

[Report 1951] / Medical Officer of Health, Royal Leamington Spa Borough.

Contributors

Leamington (England). Borough Council.

Publication/Creation

1951

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38. HOLLY WALK,

LEAMINGTON SPA.

November, 1952.

To the Council of the Borough of Royal Leamington Spa.

Mr. MAYOR, LADIES AND GENTLEMEN,

I have the honour to present to you my second annual report of the health of the district.

The birth rate which fell last year to 16 per thousand is this year only 15.6 and this rate now seems to be settling down from the higher level of the years from 1944 to 1949. Both the total number of deaths and the crude death rate are higher for 1951 than for some years but the death rate for this year is the same as that for England and Wales.

The infantile mortality rate is the lowest since 1944 and no death of a mother, due to puerperal sepsis or accident of childbirth has been recorded since 1949.

The main group of deaths in 1951 was that due to diseases of the heart and blood vessels which accounted for just over 200 deaths. Other important causes were vascular disease of the central nervous system with 69, malignant disease (cancer) with 60 and respiratory diseases (including pneumonia and bronchitis) with 58 deaths: the latter figure does not take account of a further 18 deaths attributable to influenza, which was in evidence during the winter of 1950-51. Of the smaller items of mortality one may note respiratory tuberculosis as the cause of 12 deaths and the same number arose through accidents including those due to motor vehicles but excluding suicide and homicide.

Some complaints of smoke nuisance were investigated during the year and appropriate action was taken. Local industrial firms however go beyond minimum statutory requirements in this matter and in consequence there is no serious smoke nuisance. A good deal of air pollution does however appear to arise from domestic chimneys, probably due to old and inefficient appliances or defective construction of hearths and flues, and it is not surprising to note in the 1951 Report of the Warwick County Fire Brigade that 72 turnouts at the Leamington Spa Fire Station were attributed to chimney fires.

In August 1951 Mr. G. H. Hammond, Senior Sanitary Inspector made a welcome return to duty after a long illness. Dr. H. Gibbons Ward, your Medical Officer of Health retired on February 28th 1951 and my own appointment dated from March 1st 1951.

It may not be out of place to mention here that the Medical Officer of Health, in addition to his duties to the five district councils forming the Joint Sanitary Committee, has to act as Area Medical Officer to the County Council for the Central Area. This appointment which is allocated 50 per cent. of his time, includes the duty of attendance at certain meetings of the Area Health Sub-Committee and the Divisional Executive for Education. This work is carried out from the County Council's Area Health Office in Leamington Spa towards the cost of which office the Joint Sanitary Committee makes an annual contribution.

The Area Health Office undertakes local administrative duties in connection with nursing and midwifery services, vaccination and immunization, Home Help service, care and aftercare of the sick (including Tuberculosis) and child welfare as well as the School Health Service. This co-ordination of duties helps in the treatment of many health problems which arise, and ensures a wide field both of interest and activity.

In conclusion I have to acknowledge the courtesy and help which I have had from my colleagues and to thank the members of this council for their kindness and support.

I am,

Your obedient servant,

D. LIVINGSTONE,
Medical Officer of Health.

Borough of Royal Leamington Spa

A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

| | | | |
|---|------------------|-----|--------|
| Population (estimated) Mid-year, 1951 | ... | ... | 36,520 |
| Birth Rate (Crude) | ... | ... | 15.7 |
| Birth Rate (Corrected) | ... | ... | 15.0 |
| Still Birth Rate—Rate per 1,000 population | ... | ... | 0.44 |
| Death Rate (Crude) | ... | ... | 13.9 |
| Death Rate (corrected) | ... | ... | 12.5 |
| Deaths from Diseases and Accidents of Pregnancy and Child-birth | { From Sepsis | ... | — |
| | { „ other causes | ... | — |
| Death Rate of Infants under 1 year of age :— | | | |
| All Infants per 1,000 live births | ... | ... | 24.5 |
| Legitimate Infants per 1,000 legitimate live births | ... | ... | 24.2 |
| Illegitimate Infants per 1,000 illegitimate live births | ... | ... | 28.6 |
| Deaths from Measles (all ages) | ... | ... | — |
| „ „ Whooping Cough (all ages) | ... | ... | — |

Population.—An increase of 150 over the estimated figure for 1950.

Birth Rate.—This is again below the crude average for the past 8 years which is 18.0.

Death Rate.—This after correction is the same as that for England and Wales, *viz.* 12.5. The 370 deaths of persons over 65 years are analysed as follows :—

| | | | |
|----------------|------------|------------|-------------|
| Age at death : | 65-75 yrs. | 75-85 yrs. | 85 and over |
| | 132 | 176 | 62 |

Therefore out of the total of 507 deaths, 137 or 27% occurred below the age of 65 years. Of the remainder 132 or 26% of the total deaths occurred in the age group 65 to 75, 176 or 35% of the total in the group 75-85 years and as many as 62 or 12% at ages 85 years or over. No death of a centenarian occurred this year; the greatest age at death being recorded as 99 years.

Infant Mortality.—Is now lower than the average for the past 8 years (30) and also below that for England and Wales, *viz.* 29.6. 16 stillbirths were registered during the year, 10 males and 6 females, a rate of 0.44 per 1,000 population. Statistics for the past 8 years and also for England and Wales in 1951 will be seen under Table II.

**PUBLIC HEALTH OFFICERS OF
THE BOROUGH OF ROYAL LEAMINGTON SPA**

Medical Officer of Health :

D. LIVINGSTONE, M.B., D.P.H.

Sanitary Inspectors :

G. H. HAMMOND, M.S.I.A., Cert. for Meat and Food.

A. J. SMITH, M.S.I.A.

W. E. DAVIES, M.S.I.A., M.R.I.P.H.H.

A.R.S.I. Cert. for Meat and other Foods

Clerical Staff (Part Time).

S. BUCKLEY.

Miss B. GIBBONS WARD.

Clerk and Meteorological Observer :

A. H. STALWORTH

Disinfector :

W. JACKSON

Rodent Operative :

P. JACKSON

Public Analyst :

F. G. D. CHALMERS, M.A., B.Sc., F.I.C.

GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH

Laboratory Facilities.—The following examinations were made at the Public Health Laboratory, Coventry during 1951.

| | Positive | Negative | Total |
|---|----------|----------|-------|
| SWABS (from throat or nose), examined for Diphtheria | — | 4 | 4 |
| DYSENTERY | — | 5 | 5 |
| TUBERCULOSIS | — | — | — |

It may be noted here that many investigations under the heading of Tuberculosis are carried out annually through the organisation of the local chest clinic.

LOCAL HEALTH SERVICES (WARWICKSHIRE COUNTY COUNCIL)

Infant Welfare Centres.—4, Hamilton Terrace, each Wednesday and Friday, p.m.; Men's Club, Lillington, each Thursday, p.m. Home Help, Health Visiting, Domiciliary Nursing and Midwifery services; local enquiries to Area Health Office, 38, Holly Walk, Leamington Spa ('Phone 2998 and 2999).

Ambulance facilities.—The County Council's Ambulance Depot at Lakin Road, Warwick (Telephone No. Warwick 86) serves the Borough of Royal Leamington Spa.

Hospital services.—General or maternity cases are admitted to the Warneford or Warwick hospitals; Tuberculosis patients go to Hertford Hill Sanatorium and mental illness is treated at the Central Hospital, Hatton. There is also a Maternity Home at 3, The Butts, Warwick, which receives for confinement some women resident in the Borough of Leamington Spa.

SANITARY CIRCUMSTANCES OF THE AREA

Water.—The sources of the Town's water were as described for previous years, and can be supplemented to a small extent by supplies from outside the Borough. Details will be found on page 7.

1. The water supply has been satisfactory in quality and quantity, although care has been necessary to avoid the waste of water. The water from all sources is hard in nature, although the Leicester Lane well yields a water of some 25 parts hardness only.

2. Bacteriological and chemical analyses are made monthly of the well waters and weekly of the raw and filtered river water.

3. The water is not excessively plumbo-solvent and no special precautions are taken against this.

4. Chlorination plants are installed at all sources of supply. They have operated satisfactorily and no contamination has been reported.

5. The bulk of the population has piped water available within their houses though it will be realized that many persons who live in rooms have a shared supply. There are still 49 standpipes existing in the Borough which are known to supply 196 houses and serve an estimated population of 784 persons. Piped supplies serve approximately 8,655 houses in the borough having an estimated occupancy of 33,836 persons. These figures do not include shops and places of business with parts let off as dwelling houses.

CHEMICAL ANALYSIS OF RIVER WATERS

Results expressed in parts per 100,000.

(September, 1951).

| | <i>Unfiltered River Water.</i> | <i>Filtered River Water.</i> |
|---|------------------------------------|----------------------------------|
| Free and Saline Ammonia ... | 0.003 | Nil |
| Albuminoid Ammonia ... | 0.048 | 0.035 |
| Chlorine in Chlorides ... | 2.9 | 3.5 |
| Nitrogen in Nitrates } Nitrogen in Nitrites } | 0.15 | 0.15 |
| Oxygen absorbed from Permanganate at 80° F. in 4 hours | 0.193 | 0.143 |
| Total Solids driven at 100° C. | 75 | 80 |

| | | | |
|---------------|--------|-----------|--|
| Appearance | U.F.C. | ... | Slightly turbid, and yellow, very many small particles. |
| | F.C. | ... | Bright, few small particles. |
| Hardness | } | Temporary | ... 18.0 ... 12.0 |
| | | Permanent | ... 18.0 ... 24.0 |
| | | Total | ... 36.0 ... 36.0 |
| Free Chlorine | ... | ... | Absent ... 0.06 |
| Metals | ... | ... | Absent ... Absent |

Conditions of Filtration Plant—

Time and date of sample : 8-15 a.m., 5th Sept., 1951.

Position at which taken : Filter House.

Rate of Filtration : 23000 g.p.h.

Alumina Dose : 4.87 grains per gall.

Whether or not dosed with chlorine before settling : Yes 0.70 p.h.

Chlorine dose after filtration : Nil lbs. p.h.

Residual chlorine after 20 minutes : 1.50 p.p.m.

Remarks : Hazen treated = 5A Units. Taste good.

„ Raw 50A Units. Turbidity treated
= 1.0 p.p.m.

| | | | | | |
|-------------------------------|-----|-----|-------|-----|--------|
| Alkalinity as CO ₃ | ... | ... | 12.48 | ... | 9.12 |
| pH value | ... | ... | 7.90 | ... | 7.25 |
| Dissolved CO ₂ | ... | ... | 0.8 | ... | 3.0 |
| Nitrite | ... | ... | Trace | ... | Absent |

GENERAL INFORMATION.

1. New mains laid in 1951 :—

| | Yards. |
|-------------------|----------|
| Town Water Mains | ... 3189 |
| River Water Mains | ... 140 |

2. Amount of Water pumped in 1951 :—

| Corporation Source. | Gallons. |
|----------------------|-------------|
| From Campion Terrace | ... |
| „ Lillington | ... |
| „ Brewery Well | ... |
| „ Leicester Lane | ... |
| „ River (unfiltered) | 80,246,000 |
| „ River (filtered) | 169,053,000 |

| <i>Outside Sources.</i> | <i>Gallons.</i> |
|----------------------------------|-----------------|
| Taken from Warwick R.D.C. ... | Nil. |
| Water supplied to Warwick R.D.C. | 8,524,000 |

3. Daily consumption of Town Water per head 39.04 galls.
 River Water supplied to Residents per head 1.74 ,,
 River Water supplied annually to Railway Companies
 62,969,000 ,,

Swimming Baths.—On May 23rd. 1949, the small swimming bath was taken over for medical purposes, so that the figures here given apply, in the main, to the large bath. The total number of those using the baths during the twelve months ended 31st December, 1951, was 114,824. The average attendance per week during the Summer season (May to September) was 3,876, and during the Winter season 1,001. These figures represent a substantial increase in use.

Bacteriological and chemical examinations of the swimming bath water were made during the year and proved satisfactory.

Rivers.—Sources of pollution both inside and outside the Borough were kept under observation but no action was required. The river has, however, become sluggish and stagnant over parts of its course through the town and a River Committee was formed in October 1951.

Drainage and Sewage.—A full report of the Sewage Disposal Scheme was contained in the report for 1929. During the year, the general character of the sewage effluent was satisfactory.

Closet accommodation.—With the exception of a few cottages at Lillington and Milverton the houses throughout the town are equipped with water closets.

Scavenging.—Approximately 10,506 tons of refuse were collected and received at the Destructor, as compared with 10,318 the previous year.

F. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE

Incidence of Commoner Infectious Diseases since 1943

| | | Smallpox. | Diphtheria. | Scarlet Fever. | Enteric Fever. | Pneumonia. | Poliomyelitis | Puerperal Pyrexia. |
|------|-----|-----------|-------------|-------------------|-------------------|------------|---------------|-----------------------|
| 1943 | ... | — | 29 | 50 | — | 32 | — | 2 |
| 1944 | ... | — | 20 | 58 | 1 | 31 | — | 9 |
| 1945 | ... | — | 11 | 57 | — | 25 | — | 2 |
| 1946 | ... | — | 12 | 41 | 1 | 53 | — | 6 |
| 1947 | ... | — | 24 | 25 | 1 | 25 | — | 16 |
| 1948 | ... | — | 2 | 28 | — | 14 | — | 3 |
| 1949 | ... | — | 2 | 19 | — | 16 | — | 5 |
| 1950 | ... | — | 2 | 14 | — | 12 | 5 | 5 |
| 1951 | ... | — | 1 | 9 | — | 27 | 1 | 36 |

Diphtheria.—The incidence remains low and mass immunization has clearly played a big part in bringing this about. However, the disease is known to have retained its virulence whereas natural immunity through exposure to carriers and subinfective doses from infected persons is now harder to acquire because of the reduced occurrence of actual cases. Therefore, although the disease is now less familiar to parents, it should remain in the forefront of local health education propaganda. To achieve good communal protection at least 75 per cent. of children born annually should be immunized before their first birthday: at present the estimated percentage of babies thus protected is about 55 per cent. for this borough.

During 1951 490 children under 5, and 65 between 5 and 14 were immunised, a total of 555 for the year. 609 children were given "booster" doses.

Scarlet Fever.—Cases numbered 9; all the cases were mild in character. Like Diphtheria the incidence of notified

cases is much less but unlike Diphtheria, there is probably quite a large number of cases which now escape notification. This disease is not such a well defined entity and now does not often run a severe or malignant course so that effective home isolation is not always practised and medical attention may not even be sought.

Other diseases.—The figure of Pneumonia was the highest since 1949 and this was the result of an influenzal type of illness which was prevalent in the district during the last quarter of 1950 and first quarter of 1951.

The rise in Puerperal Pyrexia notifications is due to two facts. One is that the new regulations give a much more stringent definition of the disease than formerly and the other that the Warneford Hospital Maternity Unit receives complicated maternity cases from an area much wider than the Borough itself.

TUBERCULOSIS

| Age-Periods. | New Cases. | | | | Deaths. | | | |
|--------------|------------|----|---------------|----|-----------|----|---------------|----|
| | Pulmonary | | Non-Pulmonary | | Pulmonary | | Non-Pulmonary | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| 0 ... | — | — | — | — | — | — | — | — |
| 1-5 ... | — | 1 | — | — | — | — | — | — |
| 5-10 ... | — | 1 | — | 2 | — | — | — | — |
| 10-15 ... | 1 | — | — | — | — | — | — | — |
| 15-20 ... | — | 1 | — | — | — | — | — | — |
| 20-25 ... | 4 | 3 | — | — | — | — | — | — |
| 25-35 ... | 3 | 3 | 1 | — | 1 | 2 | — | — |
| 35-45 ... | 3 | 2 | — | — | — | — | — | — |
| 45-55 ... | 2 | — | — | — | 3 | 2 | — | — |
| 55-65 ... | 2 | — | — | — | 1 | — | — | — |
| 65 & upwards | 1 | — | — | — | 1 | 2 | — | — |
| Totals ... | 16 | 11 | 1 | 2 | 6 | 6 | — | — |

15 cases of Tuberculosis were admitted for treatment at a Sanatorium, and 21 were discharged.

TUBERCULOSIS

| | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 |
|------------|------|------|------|------|------|------|------|
| Cases ... | 37 | 27 | 26 | 32 | 40 | 40 | 28 |
| Deaths ... | 19 | 8 | 17 | 9 | 9 | 15 | 8 |
| | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
| Cases ... | 23 | 43 | 26 | 40 | 45 | 43 | 42 |
| Deaths ... | 5 | 10 | 23 | 22 | 17 | 22 | 19 |
| | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | |
| Cases ... | 38 | 65 | 25 | 46 | 42 | 30 | |
| Deaths ... | 11 | 24 | 26 | 18 | 6 | 12 | |

CANCER.

The deaths ascribed to Malignant Disease numbered 60, classified in age groups as follows :—

| Age Group. | Male. | Female. | Total. |
|-----------------|-------|---------|--------|
| Under 50 ... | 3 | 3 | 6 |
| 50-60 ... | 6 | 3 | 9 |
| 60-70 ... | 7 | 11 | 18 |
| 70-80 ... | 10 | 12 | 22 |
| 80 and over ... | 2 | 3 | 5 |
| | — | — | — |
| | 28 | 32 | 60 |

About 12% of all deaths were due to this cause.

For the past ten years cancer deaths have been as follows :

| | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 |
|---------------------------|------|------|------|------|------|------|------|
| Total | 79 | 75 | 60 | 66 | 75 | 83 | 88 |
| Death Rate } per 1,000 | 2.03 | 2.08 | 1.69 | 1.87 | 2.15 | 2.36 | 2.42 |
| | 1949 | 1950 | 1951 | | | | |
| Total | 82 | 75 | 60 | | | | |
| Death Rate } per 1,000 | 2.26 | 2.06 | 1.64 | | | | |

REPORT OF SANITARY INSPECTORS
for the Year ending 31st December, 1951

Number of complaints received, 383.

Number of Notices served :—Formal, 1 ; Informal, 185

Number of Notices complied with, 156.

SUMMARY OF SANITARY WORK EXECUTED

| | |
|---|-----|
| Visits in Relation to Notifiable Infectious Diseases ... | 40 |
| Visits in Relation to Non-notifiable Infectious Diseases | 7 |
| Rooms fumigated | 50 |
| Rooms disinfested | 108 |
| Steam disinfections | 53 |
| Books disinfected | 32 |
| Inspections of Factories (including Bakehouses, etc.) | 116 |
| ,, Food Shops and Premises | 625 |
| ,, Dairies | 99 |
| ,, Common Lodging House | 14 |
| ,, Canal Boats | 2 |
| Samples of Food and Drugs taken for Analysis ... | 133 |
| Samples of Ice Cream taken for bacteriological examination | 44 |
| Samples of Milk (Special Designations) | 80 |
| Number of Chemical Tests applied to Drains | 7 |
| Rodent Control Visits | 55 |
| DWELLING-HOUSES | |
| Roofs repaired (house, scullery, W.C. etc.) ... | 67 |
| Floors repaired | 34 |
| Wall and ceiling plaster made good or renewed (rooms) | 133 |
| Rooms re-decorated or limewashed | 47 |
| Windows repaired and/or made to open ... | 26 |
| Sashcords renewed | 9 |
| Firegrates repaired or reset | 15 |
| Stairs repaired | 8 |

| | | | | |
|--|-----|-----|-----|-----|
| Flues to Chimneys repaired | ... | ... | ... | 8 |
| Walls re-pointed | ... | ... | ... | 23 |
| Doors repaired or renewed | ... | ... | ... | 3 |
| WASH-HOUSES AND SCULLERIES | | | | |
| Coppers repaired | ... | ... | ... | 6 |
| Sink Waste-Pipes repaired or renewed | ... | ... | ... | 10 |
| Paving of yards and passages repaired or renewed | ... | ... | ... | 4 |
| New sinks provided | ... | ... | ... | 3 |
| Washhouses rebuilt | ... | ... | ... | 3 |
| DRAINS AND WATER CLOSETS, ETC. | | | | |
| Obstructed Drains cleansed | ... | ... | ... | 28 |
| Drains repaired or reconstructed | ... | ... | ... | 22 |
| Broken or foul W.C. Pans renewed | ... | ... | ... | 9 |
| W.C.'s repaired or rebuilt | ... | ... | ... | 22 |
| New W.C.'s built | ... | ... | ... | 3 |
| W.C. Pans cleansed | ... | ... | ... | 10 |
| W.C.'s provided with new flushing apparatus | ... | ... | ... | 20 |
| Flushing Apparatus repaired or renewed | ... | ... | ... | 16 |
| Additional Gullies provided | ... | ... | ... | 2 |
| Rain-water spouting repaired or renewed | ... | ... | ... | 42 |
| REFUSE ACCOMMODATION | | | | |
| Number of new Ashbins provided | ... | ... | ... | 11 |
| OTHER NUISANCES | | | | |
| Accumulations removed | ... | ... | ... | 6 |
| Smoke nuisances abated | ... | ... | ... | 3 |
| Animals so kept as to be a nuisance | ... | ... | ... | 3 |
| Premises cleansed | ... | ... | ... | 9 |
| CANAL BOATS | | | | |
| No. of Boats on Register on December 31st, 1951... | ... | ... | ... | Nil |
| No. of Boats inspected during 1951 | ... | ... | ... | 2 |
| No. of Boats infringing Acts and Regulations | ... | ... | ... | Nil |
| No. of persons for whom Cabins were Registered | ... | ... | ... | 9 |

| | | | | |
|-----------------------------------|-----|-----|-----|---|
| Details of occupation—Male adults | ... | ... | ... | 1 |
| „ „ Female adults | ... | ... | ... | 1 |
| „ „ Children of school age | ... | ... | ... | 1 |

SHOPS ACT, 1950

84 visits were made during the year. 4 notices were served relating to offences against the provisions of the Shops Act, 3 in connection with weekly half-day closing and 1 in connection with failing to close on the fixed day.

PREVENTION OF DAMAGE BY PESTS ACT, 1951

The systematic survey of premises in the Borough was continued during the year and all infestations discovered were dealt with.

Under the Private Dwelling Scheme, whereby the public is given free service, 73 treatments were made. There were also 6 treatments to Business premises and 37 treatments to Corporation premises, making a total of 116 for the year.

The sewers received two maintenance treatments in which 393 manholes were baited in the first instance and 415 manholes in the second.

ERADICATION OF BED BUGS.—During the year 108 rooms were treated for bed bug infestation. One or other of the proprietary brands of liquid insecticide was used in each case, with, in some instances, the addition of vapour from disinfecting blocks.

HOUSING, 1951.

The usual Table has been completed and is being kept for reference.

Number of houses built in the town during 1951 :—

| | | |
|----------------------------|-----|-----|
| (a) By the Local Authority | ... | 108 |
| (b) By private enterprise | ... | 14 |

The number of houses owned by the Corporation is 1243

„ „ „ Prefabricated Bungalows is ... 113

Houses converted into two or more houses, or flats :—

Originally 11 houses, now 2 houses and 28 flats.

FOOD AND DRUGS ACT, 1938
FOOD STANDARDS (GENERAL PROVISIONS) ORDER,
1944

| | Formal. | Informal. | Totals. |
|---------------------|---------|-----------|---------|
| Butter | — | 6 | 6 |
| Baking Powder | — | 5 | 5 |
| Coffee | — | 1 | 1 |
| Custard Powder | — | 2 | 2 |
| Cheese Cake Mixture | — | 1 | 1 |
| Curry Powder ... | — | 3 | 3 |
| Chicken (Tinned) | — | 1 | 1 |
| Crab (Tinned) ... | — | 1 | 1 |
| Cheese | — | 7 | 7 |
| Cooking Fat ... | — | 6 | 6 |
| Doughnut | — | 6 | 6 |
| Fish Paste | — | 2 | 2 |
| Flour (Soya) ... | — | 1 | 1 |
| Gelatine Powder | — | 1 | 1 |
| Glycerine | — | 1 | 1 |
| Ginger | — | 3 | 3 |
| Ice Cream | — | 7 | 7 |
| Jelly | — | 6 | 6 |
| Mustard | — | 2 | 2 |
| Milk | 17 | 14 | 31 |
| Meat Paste | — | 4 | 4 |
| Margarine | — | 7 | 7 |
| Oats | — | 1 | 1 |
| Orange Squash ... | — | 1 | 1 |
| Pudding Mixture | — | 2 | 2 |
| Raising Powder | — | 3 | 3 |
| Sausage | — | 4 | 4 |
| Sponge Mixture | — | 2 | 2 |
| Salt | — | 1 | 1 |
| Thirst Quencher | — | 1 | 1 |
| Tomato Ketchup | — | 8 | 8 |
| Vinegar | — | 6 | 6 |
| | 17 | 116 | 133 |

The samples were found to be genuine with the exception of one sample of Sausage which proved to be deficient of 13.2 per cent. of meat content. The vendor was cautioned.

The average fat content of Ice Cream was 11.27 per cent. and ranged between 16.1 per cent. and 9.9 per cent.

**MILK (SPECIAL DESIGNATIONS)
REGULATIONS, 1949**

Licences issued during the year under the Milk (Special Designations) Regulations, 1936 to 1949 :—

| | Licences |
|--|----------|
| Dealers (Pasteurisers) | 2 |
| Supplementary Licences for Pasteurised Milk ... | 1 |
| Dealers' Licences for Tuberculin Tested Milk ... | 20 |
| " " for Pasteurised Milk | 18 |
| " " for Accredited Milk | 1 |

**Results of Samples taken under the
Milk (Special Designations) Regulations**

| Class of Milk | No. of Samples | Appropriate Tests | No. of Passed | Samples Failed |
|---------------------------------|----------------|-------------------|---------------|----------------|
| Pasteurised | 47 | Phosphatase | 47 | Nil |
| | | Methylene Blue | 43 | 4* |
| Tuberculin Tested (Pasteurised) | 30 | Phosphatase | 29 | 1 |
| | | Methylene Blue | 28 | 2* |
| Accredited | 3 | Methylene Blue | 3 | Nil |

* Tests void on account of temperature.

Results of the Bacteriological Examination of Ice-Cream samples :—

| | | | | |
|----------------------------|---|-----|-------|----|
| Number of Samples in Grade | 1 | ... | ... | 25 |
| " " " " | 2 | ... | ... | 7 |
| " " " " | 3 | ... | ... | 2 |
| " " " " | 4 | ... | ... | 10 |
| | | | TOTAL | 44 |

UN SOUND FOOD

List of foodstuffs destroyed or otherwise disposed of, e.g., for animal feeding stuffs, after examination had shown that they were unfit for human consumption :—

| | |
|---------------------------------|-------------|
| Miscellaneous tinned foodstuffs | 3,180 tins. |
| „ bottled „ ... | 156 jars |
| „ packeted „ ... | 76 pkts. |
| Tinned cooked ham | 65 tins. |
| Bacon | 18 lbs. |
| Beef | 60 lbs. |
| Beef Sausage | 24 lbs. |
| Sausage meat | 18 lbs. |
| Biscuits | 39 lbs. |
| Butter | 112 lbs. |
| Cheese | 82 lbs. |
| Christmas Puddings | 110 |
| Currants | 53 lbs. |
| Chitlings | 60 lbs. |
| Dates | 78 lbs. |
| Eggs | 90 |
| Fats | 284 lbs. |
| Fish | 377 lbs. |
| Geese | 28 lbs. |
| Margarine | 74 lbs. |
| Pigs Feet | 100 lbs. |
| Poultry | 60 lbs. |
| Pearl Barley | 36 lbs. |
| Rabbits | 10½ cwts. |
| Raisins | 32 lbs. |
| Sugar | 81 lbs. |
| Sweets | 12 lbs. |
| Sausage Rusk | 112 lbs. |
| Tea | 8 cwts. |

The tins were blown, rusted or perforated ; jars broken or contents mildewed ; packeted foods damp or contaminated either by chemicals or mice ; the fats, tea, sugar, etc., were contaminated by sewage water following heavy rainfall which flooded cellars ; and the Christmas Puddings had broken basins. There was a marked reduction in the number of eggs condemned.

**RAG FLOCK AND OTHER FILLING MATERIALS ACT,
1951**

This Act came into operation on November 1st, 1951. All premises in the Borough known to be using these materials were visited but none required to be registered under the provisions of the Act.

**NATIONAL ASSISTANCE ACT, 1948
Section 50**

Three persons were buried as provided for by the Act, in circumstances where no liable persons could be found willing, or able, to undertake this responsibility.

MERCHANDISE MARKS ACT, 1926

Enforcement of a number of Orders relating to the marking of imported foodstuffs came into effect again during the year. 72 shops were visited and leaflets were left explaining the effect of such orders. A number of shop-keepers were cautioned for failing to mark imported tomatoes with a proper indication of their origin.

METEOROLOGICAL REPORT, 1950.

The recording of Meteorological observations in the Borough has been continued throughout the year.

I am indebted to Mr. A. H. Stalworth for the following statistics which are the result of his observations.

TABLE OF METEOROLOGICAL OBSERVATIONS, LEAMINGTON SPA, 1951.
 Latitude 52° 18' N. Longitude 1° 30' W.

| Month. | Means of Barom. 9 a.m. | AIR TEMPERATURES. | | | | | | EARTH TEMPERATURES | | | | Rainfall. | | Sun-shine. Hours | | |
|--------------|------------------------|-------------------|------|------------------------|------|-------------------|------|-----------------------|-----------|-----------|-------------------------------|-----------|-------|------------------|------|-----|
| | | Means. | | Absolute Temperatures. | | | | At 1 foot | At 2 feet | At 4 feet | Direc- of the prevailing Wind | Inches | Days | | | |
| | | 9 a.m. | Max. | Min. | Max. | Date | Min. | | | | | | | | Date | |
| January ... | 29.72 | 38.8 | 44.3 | 34.1 | 57 | on 19th | 22 | on 4th | 37.8 | ... | 44.7 | S.W. | 2.45 | 14 | 26.2 | |
| February ... | 29.54 | 39.0 | 44.1 | 33.7 | 49 | " 8th | 28 | " 26th | 37.9 | ... | 44.6 | S.W. | 2.65 | 16 | * | |
| March ... | 29.79 | 40.4 | 45.7 | 34.5 | 58 | " 22nd | 27 | " 1st | 40.4 | ... | 44.7 | S.W. | 3.59 | 23 | | |
| April ... | 29.94 | 45.6 | 53.4 | 37.0 | 72 | " 24th | 30 | " 11th | 45.9 | ... | 46.5 | S.W. | 2.20 | 15 | | |
| May ... | 29.98 | 50.6 | 58.4 | 43.5 | 70 | " 24th | 36 | " 1st, 8th, 12th | 52.4 | ... | 50.1 | N.E. | 2.95 | 14 | | |
| June ... | 30.00 | 58.6 | 66.8 | 48.3 | 73 | " 30th | 39 | " 9th | 62.5 | ... | 55.9 | S.W. | 2.05 | 13 | | |
| July ... | 30.08 | 63.2 | 71.5 | 52.2 | 80 | " 19th | 45 | " 25th | 66.1 | ... | 59.2 | S.W. | 0.76 | 9 | | |
| August ... | 29.82 | 60.8 | 67.9 | 52.3 | 75 | " 3rd | 45 | " 15, 16, 18th & 23rd | 64.0 | ... | 60.5 | S.W. | 4.96 | 22 | | |
| September | 29.97 | 57.9 | 66.0 | 51.0 | 78 | " 4th | 41 | " 21st & 30th | 60.6 | ... | 59.7 | S.W. | 1.61 | 11 | | |
| October ... | 30.12 | 49.0 | 56.8 | 41.9 | 64 | " 3rd | 26 | " 23rd | 50.7 | ... | 56.5 | S.E. | 0.84 | 7 | | |
| November... | 29.63 | 48.1 | 52.8 | 42.4 | 59 | " 6th | 29 | " 26th | 46.5 | ... | 52.3 | S.W. | 5.01 | 23 | | |
| December ... | 29.92 | 42.0 | 47.8 | 35.9 | 53 | " 8, 6, 19 & 24th | 23 | " 11th & 12th | 40.7 | ... | 48.8 | S.W. | 1.76 | 16 | | |
| Totals ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Means ... | 29.93 | 49.5 | 56.3 | 42.2 | ... | ... | ... | ... | 50.5 | ... | 52.0 | ... | 30.83 | 183 | ... | ... |

* No sunshine records available since January.

METEOROLOGICAL AVERAGES OF
LEAMINGTON SPA.

| For the 71 Years, 1881-1951 | | | | | | For the 39 years, 1912 to 1950. |
|-----------------------------|------------------------------|------------------|------|-----------|-------|---------------------------------------|
| Month. | Means of Barom. 9 a.m. | Air Temperature. | | Rainfall. | | Sunshine |
| | | Max. | Min. | Inches. | Days. | Hours. |
| January ... | 29.92 | 44.6 | 34.2 | 2.19 | 16 | 41.4 |
| February | 29.94 | 45.1 | 34.5 | 1.65 | 13 | 59.8 |
| March ... | 29.95 | 50.1 | 36.1 | 1.69 | 14 | 101.4 |
| April ... | 29.93 | 54.6 | 39.1 | 1.91 | 15 | 134.5 |
| May ... | 29.94 | 62.7 | 44.7 | 2.02 | 13 | 179.5 |
| June ... | 30.02 | 67.6 | 49.7 | 1.59 | 12 | 189.7 |
| July ... | 29.93 | 70.3 | 53.5 | 2.36 | 14 | 168.7 |
| August ... | 29.87 | 69.6 | 52.9 | 2.32 | 14 | 163.2 |
| September | 29.98 | 64.7 | 49.0 | 2.09 | 12 | 122.7 |
| October ... | 29.95 | 57.5 | 42.6 | 2.28 | 15 | 92.8 |
| November | 29.88 | 48.9 | 37.7 | 2.37 | 16 | 51.5 |
| December | 29.90 | 45.7 | 36.0 | 2.21 | 16 | 35.9 |
| Means and Totals ... | 29.93 | 56.8 | 42.5 | 24.68 | 170 | 1341.1 |

TABLE II.

BOROUGH OF ROYAL LEAMINGTON SPA.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1951 AND PREVIOUS YEARS.

| YEAR. | Population estimated to Middle of each Year. | BIRTHS. | | NETT DEATHS BELONGING TO THE DISTRICT. | | | |
|-------|--|---------|-------------|--|-----------------------------|--------------|-------|
| | | Nett. | | Under 1 Year of age. | | At all Ages. | |
| | | Number. | Crude Rate. | Number. | Rate per 1,000 Nett Births. | Number. | Rate. |
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 1944 | 35,360 | 664 | 18.6 | 15 | 23 | 473 | 13.3 |
| 1945 | 34,200 | 650 | 19.0 | 23 | 35 | 459 | 13.4 |
| 1946 | 34,720 | 662 | 19.1 | 24 | 36 | 477 | 13.7 |
| 1947 | 35,170 | 687 | 19.5 | 18 | 26 | 484 | 13.5 |
| 1948 | 36,210 | 661 | 13.3 | 19 | 29 | 461 | 12.7 |
| 1949 | 36,020 | 648 | 18.0 | 24 | 37 | 488 | 13.5 |
| 1950 | 36,370 | 581 | 16.0 | 17 | 29.3 | 463 | 12.7 |
| 1951 | 36,520 | 571 | 15.7 | 14 | 24.5 | 507 | 13.9 |

VITAL STATISTICS IN ENGLAND AND WALES, 1951.

ENGLAND AND WALES.

*Birth-rate, Death-rate, and Infantile Mortality during the Year 1951.
(Provisional Figures).*

Annual Rate per 1,000 Population.

| | Live Births | Still Births. | Deaths. | Deaths under one year to 1,000 Births. |
|-----------------------------------|-------------|---------------|---------|--|
| England and Wales | 15.5 | 0.36 | 12.5 | 29.6 |
| 126 Great Towns, including London | 17.3 | 0.45 | 13.4 | 33.9 |
| 148 Smaller Towns | 16.7 | 0.38 | 12.5 | 27.6 |
| London | 17.8 | 0.37 | 13.1 | 26.4 |

TABLE III.

BOROUGH OF ROYAL LEAMINGTON SPA.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR

1951.

| NOTIFIABLE DISEASE. | Number of Cases notified. | | | | | | | Total cases removed to Hospital | Total Deaths. | |
|---|---------------------------|----------------|----------|-----------|-----------|-----------|-----------|---------------------------------|---------------|-----------------|
| | At all Ages. | At Ages—Years. | | | | | | | | |
| | | Under 1. | 1 to 5. | 5 to 15. | 15 to 25. | 25 to 45. | 45 to 65. | | | 65 and upwards. |
| Small-pox | | | | | | | | | | |
| Plague | | | | | | | | | | |
| Diphtheria (including Membranous Group) | 1 | | 1 | | | | | 1 | | |
| Erysipelas | 2 | | | | | | 2 | | | |
| Scarlet Fever | 9 | 2 | 7 | | | | | 3 | | |
| Typhus Fever | | | | | | | | | | |
| Enteric Fever | | | | | | | | | | |
| Pneumonia | 27 | 1 | 5 | | 4 | 11 | 6 | | 25 | |
| Malaria | | | | | | | | | | |
| Dysentery | 1 | | | | 1 | | | | | |
| Puerperal Pyrexia | 36 | | | 9 | 27 | | | 36 | | |
| Meningococcal Infection | | | | | | | | | | |
| Acute Poliomyelitis (including Polioencephalitis) | 1 | | 1 | | | | | 1 | | |
| Encephalitis Lethargica | | | | | | | | | | |
| Ophthalmia Neonatorum | | | | | | | | | | |
| Pulmonary Tuberculosis | 27 | 1 | 2 | 8 | 11 | 4 | 1 | | 12 | |
| Other forms of Tuberculosis | 3 | | 2 | | 1 | | | | | |
| Totals | 107 | — | 4 | 18 | 17 | 44 | 17 | 7 | 41 | 37 |

TABLE IV.
BOROUGH OF ROYAL LEAMINGTON SPA.
CAUSES OF DEATH DURING THE YEAR 1951

| CAUSES OF DEATH | MALES | FEMALES |
|---|------------|------------|
| 1 Tuberculosis (respiratory) | 7 | 5 |
| 2 Tuberculosis (other) | — | — |
| 3 Syphilitic disease | 2 | 1 |
| 4 Diphtheria | — | — |
| 5 Whooping Cough | — | — |
| 6 Meningococcal infections | — | — |
| 7 Acute poliomyelitis | — | — |
| 8 Measles | — | — |
| 9 Other infective and parasitic diseases | 1 | — |
| 10 Malignant neoplasm, stomach ... | 7 | 3 |
| 11 Malignant neoplasm, lung, bronchus | 6 | 1 |
| 12 Malignant neoplasm, breast | — | 5 |
| 13 Malignant neoplasm, uterus | — | 4 |
| 14 Other malignant and lymphatic neo- plasmis | 15 | 19 |
| 15 Leukaemia, aleukaemia | 4 | 4 |
| 16 Diabetes | 1 | 1 |
| 17 Vascular lesions of nervous system ... | 26 | 43 |
| 18 Coronary disease, angina | 30 | 21 |
| 19 Hypertension with heart disease ... | 5 | 8 |
| 20 Other heart disease | 31 | 81 |
| 21 Other circulatory disease | 11 | 14 |
| 22 Influenza | 9 | 9 |
| 23 Pneumonia | 12 | 13 |
| 24 Bronchitis | 15 | 11 |
| 25 Other disease of respiratory system ... | 3 | 4 |
| 26 Ulcer of stomach and duodenum ... | 2 | — |
| 27 Gastritis, enteritis and diarrhoea ... | — | — |
| 28 Nephritis and nephrosis | 3 | 1 |
| 29 Hyperplasia of prostate | 4 | — |
| 30 Pregnancy, child-birth, abortion ... | — | — |
| 31 Congenital malformations | 3 | 2 |
| 32 Other defined and ill-defined diseases | 15 | 28 |
| 33 Motor vehicle accidents | 3 | — |
| 34 All other accidents | 3 | 6 |
| 35 Suicide | 2 | 1 |
| 36 Homicide and operations of war ... | 2 | — |
| All Causes | 222 | 285 |



