIGHT SUNSHINE

| Year                                 | Campbell-Stokes<br>Recorder<br>Bright Sunshine<br>Hours | Bright<br>Sunshine<br>Days | Sunniest Days  |       |
|--------------------------------------|---------------------------------------------------------|----------------------------|----------------|-------|
|                                      |                                                         |                            | Day            | Hours |
| 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  |
| 1957                                 | 1836.4                                                  | 307                        | June 13th      | 15.5  |
| Average for<br>20 years<br>1937—1956 | 1829.9                                                  | 310                        |                |       |

TABLE 5 — RAINFALL

| 1957         | Total Rainfall | 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 |                 |
| January ..   | ins. 1.87      | ins. -0.45                 | ins. 0.55                                  | 17                  | 12              | 17              |
| February ..  | 4.26           | +2.29                      | 0.88                                       | 20                  | 17              | 20              |
| March ..     | 1.37           | -0.59                      | 0.24                                       | 14                  | 9               | 14              |
| April .. ..  | 0.10           | -1.47                      | 0.05                                       | 3                   | 1               | 3               |
| May .. ..    | 0.86           | -0.79                      | 0.25                                       | 11                  | 5               | 11              |
| June .. ..   | 1.59           | -0.14                      | 0.51                                       | 9                   | 7               | 9               |
| July .. ..   | 3.89           | +1.85                      | 0.46                                       | 19                  | 15              | 19              |
| August ..    | 1.97           | -0.27                      | 0.65                                       | 14                  | 10              | 14              |
| September .. | 3.13           | +1.07                      | 0.80                                       | 19                  | 12              | 19              |
| October ..   | 1.51           | -2.11                      | 0.54                                       | 12                  | 8               | 12              |
| November ..  | 2.96           | -0.22                      | 1.27                                       | 7                   | 5               | 7               |
| December ..  | 1.79           | -1.24                      | 0.36                                       | 17                  | 12              | 17              |
| Year .. ..   | 25.30          | -2.13                      | 1.27                                       | 162                 | 113             | 162             |

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  |
| 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 |
| 1956                 | 24.08              | 148                                       | 0.97                   | 4th September  |
| Average for 20 years | 26.98              | 151                                       | 2.05                   | 10th July 1945 |
| 1957                 | 25.30              | 162                                       | 1.27                   | 3rd November   |



TABLE 7 — BAROMETRIC PRESSURE AND TEMPERATURE

| 1957      | Barometric Pressure<br>(Reduced to Sea Level<br>and 32° Fahr.) |           |        | Air Temperature in Screen |           |                     |                              |          |      |
|-----------|----------------------------------------------------------------|-----------|--------|---------------------------|-----------|---------------------|------------------------------|----------|------|
|           | Mean<br>Inches.                                                | Extremes. |        | Means of                  |           | Mean<br>of<br>A & B | Difference<br>from<br>Normal | Extremes |      |
|           |                                                                | Highest   | Lowest | A<br>Max.                 | B<br>Min. |                     |                              | Max.     | Min. |
| January   | 30.161                                                         | 30.711    | 29.622 | 46.4                      | 38.5      | 42.5                | +1.6                         | 51       | 31   |
| February  | 29.728                                                         | 30.524    | 28.908 | 47.8                      | 39.6      | 43.7                | +2.8                         | 52       | 30   |
| March     | 29.934                                                         | 30.300    | 29.475 | 52.8                      | 45.0      | 48.9                | +5.1                         | 57       | 33   |
| April     | 30.196                                                         | 30.458    | 29.880 | 55.6                      | 43.7      | 49.7                | +1.7                         | 67       | 34   |
| May       | 30.075                                                         | 30.311    | 29.601 | 58.7                      | 46.0      | 52.3                | —1.2                         | 65       | 36   |
| June      | 30.053                                                         | 30.567    | 29.699 | 68.5                      | 53.6      | 61.1                | +2.0                         | 82       | 46   |
| July      | 29.959                                                         | 30.324    | 29.568 | 69.5                      | 58.9      | 64.2                | +1.7                         | 78       | 53   |
| August    | 29.951                                                         | 30.398    | 29.217 | 68.0                      | 56.3      | 62.1                | —0.5                         | 74       | 48   |
| September | 29.972                                                         | 30.361    | 29.477 | 63.6                      | 52.4      | 58.0                | —1.4                         | 70       | 37   |
| October   | 30.088                                                         | 30.377    | 29.596 | 59.8                      | 49.2      | 54.5                | +1.6                         | 65       | 39   |
| November  | 30.117                                                         | 30.548    | 29.091 | 49.2                      | 41.4      | 45.3                | —0.9                         | 57       | 34   |
| December  | 29.982                                                         | 30.503    | 28.886 | 46.5                      | 37.2      | 41.9                | +0.1                         | 53       | 25   |
| Year 1957 | 30.018                                                         | 30.711    | 28.886 | 57.0                      | 47.0      | 52.0                | +1.0                         | 82       | 25   |

TABLE 8 — WINDS

| Month.       | 9 a.m. OBSERVATIONS.—DIRECTION. |      |    |      |    |      |    |      |      |
|--------------|---------------------------------|------|----|------|----|------|----|------|------|
|              | N.                              | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Calm |
| January ..   | 1                               | 6    | 0  | 0    | 2  | 12   | 4  | 6    | —    |
| February ..  | 2                               | 1    | 0  | 4    | 5  | 7    | 5  | 4    | —    |
| March ..     | 0                               | 1    | 4  | 9    | 3  | 8    | 6  | 0    | —    |
| April ..     | 5                               | 14   | 2  | 4    | 1  | 2    | 0  | 2    | —    |
| May ..       | 3                               | 10   | 2  | 1    | 5  | 8    | 0  | 2    | —    |
| June ..      | 3                               | 8    | 1  | 3    | 2  | 9    | 1  | 3    | —    |
| July ..      | 0                               | 3    | 1  | 2    | 2  | 9    | 7  | 7    | —    |
| August ..    | 4                               | 1    | 2  | 2    | 3  | 6    | 5  | 8    | —    |
| September .. | 4                               | 1    | 1  | 3    | 2  | 7    | 5  | 7    | —    |
| October ..   | 2                               | 7    | 3  | 0    | 0  | 7    | 4  | 8    | —    |
| November ..  | 7                               | 8    | 1  | 1    | 0  | 3    | 2  | 8    | —    |
| December ..  | 6                               | 8    | 2  | 1    | 3  | 5    | 2  | 4    | —    |
| Year 1957 .. | 37                              | 68   | 19 | 30   | 28 | 83   | 41 | 59   | —    |

| Month.       | 6 p.m. OBSERVATIONS.—DIRECTION. |      |    |      |    |      |    |      |      |
|--------------|---------------------------------|------|----|------|----|------|----|------|------|
|              | N.                              | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Calm |
| January ..   | 1                               | 6    | 0  | 0    | 1  | 12   | 4  | 7    | —    |
| February ..  | 1                               | 1    | 0  | 3    | 3  | 9    | 6  | 5    | —    |
| March ..     | 0                               | 0    | 5  | 6    | 1  | 14   | 4  | 1    | —    |
| April ..     | 3                               | 13   | 1  | 2    | 2  | 6    | 1  | 2    | —    |
| May ..       | 4                               | 7    | 0  | 5    | 3  | 8    | 3  | 1    | —    |
| June ..      | 3                               | 9    | 0  | 3    | 3  | 6    | 5  | 1    | —    |
| July ..      | 1                               | 1    | 0  | 4    | 0  | 10   | 8  | 7    | —    |
| August ..    | 0                               | 1    | 2  | 1    | 2  | 12   | 6  | 7    | —    |
| September .. | 3                               | 1    | 1  | 1    | 0  | 9    | 7  | 8    | —    |
| October ..   | 1                               | 4    | 2  | 2    | 0  | 10   | 6  | 6    | —    |
| November ..  | 8                               | 7    | 2  | 1    | 1  | 4    | 1  | 6    | —    |
| December ..  | 3                               | 9    | 2  | 0    | 2  | 6    | 6  | 3    | —    |
| Year 1957 .. | 28                              | 59   | 15 | 28   | 18 | 106  | 57 | 54   | —    |

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. |    |    |    |    |    |    |    |
| January ..   | —      | —      | 1      | —      | —      | 3            | 2      | 3      | 4      | 3               | 6      | 14     | 11     | 6      | 2  | 1  | 1  | —  | —  | 1  |    |
| February ..  | —      | —      | —      | —      | 2      | —            | 2      | 1      | 4      | 9               | 5      | 2      | 8      | 2      | 5  | 4  | 1  | —  | 2  | 3  |    |
| March ..     | —      | —      | —      | —      | —      | 1            | 5      | 2      | 5      | 6               | 3      | 9      | 5      | 4      | 7  | 5  | 5  | 2  | —  | 1  |    |
| April ..     | —      | —      | —      | —      | 1      | —            | 2      | 3      | 2      | 2               | 1      | 1      | 3      | 6      | 7  | 6  | 11 | 5  | 1  | 2  |    |
| May ..       | —      | —      | —      | —      | —      | —            | 1      | —      | —      | —               | 2      | —      | 1      | 6      | 10 | 14 | 4  | 1  | 3  | 9  |    |
| June ..      | —      | —      | —      | —      | —      | —            | —      | —      | 1      | 2               | —      | 4      | 3      | 6      | 5  | 5  | 6  | 5  | 4  | 8  |    |
| July ..      | —      | —      | —      | —      | —      | —            | —      | —      | —      | 1               | 2      | 3      | 3      | 7      | 9  | 14 | 7  | 1  | 5  | 5  |    |
| August ..    | —      | —      | —      | —      | —      | —            | —      | —      | 1      | 3               | 3      | 4      | —      | 8      | 10 | 11 | 7  | 2  | 2  | 8  |    |
| September .. | —      | —      | —      | —      | —      | —            | 1      | 2      | 2      | —               | 1      | 5      | 4      | 10     | 8  | 7  | 6  | 3  | 2  | 1  |    |
| October ..   | —      | —      | —      | —      | —      | —            | —      | 1      | 5      | 7               | 6      | 4      | 3      | 6      | 6  | 7  | 6  | —  | —  | 3  |    |
| November ..  | —      | —      | —      | —      | —      | —            | 1      | 4      | 10     | 11              | 4      | 3      | 6      | 2      | 1  | 4  | 1  | —  | 2  | 3  |    |
| December ..  | —      | —      | —      | —      | 1      | 1            | 5      | 4      | —      | 4               | 6      | 3      | 9      | 7      | 5  | 4  | 3  | 4  | 1  | —  |    |
| Year 1957 .. | —      | —      | 1      | —      | 4      | 2            | 20     | 19     | 32     | 40              | 40     | 35     | 51     | 59     | 77 | 75 | 87 | 50 | 15 | 23 |    |
|              |        |        |        |        |        |              |        |        |        |                 |        |        |        |        |    |    |    |    |    | 38 | 62 |



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          | 43 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          | 1½ miles        | Poor                      | Tarring Church Tower                         | " "                 | N.W.    |
| H      | 2½ miles          | 2½ miles        | Moderate                  | Top of High Salvington Hill                  | " "                 | N.W.    |
| I      | 4½ miles          | 4½ 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      | 18½ miles         | 18½ miles       | Excellent                 | Selsey Bill                                  | " "                 | W.S.W.  |
| M      | 25 miles          | 27 miles        | Abnormal                  | Beachy Head                                  | " "                 | E.S.E.  |

TABLE 10 — CLIMATE OF WORTHING — 1900 - 1957

| Year    | Temperatures |      |      |       |      |          |      | Rainfall                      |                                   | Sunshine                      | Year    |
|---------|--------------|------|------|-------|------|----------|------|-------------------------------|-----------------------------------|-------------------------------|---------|
|         | Means        |      |      |       |      | Extremes |      | Amount<br>at Observ-<br>atory | Number<br>of days<br>rain<br>fell | Number<br>of hours<br>in year |         |
|         | 9 a.m.       | Min. | Max. | Range | Mean | Min.     | Max. |                               |                                   |                               |         |
|         | Degrees      |      |      |       |      |          |      | Inches                        |                                   |                               |         |
| 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 | 83                            | 139                               | 1791.7                        | .. 1941 |
| 1942 .. | 50.0         | 44.8 | 55.3 | 10.5  | 50.5 | 19.0     | 83.0 | 52                            | 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 |
| 1957 .. | 52.2         | 46.8 | 57.1 | 10.3  | 51.9 | 30.0     | 82.0 | 25.30                         | 162                               | 1836.4                        | .. 1957 |



# 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.

1,270 infants and children made a total of 8,595 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 521, equivalent to 77.3 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                 | .. | .. | .. | .. | 32  |
| New cases                      | .. | .. | .. | .. | 90  |
| Total attendances              | .. | .. | .. | .. | 197 |
| Average attendance per session | .. | .. | .. | .. | 6.2 |

##### Midwives' Clinic:

|                   |    |    |    |    |     |
|-------------------|----|----|----|----|-----|
| No. of clinics    | .. | .. | .. | .. | 46  |
| New cases         | .. | .. | .. | .. | 145 |
| Total attendances | .. | .. | .. | .. | 578 |

##### Ante-Natal Relaxation Exercises Clinic:

|                   |    |    |    |    |     |
|-------------------|----|----|----|----|-----|
| New cases         | .. | .. | .. | .. | 52  |
| Total attendances | .. | .. | .. | .. | 297 |



## 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 ... | 9        | 6                 | 5       | 4                 |
| Children under five ... ..        | 157      | 71                | 67      | 64                |

### (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 | 19          | 2                    | 6        | -                                     | -                        | -                | -           | 2                 | 1       |
| Children under five           | 44          | 14                   | 251      | -                                     | 14                       | -                | -           | -                 | -       |

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-two 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 .. .. .         | .. | .. | .. | 157   |
| as maternity nurse .. .. . | .. | .. | .. | 59    |
| Analgesia administered—    |    |    |    |       |
| as midwife .. .. .         | .. | .. | .. | 119   |
| as maternity nurse .. .. . | .. | .. | .. | 53    |
| Pethidine administered—    |    |    |    |       |
| as midwife .. .. .         | .. | .. | .. | 79    |
| as maternity nurse .. .. . | .. | .. | .. | 48    |
| Nursings—                  |    |    |    |       |
| as midwife .. .. .         | .. | .. | .. | 3,399 |
| as maternity nurse .. .. . | .. | .. | .. | 409   |
| Ante-natal visits .. .. .  | .. | .. | .. | 1,718 |

*Notification of Births.* 677 live births and 20 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 .. .. .      | .. | .. | 385   |
| First visits to infants under 1 year of age .. .. .     | .. | .. | 653   |
| Re-visits to infants under 1 year of age .. .. .        | .. | .. | 2,285 |
| Children 1-5 years—total visits .. .. .                 | .. | .. | 3,502 |
| Infectious disease visits .. .. .                       | .. | .. | 87    |
| Tuberculosis visits .. .. .                             | .. | .. | 116   |
| Visits to aged and infirm persons .. .. .               | .. | .. | 724   |
| Visits in connection with domestic help service .. .. . | .. | .. | 467   |
| Other visits .. .. .                                    | .. | .. | 100   |
| Total No. of families or households visited .. .. .     | .. | .. | 2,448 |

## 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, 16 full-time and 5 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 .. .. . | .. | .. | 2,353  |
| No. of visits paid by Home Nurses .. .. .    | .. | .. | 68,016 |



## 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 ...      | 315     | 27 | 27     | 36      | 44         | 449   |
| Number re-vaccinated ...   | —       | —  | 7      | 51      | 284        | 342   |

#### (b) Poliomyelitis

The poliomyelitis vaccination scheme, limited in 1956 to children between two and nine years of age, was extended in 1957 to include all children between the ages of six months and fourteen years. During the year 782 children were vaccinated at the Clinics and 469 by private doctors. At the end of December, 1957, a total of 1,385 children had been vaccinated.

At the time of writing this Report the position has completely changed owing to supplies of Salk vaccine being imported from the United States and Canada. Up to the end of June, 1958, a total of 4,299 children had been vaccinated.

#### (c) Influenza (Asian Type)

During the year the Ministry of Health issued a vaccine designed to give protection against Asian type influenza for the use of Hospital staff, General Practitioners and Local Health Authority staff who care for the sick in their own homes. A total of 55 persons were vaccinated at the Central Clinic.

### *Diphtheria Immunisation :*

During the year, 468 children under five years and 9 children aged five to fifteen years were immunised. 59 were immunised at the Clinics and 418 by private doctors. In addition 253 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 7,941 patients, covering a total distance of 66,837 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 116 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>Tuberculosis Cases</i> | <i>Chronic Sick inc. aged &amp; infirm Cases</i> | <i>Other Cases</i> | <i>Total</i> |
|-------------------------------------------------------------------------------------|------------------------|---------------------------|--------------------------------------------------|--------------------|--------------|
| (a) No. of cases receiving assistance at 1st January, 1957 ... ..                   | 6                      | 7                         | 236                                              | 38                 | 287          |
| (b) No. of new applications received ... ..                                         | 70                     | 2                         | 207                                              | 196                | 475          |
| (c) No. of cases in (b) assisted                                                    | 57                     | 2                         | 195                                              | 186                | 440          |
| (d) No. of cases in (b) approved, but for which assistance was not available ... .. | —                      | —                         | —                                                | —                  | —            |
| (e) No. of cases in (b) not approved ... ..                                         | —                      | —                         | —                                                | —                  | —            |
| (f) No. of applications in (b) withdrawn:                                           |                        |                           |                                                  |                    |              |
| (i) Before arrangements made ... ..                                                 | 10                     | —                         | 10                                               | 6                  | 26           |
| (ii) After arrangements made ... ..                                                 | 3                      | —                         | 2                                                | 4                  | 9            |
| (g) No. of cases in (a) and (b) completed during the year ... ..                    | 63                     | 4                         | 188                                              | 174                | 429          |
| (h) No. of cases receiving assistance at end of year                                | —                      | 5                         | 243                                              | 50                 | 298          |

Number of Domestic Helps employed at 31st December, 1957:—

(a) Whole-time—1 : (b) Part-time—58.