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Cornwall County Council



ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1940.

COPIES OF THE

REPORT OF THE

To the Chairman and Members of the Cornwall County Council.

My Lord, Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health of the County of Cornwall during the year 1940.

The Report has, of necessity, to be very condensed and on some matters uninformative; it is, in fact, largely a continuation of statistical tables which by maintaining continuity of information will be useful in the future in showing the trends and tendencies of health matters in the County during the war.

The middle of the year 1940 saw the arrival in the County of very large numbers of persons evacuated owing to the commencement of heavy air raids. Mass movements of population always carry with them a risk of epidemic diseases for which there was inadequate provision in this County. The Truro Public Assistance Institution was therefore quickly converted into an improvised Isolation Hospital providing, in the first instance, accommodation for 50 patients, but later for more than double that number of patients in main wards and side wards. The advantages of centralisation of Isolation Hospital accommodation immediately became apparent and steps were taken to carry forward into the future the centralised provision of Isolation accommodation created originally to meet a temporary emergency.

The Emergency Maternity Homes at Hayle and Bodmin converted on the outbreak of war began to come into full occupation during the year 1940 and it was found necessary to establish in connection with each, an ante-natal hostel to which patients could go a week beforehand in anticipation of their confinement. The problem of looking after the infants of evacuees admitted to the Emergency Maternity Homes also proved difficult and was solved by the conversion of one of the Convalescent Homes at Perranporth associated with the Royal Cornwall Infirmary into a Short-Stay Residential Nursery.

During the year the Livestock (Restriction of Slaughtering) Order 1940, came into operation, thus limiting the number of slaughter houses at which slaughtering was performed. The arrangements made under the Order at the commencement were the subject of severe criticism; the difficulties of a sudden change of system were immense but were gradually overcome. The improved facilities for inspecting all the meat slaughtered in the County, which had in the past been an impossibility, was a great advantage.

I repeat my acknowledgement of the help and consideration I have received from the Chairman and members of my Committee, both collectively and individually, and the loyal assistance I have received from my Staff.

I am,

Your obedient Servant,

R. N. CURNOW,
County Medical Officer.

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CORNWALL COUNTY COUNCIL

REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1940.

PUBLIC HEALTH OFFICERS.

Whole time Medical Officers:

| | | | |
|--------------------------------------|-----|-----|---|
| Medical Officer of Health and School | | | |
| Medical Officer | ... | ... | R. N. Curnow, M.B., B.S., D.P.H., |
| Deputy Medical Officer of Health and | | | |
| School Medical Officer | ... | ... | F. J. H. Crawford, M.D., Ch.B., B.Sc., D.P.H. |
| Tuberculosis Officer | ... | ... | W. F. L. Day, M.B., B.Ch.Camb., M.R.C.S., L.R.C.P. |
| Medical Superintendent of Tehidy | | | |
| Sanatorium | ... | ... | E. T. Gaspey, M.R.C.S., L.R.C.P. |

Part time Medical Officers:

| | | | |
|-------------------------------------|-----|-----|--|
| Consulting Surgeons Tehidy | | | |
| Sanatorium | ... | ... | N. R. Barrett, M.B., M.Ch., F.R.C.S., L.R.C.P. |
| | | | J. Donovan, M.B., Ch.B., F.R.C.S. |
| Consulting Physician, Tehidy | | | |
| Sanatorium | ... | ... | Francis Chown, M.B.Lond., D.P.H. |
| Ear, Nose and Throat Surgeon, | | | |
| Tehidy Sanatorium | ... | ... | M. R. Sheridan, M.B., Ch.B.Liverp., F.R.C.S.Ed., D.L.O.Eng. |
| Anaesthetist, Tehidy Sanatorium | ... | ... | R. H. Blair, M.B., Ch.B.Liverp. |
| Orthopaedic Surgeon | ... | ... | W. W. Rentoul, M.B., B.Ch., B.A.O.Belf. |
| Pathologist and Medical Officer of | | | |
| Truro V.D. Treatment Centre | ... | ... | F. D. M. Hocking, M.B., B.S.Lond., M.Sc., M.R.C.S., L.R.C.P., F.I.C., F.C.S. |
| Medical Officer of Tuckingmill V.D. | | | |
| Treatment Centre | ... | ... | C. H. Rivers, M.A., M.D., B.C. Camb., M.R.C.S., M.R.C.P., B.Sc.Lond. |
| Obstetric Consultants | ... | ... | |
| Plymouth | ... | ... | J. Riddell, M.D.Ed., Ch.B., F.R.C.S.Ed., M.C.O.G. Mabel Ramsey, M.D.Ed., Ch.B., F.R.C.S.Ed., D.P.H., M.C.O.G. |
| Saltash | ... | ... | H. G. Robinson, M.B., Ch.B.Glas. |
| Stratton | ... | ... | T. A. King, M.R.C.S.Eng., L.R.C.P.Lond. |

| | | | |
|---|-----|-----|---|
| Launceston | ... | ... | C. G. Gibson, M.B., C.M.Ed. |
| Liskeard | ... | ... | B. B. Metcalfe, M.R.C.S.Eng., L.R.C.P.Lond. |
| Bodmin | ... | ... | N. G. H. Salmon, M.B., B.S.Lond., M.R.C.S.Eng., L.R.C.P.Lond. |
| St. Austell | ... | ... | J. S. Moore, F.R.C.S.Ed., L.R.C.P. Lond., M.R.C.S.Eng., D.P.H. |
| Newquay | ... | ... | W. G. Richards, M.B., B.S.Lond., M.M.S.A., M.R.C.S.Eng., L.R.C.P.Lond., M.C.O.G. |
| Truro | ... | ... | G. F. Burnell, M.R.C.S.Eng., L.R.C.P.Lond. J. H. Hood, M.B., Ch.B.Ed. J. G. M. Molony, M.B., B.Ch., B.A.O. |
| Falmouth | ... | ... | T. H. R. McKiernan, B.A., M.B., B.Ch., B.A.O. W. E. H. Banks, M.A.Camb., M.B., B.Ch., M.R.C.S.Eng., L.R.C.P. Lond. |
| Redruth | ... | ... | W. Blackwood, M.B., Ch.B. R. Pollok, L.R.C.S., etc., Edin. and Glas., D.C.O.G., L.D.S.Glas. H. L. Shimmin, M.R.C.S.Eng., L.R.C.P.Lond. C. H. Rivers (Puerperal Pyrexia), M.A., M.D., B.C.Camb., M.R.C.S., M.R.C.P.Lond., B.Sc. |
| Penzance | ... | ... | V. J. McAllister, M.B., B.Ch., M.A.O., F.R.C.S.Irel. |
| Medical Officer, St. Columb Institution for Mental Defectives | ... | ... | J. A. S. Brown, B.Ch.Camb., M.R.C.S., L.R.C.P. |

Other whole time Officers:

| | | | |
|---|-----|-----|---|
| Orthopaedic Sisters | ... | ... | Miss J. D. Newman, Cert.C.S.M.M.G. Miss B. M. Darby, Cert.C.S.M.M.G. Miss D. E. Salmon, Cert.C.S.M.M.G. Miss C. W. Rice, Cert.C.S.M.M.G. (Tehidy Sanatorium). |
| Matron Tehidy Sanatorium | ... | ... | Miss M. Wood, S.R.N. |
| Matron St. Columb Institution for Mental Defectives | ... | ... | Miss E. K. G. Mowbray, S.R.N., R.M.P.A. |
| Mental Deficiency Officers | ... | ... | Mrs. W. E. Hooper, Miss G. E. Thomas. |
| Health Visitors | ... | ... | Miss A. Flamank, Miss J. C. Henderson, Miss A. A. Housman, Miss G. Varcoe. |

Other part time Officers:

| | | | |
|--|-----|-----|--|
| Public Analyst | ... | ... | Dr. H. E. Cox, The Laboratory, 11, Billiter Square, London, E.C.3. |
| Dental Surgeon, Tehidy Sanatorium | ... | ... | W. H. C. Lean, L.D.S., R.C.S.Eng. |
| Dental Surgeon, St. Columb Institution for Mental Defectives | ... | ... | G. N. Minifie, L.D.S. |
| Inspector of Midwives and Superintendent of the County Nursing Association | ... | ... | Miss M. Riden. |
| Assistant Inspectors of Midwives | ... | ... | Miss E. Pearson, Miss L. M. Runacres, Mrs. H. Heath. |
| Health Visitors and Assistant Inspectors of Midwives | ... | ... | Miss M. Bradley, Miss A. V. Bath, Miss C. Teale. |
| Sampling Officers under the Food and Drugs Act, 1938 | ... | ... | W. W. Johnston, H. A. Rundle, K. R. C. Martin, J. Shea. |

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

| | | | |
|---|-----|------------|---------------------------------|
| Area | ... | ... | 864,126 acres. |
| Population, 1940 (excluding Scilly Isles) | ... | 329,138 | (Registrar General's estimate). |
| Number of inhabited houses (1931 census) | ... | 83,544 | |
| Rateable Value | ... | £1,536,718 | |
| Sum represented by a penny rate | ... | £6,094 | |

The chief industries according to the 1931 Census were:—

| | Males. | Females. | Total. |
|-------------------------------|--------|----------|--------|
| Agricultural | 22,588 | 1,204 | 23,792 |
| Clay, Sand, Gravel, etc. pits | 3,883 | 41 | 3,924 |
| Tin and Copper Mines | 665 | 12 | 677 |
| Other Mines | 2,556 | 18 | 2,574 |
| Stone Quarries, Mines, etc. | 2,068 | 14 | 2,082 |
| Fishing | 2,488 | 5 | 2,493 |

These figures exclude those persons out of employment on Census Day.

Live Births.

| | Male. | Female. | Total. |
|--------------|-------|---------|--------|
| Legitimate | 2,127 | 1,945 | 4,072 |
| Illegitimate | 100 | 96 | 196 |
| Total | 2,227 | 2,041 | 4,268 |

Birth rate per 1,000 of the estimated resident population, 12.97.

Still Births.

| Male. | Female. | Total. |
|-------|---------|--------|
| 78 | 85 | 163 |

Rate per 1,000 total (live and still) births, 36.78.

Deaths.

| Male. | Female. | Total. |
|-------|---------|--------|
| 2,357 | 2,567 | 4,924 |

Death rate per 1,000 of the estimated average population, 14.96.

Deaths from Puerperal causes:—

| | | | | |
|------------------------|-----|----|--|------|
| Puerperal Sepsis | ... | 1 | Rate per 1,000 total (live and still) births | 0.22 |
| Other Puerperal causes | 10 | " | " | 2.18 |
| Total | ... | 11 | " | 2.40 |

Death rate of infants under 1 year of age:—

| | | |
|---|-----|-------|
| All infants per 1,000 live births | ... | 48.26 |
| Legitimate infants per 1,000 legitimate live births | ... | 46.41 |
| Illegitimate infants per 1,000 illegitimate live births | ... | 86.73 |
| Death from Cancer (all ages) | ... | 577 |
| " " Measles (all ages) | ... | 6 |
| " " Whooping cough (all ages) | ... | 5 |
| " " Diarrhoea (under 2 years of age) | ... | 12 |

Comparative Rates.

| | Cornwall. | England & Wales. |
|---|-----------|------------------|
| Live births, rate per 1,000 total population | 12.97 | 14.6 |
| Stillbirths, rate per 1,000 total population | 0.49 | 0.55 |
| Total deaths under 1 year, rate per 1,000 live births | 48.26 | 55.0 |
| Diarrhoea, under 2 years, rate per 1,000 live births | 2.8 | 4.6 |
| Deaths from all causes, per 1,000 of the population | 14.96 | 14.3 |
| " Enteric Fever per 1,000 of the population | 0.006 | 0.00 |
| " Measles | 0.018 | 0.02 |
| " Scarlet Fever | 0.009 | 0.00 |
| " Whooping Cough | 0.015 | 0.02 |
| " Diphtheria | 0.079 | 0.06 |
| " Influenza | 0.34 | 0.32 |
| Maternal Mortality | | |
| Puerperal sepsis | 0.22 | 0.52 |
| rate per 1,000 | | |
| Other puerperal causes | 2.18 | 1.64 |
| total births. | | |
| Total | 2.40 | 2.16 |

Birth Rate.

The birth rate in Cornwall for 1940 was 12.97 as compared with 14.6 for England and Wales.

Infant Mortality.

The infant mortality rate was 48.26 per 1,000 live births as compared with 55.0 for England and Wales. With one exception (46 in 1935), this is the lowest infant mortality rate for Cornwall on record. Of the 206 infant deaths, 141 were due to congenital debility, premature birth, malformations, etc.

Infant mortality rates:—

| | Cornwall. | England & Wales. |
|------|-----------|------------------|
| 1898 | 156 | 160 |
| 1900 | 126 | 154 |
| 1910 | 85 | 105 |
| 1911 | 129 | 130 |
| 1920 | 59 | 80 |
| 1930 | 51 | 60 |

| | | | | Cornwall. | England & Wales. |
|------|-----|-----|-----|-----------|------------------|
| 1931 | ... | ... | ... | 54 | 66 |
| 1932 | ... | ... | ... | 54 | 65 |
| 1933 | ... | ... | ... | 52 | 64 |
| 1934 | ... | ... | ... | 57 | 59 |
| 1935 | ... | ... | ... | 46 | 57 |
| 1936 | ... | ... | ... | 51 | 59 |
| 1937 | ... | ... | ... | 49 | 58 |
| 1938 | ... | ... | ... | 50 | 53 |
| 1939 | ... | ... | ... | 59 | 50 |
| 1940 | ... | ... | ... | 48 | 55 |

Death Rate.

The death rate for Cornwall (14.96) is higher than that for England and Wales (14.3).

Chief causes of death at all ages:—

| | | |
|--|-----|-------|
| Diseases of Heart and Blood Vessels | ... | 1,482 |
| Cancer | ... | 577 |
| Respiratory disease | ... | 529 |
| Suicide and deaths from violence | ... | 222 |
| Tuberculosis | ... | 210 |
| Congenital Debility, premature birth, etc. | ... | 141 |
| Influenza | ... | 113 |

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Laboratory Facilities.

The Royal Cornwall Infirmary, Truro, Pathological Department, under the charge of Dr. F. D. M. Hocking.

The Redruth Clinical Laboratory under the charge of Dr. C. Rivers.

The Laboratory of the Public Analyst (Dr. H. E. Cox), 11, Billiter Square, London, E.C.3. Specimens of water and food, etc., are sent to this Laboratory by the County Council.

District Councils make their own arrangements with various Laboratories.

Ambulance Facilities.

Motor ambulances are provided and maintained by voluntary organisations, and there is a Joint Committee of representative members of the British Red Cross Society and The Order of St. John, the Cornwall Voluntary Aid Organisation.

The following are the motor ambulances connected with this organisation:—

| Station. | Garage. | Officer-in-Charge. |
|------------|-------------------------|--|
| St Austell | South Street. Tel. 202. | Comdt. G. H. Grenfell, B.R.C.S. Det. No. 9, Calartha. Tel. 72. |
| Bodmin | Head Quarters S.J.A.B. | Supt. W. W. Hearn, S.J.A.B., 14, Clifden Tce. |

| Station | Garage. | Officer-in-Charge. |
|------------|---|--|
| Camborne | College Street. | Supt. W. E. Butler, S.J.A.B., 50, Manor Road, Tel. 2222 (Police). |
| Camelford | Ambulance Station. Tel. 50. | Supt. C. S. Moyse, S.J.A.B., Fore Street. Tel. 50. |
| Falmouth | Ambulance Hall, Quarry Hill. Tel 83. | Supt. J. Jackman, S.J.A.B., Hazelmere, Albany Road. Tel. 583. |
| Hayle | Pearce's Garage. Tel. 147. | Supt. J. R. Bond, S.J.A.B., 15, Copper Tce., Hayle. Tel. 55. |
| Helston | Wendron Street. Tel. 58. | Supt. J. B. Gilbert, S.J.A.B., 11, Meneage St., Tel. 58. |
| Illogan | Headquarters, S.J.A.B., Pool, Redruth. | Supt. W. H. Kevern, S.J.A.B., 107, Agar Road, Illogan Highway, Redruth. Tel. 417. |
| St. Ives | Dove Street. | Supt. W. H. Care, S.J.A. Div., Gabriel Street, Tel. 81. |
| Launceston | Ambulance Station, Westgate Street. Tel. 32. | Supt. Richard Heard, S.J.A.B., Elmside. Tel. 32. |
| Liskeard | Ambulance Station, Fair Park. | Transpt. Sgt. S. C. Sanders, S.J.A.B., 13, Fore Street. |
| Pendeen | Ambulance Hall, Trewellard, Pendeen. Tel. St. Just 52 and 40. | Amb. Off. D. J. Briggs, S.J.A.B., Trewelland, Pendeen. Tel. St. Just 21. |
| Penzance | Penalverne Car Park. | Supt. T. C. Cooper, S.J.A.B., Alverton Street, Tel. 287. |
| Redruth | Headquarters, S.J.A. Div., Basset Street. Tel. 159. | Supt. C. C. Pellowe, S.J.A.B., Trewirgie Vean. Tel. 159. |
| Truro | City Road. | Supt. F. Graae, S.J.A.B., 15, Prospect Place, Tel. 2439. |

In addition to the above, there are also ambulances at Bude, Newquay and Torpoint.

These ambulances are not available for ordinary infectious disease, but are used in connection with the Council's Public Health Services. Ambulances for ordinary infectious disease are provided by the District Councils in connection with the Isolation Hospitals. The County Council make a grant of £10 per ambulance to the Cornwall Voluntary Aid Organisation, to be devoted solely to expenses in connection with road accidents.

SANITARY CIRCUMSTANCES OF THE AREA.

County Councils are not Sanitary Authorities for such purposes as water supply, sewerage, and the arrangements for dealing with infectious disease, but under the Local Government Act, 1929, County Councils may make grants to District Councils in aid of schemes for water supply and sewerage. Grants have been made by the County Council in aid of water supplies for rural areas.

Rivers and Streams. Action to check pollution of rivers or streams may be taken by District Councils or by the County Council.

Schools. The sanitary condition and water supply of the Schools is constantly receiving the attention of the Education Committee, and as opportunity offers Schools are connected with water and drainage schemes.

HOUSING.

Housing Act, 1936. A grant of £1 per house for 40 years has been approved in respect of the following Districts:—

| District | No. of houses. |
|--------------------|----------------|
| Kerrier Rural | 45 |
| Truro Rural | 14 |
| St. Germans Rural | 9 |
| Wadebridge Rural | 18 |
| West Penwith Rural | 25 |

INSPECTION AND SUPERVISION OF FOOD.

Milk (Special Designations) Orders, 1936 and 1938. These Orders provide that no person may use a "special designation" for any milk unless there is in force a milk licence authorising the use of that designation in connection with that milk, nor may any description be used in regard to the sale of milk which is calculated falsely to suggest that the cows are free from tuberculosis or that the milk has been graded or tested by any competent person.

The County Council is responsible for the granting of licences for the production of Tuberculin Tested milk and Accredited milk.

| | | | | | Tuberculin Tested. Accredited. | |
|--|---|---|---|------|--------------------------------|-----|
| No. of licences on 31st December, 1936 | | | | | 36 | 232 |
| " | " | " | " | 1937 | 36 | 299 |
| " | " | " | " | 1938 | 60 | 328 |
| " | " | " | " | 1939 | 96 | 400 |
| " | " | " | " | 1940 | 100 | 462 |

The following number of samples were taken during the year, with the results shown:—

| | | | | Tuberculin Tested. Accredited. | |
|----------------------|---|----------------|--|--------------------------------|-------|
| No. of samples taken | | | | 379 | 1,362 |
| " | " | satisfactory | | 271 | 892 |
| " | " | unsatisfactory | | 108 | 470 |

The unsatisfactory samples were made up as follows:—

| | | |
|--|----|-----|
| Failed Methylene Blue Reductase Test | 10 | 49 |
| Excessive bacillus coli content ... | 59 | 287 |
| Failed Methylene Blue Reductase Test and Excessive B.Coli content ... | 39 | 134 |

Milk Supplied to Schools. The Milk in Schools Scheme continued to be popular and arrangements were made with the various Evacuating Authorities for free milk to be made available for such of their children as needed it. There was a certain amount of difficulty in obtaining supplies of approved milk to meet the greatly increased demand, but every effort was made to overcome these difficulties and to make suitable provision for all schools, both Cornish and evacuated. At the end of the year 22,670 Elementary and 902 Secondary School pupils were receiving milk. The corresponding figures for 1939 were 17,120 and 1,067.

Meat and other Foods.

The County of Cornwall Act 1929, S.68, when adopted by a District Council provides for the registration of manufacturers, vendors, merchants, dealers, and premises for the manufacture or storage or sale of ice-cream. The majority of the District Councils have adopted this Section of the Act.

S.69 is in operation without adoption and provides for the notification of infectious disease and for dealing with infected ice-cream. It also provides for the inspection of materials, commodities or articles of food on such premises.

Adulteration, etc.

Samples taken during the year under the Food and Drugs Act 1938, were as follows:—

| Name of Article | Number of Samples taken | Genuine | Adulterated | Remarks |
|--|-------------------------|---------|-------------|---|
| Baking Powder ... | 1 | 0 | 1 | Deficient in Carbon Dioxide. |
| Beef Suet ... | 1 | 1 | — | |
| Butter ... | 8 | 6 | 2 | Excess water |
| Cheese ... | 6 | 6 | — | |
| Coffee ... | 3 | 3 | — | |
| Condensed Milk ... | 1 | 1 | — | |
| Cooking Fat ... | 3 | 3 | — | |
| Crab Paste ... | 1 | 1 | — | |
| Cream ... | 2 | 2 | — | |
| Custard Powder ... | 2 | 2 | — | |
| Dripping ... | 5 | 5 | — | |
| Drugs ... | 5 | 4 | 1 | Spirit of Nitre deficient in Ethyl Nitrite. |
| Egg and Milk Toffee ... | 1 | 1 | — | |
| Egg saving powder and dried Eggs ... | 2 | 2 | — | |
| Fish Dressing ... | 1 | 1 | — | |
| Flour ... | 2 | 2 | — | |
| Gin ... | 2 | 2 | — | |
| Golden Crumbs ... | 1 | 1 | — | |
| Ground Almonds ... | 4 | 4 | — | |
| Ham loaf ... | 1 | 1 | — | |
| Ice Cream ... | 8 | 5 | 3 | Deficient in fats. |
| Jam and Honey ... | 3 | 3 | — | |
| Lard and Lard Substitutes ... | 5 | 5 | — | |
| Malted Milk ... | 1 | 1 | — | |
| Margarine ... | 6 | 5 | 1 | Excess water |
| Marmalade ... | 3 | 2 | 1 | Deficient in soluble solids. |
| Meat Pastes ... | 2 | 2 | — | |
| Milk ... | 210 | 175 | 35 | 10 added water. 15 deficient in fats. 10 deficient in non-fatty solids. |
| Orange Wine ... | 1 | 1 | — | |
| Pepper ... | 6 | 6 | — | |
| Rice ... | 2 | 2 | — | |
| Ruby Wine ... | 1 | 1 | — | |
| Rum ... | 4 | 4 | — | |
| Saffron Substitute ... | 1 | 1 | — | |
| Salmon Creme ... | 1 | 1 | — | |
| Sausages ... | 51 | 48 | 3 | 2 deficient in meat. 1 contained sulphite preserve. |
| Self Raising Flour (double strength) ... | 1 | 0 | 1 | Not double strength. |
| Spirit colouring ... | 1 | 1 | — | |
| Vinegar ... | 2 | 2 | — | |
| Whisky ... | 19 | 16 | 3 | 1 added water. 2 contained synthetic dyestuffs. |
| TOTALS ... | 380 | 329 | 51 | 13.4% adulterated. |

There were also 335 Gerber tests of milk during 1940.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

In anticipation of increased epidemic illness due to the reception of refugees and evacuees, the Truro Public Assistance Institution was converted into an improvised Isolation Hospital and opened as such in June, 1940. This hospital fulfilled a very useful function in providing accommodation for the very large number of cases of epidemic diseases which occurred, particularly towards the end of the year 1940.

The following figures show the incidence of infectious diseases during the year, as compared with the previous year.

Diphtheria. 392 cases with 26 deaths occurred during the year 1940 as compared with 86 cases with 15 deaths during the year 1939.

The great increase in incidence of Diphtheria emphasizes the urgent need for active schemes for immunisation against Diphtheria throughout the County. Generally speaking schemes were in operation and were actively pressed with great success by all Medical Officers of Health.

Scarlet Fever. 617 cases with 3 deaths occurred during the year 1940 as compared with 403 cases with no deaths during the previous year.

Enteric Fever. 18 cases with 2 deaths occurred during the year 1940 as compared with 6 cases with 1 death during the previous year.

Cerebro-Spinal Fever. 67 cases occurred during the year 1940 as compared with 2 cases during the year 1939.

Measles and Whooping Cough. 4,492 cases of Measles and 287 cases of Whooping Cough with 6 and 5 deaths respectively as compared with 41 cases of Measles and 106 of Whooping Cough with 1 and 12 deaths respectively during the period October—December 1939. The provision of isolation hospital accommodation for these diseases has long been recognised as necessary.

Measles and Whooping Cough were made notifiable as from the 1st October, 1939.

Cancer. 577 deaths during the year 1940 as compared with 623 during the year 1939 and 635 during the year 1938.

TUBERCULOSIS.

The Council's Sanatorium at Tehidy has 108 beds, and there are tuberculosis treatment centres at Penzance, Tuckingmill, Truro, St. Austell and Liskeard. A table showing work at the treatment centres is given at the end of the Report (Table II).

The Tuberculosis Officer, on receipt of a notification, informs the notifying practitioner that he proposes to follow up the notification unless the practitioner reports that there are special reasons why this should not be done.

No action has been taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925 (relating to persons suffering from Pulmonary

Tuberculosis employed in the milk trade), or under Section 172 of the Public Health Act, 1936 (relating to the compulsory removal to hospital of persons suffering from Tuberculosis).

New Cases and Mortality during 1940.

| Age Period. | New Cases. | | | | Deaths. | | | |
|----------------|------------|----|----------------|----|------------|----|----------------|----|
| | Pulmonary | | Non-Pulmonary. | | Pulmonary. | | Non-Pulmonary. | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| 0—1 ... | — | — | — | — | — | — | — | 2 |
| 1—5 ... | — | — | 1 | 2 | — | — | 1 | 4 |
| 5—15 ... | 6 | 3 | 11 | 10 | — | — | 4 | 4 |
| 15—45 ... | 65 | 67 | 11 | 8 | 50 | 51 | 7 | 10 |
| 45—65 ... | 39 | 13 | 2 | 2 | 37 | 16 | 1 | 2 |
| 65 and upwards | 6 | 6 | — | 1 | 10 | 5 | 4 | 2 |
| Totals ... | 116 | 89 | 25 | 23 | 97 | 72 | 17 | 24 |

The following Table shows the cases actually diagnosed as tuberculosis by the County Tuberculosis Officer:—

NEW (DEFINITE) CASES.

| Year | Pulmonary | | | | | Non-Pulmonary | | | | | Pulmonary and Non-Pulmonary |
|------|-----------|-------|------|-------|--------|---------------|-------|------|-------|-------|-----------------------------|
| | Men. | Women | Boys | Girls | Total. | Men | Women | Boys | Girls | Total | |
| 1926 | 186 | 98 | 7 | 3 | 294 | 18 | 18 | 14 | 11 | 61 | 355 |
| 1927 | 111 | 89 | 7 | 8 | 215 | 9 | 16 | 16 | 6 | 47 | 262 |
| 1928 | 106 | 105 | 10 | 5 | 226 | 11 | 11 | 12 | 5 | 39 | 265 |
| 1929 | 110 | 88 | 3 | 3 | 204 | 12 | 17 | 7 | 6 | 42 | 246 |
| 1930 | 94 | 92 | 3 | 7 | 196 | 18 | 12 | 13 | 2 | 45 | 241 |
| 1931 | 107 | 95 | 4 | 5 | 211 | 9 | 10 | 4 | 4 | 27 | 238 |
| 1932 | 102 | 92 | 3 | 3 | 200 | 8 | 15 | 8 | 7 | 38 | 238 |
| 1933 | 103 | 78 | — | 7 | 188 | 13 | 7 | 2 | 2 | 24 | 212 |
| 1934 | 91 | 74 | 1 | 4 | 170 | 12 | 18 | 7 | 8 | 45 | 215 |
| 1935 | 87 | 51 | 2 | — | 140 | 8 | 10 | 4 | 4 | 26 | 166 |
| 1936 | 77 | 66 | 1 | 4 | 148 | 7 | 5 | 4 | 2 | 18 | 166 |
| 1937 | 79 | 60 | 6 | 3 | 148 | 12 | 4 | 5 | 1 | 22 | 170 |
| 1938 | 92 | 56 | 3 | — | 151 | 17 | 11 | 8 | 6 | 42 | 193 |
| 1939 | 74 | 64 | 3 | 3 | 144 | 10 | 13 | 8 | 10 | 41 | 185 |
| 1940 | 93 | 68 | 5 | 2 | 168 | 10 | 5 | 6 | 9 | 30 | 198 |

The following Table shows the number and sexes for the year 1940:—

| New Cases confirmed by County Tuberculosis Officer. | | | | | | | | | | | |
|---|----|----------------|----|------------|----|----------------|----|------------|----|----------------|----|
| Notifications. | | | | | | | | Deaths. | | | |
| Pulmonary. | | Non-Pulmonary. | | Pulmonary. | | Non-Pulmonary. | | Pulmonary. | | Non-Pulmonary. | |
| M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| 116 | 89 | 25 | 23 | 98 | 70 | 16 | 14 | 97 | 72 | 17 | 24 |
| 205 | | 48 | | 168 | | 30 | | 169 | | 41 | |
| 253 | | | | 198 | | | | 210 | | | |

The notifications of non-pulmonary tuberculosis were as follows:—

| | 1938 | 1939 | 1940 |
|----------------------------|------|------|------|
| Bones and joints | 38 | 26 | 23 |
| Glands | 13 | 9 | 9 |
| Meninges | 7 | 7 | 8 |
| Abdomen and peritoneum ... | 5 | 3 | 5 |
| Kidneys and Bladder ... | 2 | 4 | 2 |
| Others | 5 | 2 | 2 |
| | — | — | — |
| | 70 | 51 | 49 |
| | — | — | — |

VENEREAL DISEASES.

Treatment Centres: (1) Royal Cornwall Infirmary, Truro, (2) Tuckingmill, near Camborne, (3) The City Hospital, Plymouth. All Treatment Centres in the Country are open to all comers.

Summary of Work done:—

| | TREATMENT CENTRE AT PLYMOUTH. (Patients from Cornwall only). | | | | | TREATMENT CENTRE AT TUCKINGMILL. | | | | | Treatment Centre at Truro | |
|--|--|------|------|------|------|-------------------------------------|------|------|------|------|---------------------------------|------|
| | 1920 | 1937 | 1938 | 1939 | 1940 | 1920 | 1937 | 1938 | 1939 | 1940 | (from May) 1939 | 1940 |
| No. of Persons dealt with at the out-patient Dept. for the first time and found to be suffering from:— | | | | | | | | | | | | |
| Syphilis | 55 | 7 | 5 | 12 | 4 | 54 | 21 | 31 | 22 | 13 | 22 | 69 |
| Soft Chancre | — | 1 | 2 | 2 | 1 | — | 2 | 4 | 2 | 1 | 1 | 2 |
| Gonorrhœa | 20 | 38 | 40 | 28 | 12 | 37 | 78 | 76 | 43 | 25 | 56 | 116 |
| Conditions other than Venereal | 18 | 24 | 32 | 26 | 18 | 3 | 47 | 32 | 39 | 10 | 26 | 83 |
| Total | 93 | 70 | 79 | 68 | 35 | 94 | 149 | 143 | 106 | 49 | 105 | 270 |
| Total No. of attendances at the out-patient dept. | 808 | 682 | 876 | 688 | 546 | 554 | 1408 | 1245 | 851 | 529 | 900 | 2083 |
| Aggregate No. of in-patient days | 1059 | 842 | 719 | 355 | 397 | — | 35 | 136 | 39 | — | 528 | 990 |
| No. of doses of Arsenobenzenes Compounds given. (Out-patients and In-patients.) | 305 | 109 | 99 | 84 | 111 | 302 | 373 | 338 | 374 | 176 | 194 | 748 |
| Examination of pathological material at the Treatment Centre or sent to an approved laboratory for— | | | | | | | | | | | | |
| Detection of Spirochetes | 1 | — | 16 | — | — | 1 | — | — | — | — | 4 | 21 |
| „ Gonococci | 32 | 155 | 328 | 232 | 137 | 30 | 147 | 94 | 74 | 44 | 95 | 272 |
| Wassermann reaction | 117 | 75 | 82 | 74 | 62 | 89 | 108 | 98 | 93 | 59 | 159 | 164 |
| Others | — | — | — | — | 19 | — | 74 | 90 | 88 | 38 | 104 | 149 |

A new Treatment Centre was opened at the Royal Cornwall Infirmary, Truro, in 1939, and three beds are reserved for cases requiring in-patient treatment. Arrangements are made for new cases to be seen at any time and irrigations and other treatment carried out daily.

Summary for Cornish Patients.

| | 1920. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|
| New cases | 187 | 181 | 251 | 219 | 222 | 279 | 354 |
| Total attendances at Clinics | 1,362 | 1,655 | 2,301 | 2,090 | 2,121 | 2,439 | 3,158 |
| Specimens examined from Clinics | 270 | 364 | 575 | 559 | 708 | 923 | 965 |

The following shows the number of new cases at the Treatment Centres actually found to be suffering from venereal diseases:—

| 1920. | 1930. | 1931. | 1932. | 1933. | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 166 | 144 | 130 | 145 | 142 | 155 | 122 | 174 | 148 | 158 | 188 | 243 |

The Pathological Department of The Royal Cornwall Infirmary, Truro, under the direction of Dr. F. D. M. Hocking, has been approved by the Minister of Health for the examination of specimens from persons suffering, or suspected to be suffering, from Venereal Disease. The necessary outfits and directions may be obtained from Dr. Hocking.

BLIND PERSONS.

Blind children 5—16 years of age are educated at the Exeter Blind Institution. After the age of 16 years suitable blind persons are trained for various occupations at the South Devon and Cornwall Institution for the Blind, Plymouth.

After training, a blind person may become a home worker under the supervision of the Institution, or in exceptional circumstances may work in the Institution.

There are 5 Home Teachers, four sighted and one blind. These work under the County Blind Association and visit the homes of blind persons and teach Moon and Braille reading, and otherwise keep under observation all blind persons who wish to be visited. 7,660 visits were made by these Home Teachers to blind persons, and 404 lessons given. There are 62 Library members.

Prevention of Blindness. The Council have adopted a system of voluntary notification by medical practitioners of persons threatened with blindness.

There were 800 registered blind persons on 31st March, 1941, 313 males and 487 females, and in addition 245 "watching" cases. 52 new cases were registered during the year 1940.

254 wireless sets are on loan to blind persons from the British Wireless Fund. 639 certificates under the Wireless Telegraphy (Blind Persons Facilities) Act 1926, are in operation at present.

VACCINATION.

The following is a summary of returns by Vaccination Officers as to vaccination of children whose births were registered during the year ended the 31st December, 1940.

| No. of births. | Success-fully vaccin-ated. | Insus-ceptible of vacci-nation. | Statutory declarations of consci-entious objections. | Died unvaccinated. | Postpone-ment by Medical Certificate. | Removed to other Districts. | Removed to places unknown. | Not account-ed for. |
|----------------|----------------------------|---------------------------------|--|--------------------|---------------------------------------|-----------------------------|----------------------------|---------------------|
| 4,630 | 831 | 24 | 2,831 | 144 | 25 | 154 | 407 | 224 |

MATERNITY AND CHILD WELFARE.

Area. The County Council is the Supervising Authority under the Midwives Acts for the whole County, but for other Maternity and Child Welfare work the 2 Boroughs of Penzance and Falmouth are separate Authorities. These Boroughs are also separate Education Authorities.

Maternity Ward. A maternity ward with 19 beds is maintained by the Council at the West Cornwall Miners' and Women's Hospital, Redruth, under an agreement with the governing body of that Institution. 221 cases were admitted during the year, as compared with 109 in the previous year. There were 6 Infant deaths, certified as premature, and 9 still births.

The following were the chief reasons for admission:—

| | | | |
|---------------------------------|-----|-----|----|
| Home conditions | ... | ... | 59 |
| Previous History of abnormality | | | 26 |
| Contracted Pelvis | ... | ... | 25 |
| Albuminuria | ... | ... | 18 |
| Eclampsia | ... | ... | 7 |

29 Caesarian sections were performed, i.e. 13.12% of total admissions, as compared with 13% for the previous year.

Of the 221 cases admitted 91 were delivered by midwives and 93 by Doctors. In the other cases confinement did not take place while in the Hospital. There were also 57 cases admitted to other hospitals in Cornwall.

Difficult cases from the Eastern part of the County may be admitted to the Prince of Wales's Hospital, Plymouth, The City Hospital, Plymouth, The Alexandra Homes, Devonport, and the Royal Devon and Exeter Hospital, Exeter. Twenty-two cases were admitted to these Hospitals during the year.

Maternity Cases. In the Institutions transferred to the County Council under the Local Government Act, 1929, there are 17 maternity beds, to which 70 women were admitted during the year, 45 being delivered by midwives and 3 by Doctors, the remainder being delivered before admission.

Rosemundy Home, 19 beds, for unmarried girls, is maintained by the Cornwall Preventive and Rescue Association. The girls are usually retained for one year.

Midwifery.

| | 1914. | 1939. | 1940. |
|--|----------------|----------------|----------------|
| Number of births in the County | 6,413 | 4,089 | 4,431 |
| Number attended by Midwives acting as Midwives | 1,690 (26.35%) | 2,274 (55.60%) | 2,490 (56.19%) |
| Number attended by Midwives acting as Maternity Nurses | 1,089 (16.98%) | 1,605 (39.25%) | 1,660 (37.46%) |
| Total attended by Midwives in either capacity | 2,779 (43.33%) | 3,879 (94.85%) | 4,150 (93.65%) |

Medical help was sent for by Midwives in 51.08% of their cases as compared with 61.68% for 1939, 56.07% for 1938, 52.43% for 1937, and 51.91% for 1936.

Maternity Mortality. There was 1 death from Sepsis and 10 from other causes connected with child bearing, making a total of 11 deaths. The following are the rates per 1,000 births, including still births in the last few years.

| | | Sepsis. | Other Causes. | Total Cornwall. | England & Wales. |
|---------|-----|---------|---------------|-----------------|------------------|
| 1919-22 | ... | 0.76 | 3.26 | 4.02 | — |
| 1924 | ... | 0.58 | 2.12 | 2.70 | 3.90 |
| 1925 | ... | 1.82 | 5.05 | 6.87 | 4.08 |
| 1926 | ... | 0.62 | 2.47 | 3.09 | 4.12 |
| 1927 | ... | 1.27 | 3.17 | 4.44 | 4.11 |
| 1928 | ... | 1.71 | 3.86 | 5.57 | 4.42 |
| 1929 | ... | 1.94 | 3.24 | 5.18 | 4.33 |
| 1930 | ... | 0.86 | 3.87 | 4.73 | 4.40 |
| 1931 | ... | 0.85 | 2.78 | 3.63 | 3.94 |
| 1932 | ... | 0.87 | 2.85 | 3.72 | 4.06 |
| 1933 | ... | 1.81 | 2.72 | 4.53 | 4.23 |
| 1934 | ... | 1.81 | 4.09 | 5.91 | 4.41 |
| 1935 | ... | 0.68 | 3.88 | 4.57 | 3.93 |
| 1936 | ... | 1.14 | 2.75 | 3.89 | 3.65 |
| 1937 | ... | 0.48 | 3.12 | 3.60 | 3.11 |
| 1938 | ... | 1.42 | 3.32 | 4.74 | 2.97 |
| 1939 | ... | 0.72 | 2.62 | 3.34 | 2.82 |
| 1940 | ... | 0.22 | 2.18 | 2.40 | 2.16 |

The rates for particular years are very variable owing to the comparatively small number of births. The rate for the last five years was 3.59 and for the previous five years 4.47.

Ante-natal Examinations. The Council have a scheme under which a midwife may arrange with a medical practitioner for an ante-natal examination of her patients, and 1,080 such primary examinations were made during 1940. In 1939 there were 1,023 examinations, and the previous year 1,155. Arrangements are now made for two ante-natal and one post-natal examinations.

* **Consultants.** A second opinion was obtained by medical practitioners for 37 patients under the Council's scheme.

Work of the Health Visitors. The following is the work of the whole-time Health Visitors and District Nurses acting as Health Visitors, for the years ended 31st March:—

| | 1938. | 1939. | 1940. | 1941. |
|--|--------|--------|--------|--------|
| Health visits to mothers and children ... | 54,931 | 55,381 | 53,890 | 56,016 |
| Attendances at Clinics and Treatment Centres ... | 391 | 315 | 315 | 318 |
| Visits to tuberculosis patients ... | 2,846 | 2,666 | 3,142 | 2,442 |
| Sessions at Infant Welfare Centres ... | 1,311 | 1,083 | 1,215 | 1,261 |
| Lectures and talks to mothers ... | 286 | 230 | 280 | 180 |
| School inspections ... | 639 | 652 | 642 | 763 |
| Visits to homes of school children ... | 10,234 | 7,466 | 5,995 | 20,181 |
| School children followed up ... | 2,817 | 1,358 | 1,040 | 5,075 |
| Special visits to schools ... | 1,092 | 1,131 | 1,015 | 1,664 |
| Visits to boarded-out children ... | 622 | 623 | 653 | 649 |

Excluding the Boroughs of Penzance and Falmouth, which have separate Maternity and Child Welfare Schemes, the County Health Visitors with the District Nurses acting for the County Council made the following visits:—

To Expectant Mothers—

| | 1937. | 1938. | 1939. | 1940. |
|------------------|--------|--------|--------|--------|
| First visits ... | 3,072 | 3,285 | 3,132 | 3,229 |
| Total visits | 17,125 | 20,041 | 19,558 | 18,776 |

To children under 1 year of age—

| | | | | |
|------------------|--------|--------|--------|--------|
| First visits ... | 3,413 | 3,443 | 3,240 | 3,436 |
| Total visits ... | 23,842 | 25,505 | 24,856 | 25,560 |

To children between the ages of 1 and 5 years—

| | | | | |
|------------------|--------|--------|--------|--------|
| Total visits ... | 30,189 | 29,876 | 29,034 | 27,641 |
|------------------|--------|--------|--------|--------|

Work of the Cornwall County Nursing Association for the Year ended
31st March, 1941.

| | |
|---|-----|
| Number of District Nursing Associations ... | 130 |
| Nurses employed | 169 |

Of these 16 are Queens Nurses.

22 are Hospital trained with District Nursing.

131 are State Registered Midwives.

New patients attended by Nurses:—

| | |
|--------------------------------------|---------|
| Medical | 8,966 |
| Surgical | 6,662 |
| Midwifery and maternity cases | 3,082 |
| | <hr/> |
| | 18,710 |
| | <hr/> |
| Nursing visits | 284,251 |
| Casual visits | 47,009 |
| Ante-natal visits | 18,776 |
| Nights on duty | 2,068 |
| Operations attended | 271 |

Emergency Nurses. Five emergency nurses are provided by the County Nursing Association for the use of the County Council when required for the nursing of cases of Puerperal Pyrexia, Puerperal Fever, and Ophthalmia Neonatorum. When not employed by the Council they are employed by the County Nursing Association and the District Nursing Associations.

Nursing in the Home. This is undertaken by the 131 District Nursing Associations, 130 of which are affiliated to the County Nursing Association and employ 169 nurses. North Tamerton is included in the Devon County Nursing Association.

Infant Welfare Centres. No Centres are maintained by the Council. The following Centres are maintained by Voluntary Associations in the County Maternity and Child Welfare Area:—

| | |
|-----------------|---------------------|
| Bodmin. | Padstow. |
| Bude. | Penryn. |
| Camborne. | Perranporth. |
| Camelford. | Redruth. |
| Grampound Road. | St. Agnes |
| Hayle. | St. Austell. |
| Illogan (Pool). | St. Blazey and Par. |
| Launceston. | St. Day. |
| Liskeard. | St. Ives. |
| Looe. | Truro. |
| Newquay. | Wadebridge. |

Total number of children who attended at the Centres for the first time during the year:—

| | 1934. | 1935. | 1936. | 1937. | 1938. | 1939. | 1940. |
|---|-------|-------|-------|-------|-------|-------|-------|
| Number of Centres ... | 16 | 17 | 17 | 20 | 22 | 23 | 22 |
| (i) Children under 1 year of age ... | 298 | 265 | 321 | 383 | 532 | 541 | 868 |
| (ii) Children between the ages of 1 and 5 years | 197 | 190 | 137 | 205 | 306 | 320 | 597 |
| Percentage of notified live births represented in | | | | | | | |
| (i) above ... | 8.38 | 7.31 | 9.1 | 11.2 | 15.24 | 15.37 | 22.31 |

In a rural county such as Cornwall most mothers find the distances too great to attend the Centres, and the Health Visitors follow up cases to their homes.

Ophthalmia Neonatorum.

| Cases | | | Vision Unimpaired. | Vision Impaired. | Total Blindness. | Deaths |
|-----------|----------|--------------|--------------------|------------------|------------------|--------|
| Notified. | Treated | | | | | |
| | At Home. | In Hospital. | | | | |
| 12 | 8 | 4 | 12 | — | — | — |

Many of the cases notified were very mild. An emergency nurse is supplied for home nursing when necessary.

Child Life Protection. 72 persons receiving children for reward were on the Register at the end of the year, and 135 such children were registered.

Squint. Arrangements are made for the examination of children under school age with Squint, and for the provision of glasses in necessitous cases. 12 children under school age were so examined during the year, and glasses provided free in 4 cases.

Nursing Homes Registration. There are 27 registered Nursing Homes.

Exemption from registration has been granted to 15 Hospitals. No powers have been delegated.

ORTHOPAEDIC TREATMENT.

Clinics. There were 10 Orthopaedic Clinics maintained by the County Council in 1940, with Dr. W. W. Rentoul as part-time Medical Officer, as follows:—

| Clinic. | Address. | Doctor's day. |
|-------------|---|--|
| St. Just | Women's Institute, St. Just. | 2nd Thursday in the month at 10.30 a.m. |
| Penzance | The Congregational School-room, Market Jew Street, Penzance. | Last Thursday in the month at 1.30 p.m. |
| Helston | Public Assistance Institution, Helston. | 3rd Monday in the month at 10.0 a.m. |
| Camborne | Church Mission Hall, Camborne. | 4th Wednesday in the month at 10.30 a.m. |
| Falmouth | All Saints Church Hall, The Crescent, Kimberley Park, Falmouth. | 2nd Tuesday in the month at 2.0 p.m. |
| Truro | The Royal Cornwall Infirmary, Truro. | 1st Monday in the month at 2.0 p.m. |
| St. Austell | New Health Centre, Moorland Road, St. Austell. | 3rd Tuesday in the month at 10.0 a.m. |
| Bodmin | Centenary Assembly Rooms, Fore Street, Bodmin. | 4th Friday in the month at 2.0 p.m. |
| Wadebridge | Congregational Church Rooms, Molesworth Rd., Wadebridge. | 3rd Friday in the month at 10.0 a.m. |
| Liskeard | Welfare Centre Buildings, Fair Park Road, Liskeard. | 2nd Saturday in the month at 10.0 a.m. |

The Orthopaedic Sister also attends weekly on the same days.

The Clinics at Penzance and Falmouth are provided in conjunction with the Penzance and Falmouth Local Education Authorities.

There are in addition the following Clinics:—

Launceston.—(Maintained by the Devonian Association).

Doctor's day: 1st Monday in the month at 2.30 p.m.

Mount Gold, Plymouth.—(Maintained by the Plymouth City Council). Doctor's days: 2nd and 4th Fridays in the month at 2.30 p.m.

Hospitals.

Truro.—The Royal Cornwall Infirmary, Truro.

Plymouth.—The Mount Gold Hospital, Mount Gold Road, Plymouth.

Exeter.—The Princess Elizabeth Orthopaedic Hospital, Buckerell Bore, Exeter.

Ivybridge.—The Dame Hannah Rogers' Orthopaedic Hospital, Ivybridge, Devon.

The number of Orthopaedic beds at the Royal Cornwall Infirmary, Truro, is 42.

Particulars of the work of the Clinics is shown in Tables III and IV at the end of the Report.

REPORT OF THE SUPERVISOR OF MIDWIVES.

The number of midwives who notified their intention to practise in the County during the year 1940 was 264. Of these, 16 were to fill vacancies of midwives who ceased to practise in the County during the year, and 13 were temporary appointments for holiday and relief duty. This leaves a total of 251 midwives available for work at the end of the year; the midwives practise as under:—

| Domiciliary Midwives. | Midwives in Institutions. | Total. |
|-----------------------|---------------------------|--------|
| 226 | 25 | 251 |

Of the domiciliary midwives 184 work under the Cornwall County Nursing Association. 3 work under independent associations, and 47 are in private practice.

The midwives are of 4 classes:—

| | 1939. | 1940. |
|---|-------|-------|
| (1) Village nurse-midwives, 15 months training ... | 210 | 204 |
| (2) Village nurse-midwives, 27 months training ... | — | 1 |
| (3) Hospital training and C.M.B. Certificate ... | 30 | 30 |
| (4) Queen's Nurses, Hospital, District and C.M.B. Certificate ... | 16 | 16 |

Of the 16 midwives who ceased to practise in the County 4 were for marriage, 5 for work in other counties, 1 was called up on active service, 4 for health reasons, 1 for other work, and 1 died.

Cases attended by midwives in different groups:—

| | C.C.N.A. | Indep. Assns. | P.A.I. Maternity Homes and Hosps. | Nursing Homes and Private Practice |
|--------------------|----------|---------------|-----------------------------------|------------------------------------|
| As midwife ... | 1,966 | 63 | 239 | 222 |
| As maternity nurse | 1,116 | 8 | 102 | 434 |

During the year 800 visits were made, in addition to 168 special visits of enquiry; an average of 4 visits to each practising midwife

Notifications Received.

(For all cases, domiciliary and institution).

| | Cases Attended. | Stillbirths. | Deaths. | | Artificial Feeding. | Liability |
|--------------------|--------------------|--------------|---------|--------|------------------------|----------------------|
| | | | Mother. | Child. | | to be Infectious. |
| As midwife ... | 2,490 | 55 | 2 | 28 | 94 | 69 |
| As maternity nurse | 1,660 | — | 3 | — | — | — |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| Totals ... | 4,150 | 55 | 5 | 28 | 94 | 69 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |

Number of Times Medical Aid Sought.

| | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-------|
| For Mother— | | | | | | |
| During Ante-natal Period | ... | ... | ... | ... | ... | 288 |
| At Labour | ... | ... | ... | ... | ... | 729 |
| During Puerperium | ... | ... | ... | ... | ... | 100 |
| For Child | ... | ... | ... | ... | ... | 155 |
| | | | | | | <hr/> |
| | | | | | | 1,272 |
| | | | | | | <hr/> |

M. RIDEN,
Supervisor of Midwives.

TABLE I.

Infectious Diseases notified in each district during the Year 1940.

| SANITARY DISTRICT | Smallpox | Diphtheria | Enteric Fever | Scarlet Fever | Erysipelas | Puerperal Pyrexia | Ophthalmia Neonatorum | Pulmonary Tuberculosis | Other forms of Tuberculosis | Encephalitis Lethargica | Acute Polio-Encephalitis | Acute Poliomyelitis | Cerebro-Spinal Fever | Pneumonia | Malaria | Measles | Whooping Cough | Totals |
|-------------------|----------|------------|---------------|---------------|------------|-------------------|-----------------------|------------------------|-----------------------------|-------------------------|--------------------------|---------------------|----------------------|-----------|---------|---------|----------------|--------|
| URBAN | | | | | | | | | | | | | | | | | | |
| Bodmin | .. | .. | 2 | .. | 1 | 1 | .. | 2 | 1 | .. | .. | .. | 9 | .. | .. | 3 | .. | 19 |
| Bude-Stratton | .. | .. | .. | 8 | .. | .. | .. | 4 | 1 | .. | .. | .. | .. | .. | .. | .. | 4 | 17 |
| Camborne-Redruth | .. | 12 | 1 | 39 | 12 | 10 | 1 | 31 | 6 | .. | .. | .. | 5 | 65 | .. | 152 | 10 | 344 |
| Falmouth | .. | 8 | .. | 27 | 4 | 6 | .. | 9 | 5 | .. | .. | .. | 4 | 11 | .. | 46 | 9 | 129 |
| Fowey | .. | .. | .. | 2 | .. | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 35 | .. | 39 |
| Helston | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Launceston | .. | .. | 1 | 7 | 4 | .. | .. | 3 | 2 | .. | .. | .. | 1 | 10 | .. | 60 | 30 | 118 |
| Liskeard | .. | .. | .. | 4 | 2 | 2 | .. | 2 | .. | .. | .. | .. | .. | 4 | .. | 12 | 2 | 28 |
| Looe | .. | 2 | .. | 5 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 18 | .. | 25 |
| Lostwithiel | .. | 1 | .. | 4 | .. | 2 | 2 | 1 | .. | .. | .. | .. | 1 | 7 | .. | 98 | 1 | 117 |
| Newquay | .. | 49 | .. | 6 | 3 | 1 | .. | 11 | 4 | .. | .. | 1 | 1 | .. | .. | 142 | 15 | 233 |
| Padstow | .. | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 3 | .. | .. | .. | 8 |
| Penryn | .. | 1 | .. | 5 | 2 | .. | 1 | 7 | .. | .. | .. | .. | .. | 3 | .. | 15 | .. | 34 |
| Penzance | .. | 113 | 2 | 20 | 7 | .. | .. | 16 | 5 | .. | .. | .. | 4 | 3 | .. | 344 | 7 | 521 |
| St. Austell | .. | 7 | 1 | 47 | 9 | 2 | 1 | 17 | 3 | .. | .. | .. | 3 | 8 | .. | 704 | 10 | 812 |
| St. Ives | .. | 5 | .. | 38 | 1 | 1 | .. | 2 | 1 | .. | .. | .. | .. | 1 | .. | 34 | .. | 83 |
| St. Just | .. | 34 | .. | 15 | 6 | .. | .. | 7 | .. | .. | .. | .. | .. | 1 | .. | 56 | 12 | 131 |
| Saltash | .. | 11 | .. | 12 | 4 | 1 | .. | 4 | .. | .. | .. | .. | .. | 17 | .. | 261 | 2 | 312 |
| Torpoint | .. | 3 | .. | 6 | .. | 1 | .. | 1 | 2 | .. | .. | .. | 2 | 14 | .. | 12 | 1 | 42 |
| Truro City | .. | 43 | .. | 21 | 2 | .. | 1 | 8 | 1 | .. | .. | .. | 10 | 4 | .. | 227 | 2 | 319 |
| TOTALS | .. | 291 | 8 | 267 | 57 | 27 | 6 | 127 | 31 | .. | .. | 1 | 42 | 151 | .. | 2219 | 105 | 3332 |
| RURAL | | | | | | | | | | | | | | | | | | |
| Camelford | .. | .. | 1 | 12 | 3 | .. | .. | 8 | .. | .. | .. | .. | 1 | 4 | .. | 34 | 27 | 90 |
| Kerrier | .. | 7 | 1 | 39 | 9 | 1 | .. | 4 | 2 | .. | .. | .. | 4 | 11 | .. | 52 | 35 | 165 |
| Launceston | .. | 1 | .. | 5 | 1 | 1 | .. | 3 | .. | .. | .. | .. | 1 | 8 | .. | 113 | 59 | 192 |
| Liskeard | .. | 6 | .. | 73 | 3 | 3 | 1 | 6 | 2 | .. | .. | 1 | 2 | 12 | .. | 122 | 3 | 234 |
| St. Austell | .. | 17 | 4 | 54 | 5 | 1 | 1 | 6 | 3 | .. | .. | .. | 3 | 7 | .. | 501 | 3 | 605 |
| St. Germans | .. | 37 | .. | 31 | 9 | 4 | .. | 7 | 2 | .. | .. | .. | 1 | 18 | .. | 235 | 15 | 359 |
| Stratton | .. | .. | .. | 7 | .. | .. | .. | 6 | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | 15 |
| Truro | .. | 5 | 4 | 38 | 7 | 3 | 1 | 22 | 9 | .. | .. | .. | 9 | 26 | .. | 747 | 25 | 896 |
| Wadebridge | .. | 21 | .. | 78 | 2 | 2 | .. | 3 | 1 | .. | .. | .. | 4 | 15 | .. | 237 | 3 | 366 |
| West Penwith | .. | 7 | .. | 13 | 2 | 1 | 1 | 23 | 3 | .. | .. | 1 | .. | 19 | 1 | 231 | 12 | 314 |
| TOTALS | .. | 101 | 10 | 350 | 41 | 16 | 4 | 88 | 23 | .. | .. | 2 | 25 | 120 | 1 | 2273 | 182 | 3236 |
| Whole County | .. | 392 | 18 | 617 | 98 | 43 | 10 | 215 | 54 | .. | .. | 3 | 67 | 271 | 1 | 4492 | 287 | 6568 |

TABLE II. TUBERCULOSIS.
RETURN SHOWING WORK OF DISPENSARIES.

| | | 1936. | 1937. | 1938. | 1939. | 1940. |
|---|-----------------------------|-------|-------|-------|-------|--------|
| NEW CASES examined during the year (excluding contacts) ... | Definitely tuberculous ... | 166 | 169 | 192 | 180 | 198 |
| | Diagnosis not completed ... | 52 | 61 | 71 | 61 | 79 |
| | Non-tuberculous ... | 332 | 369 | 380 | 378 | 525 |
| CONTACTS examined during the year ... | Definitely tuberculous ... | — | 1 | 1 | 5 | — |
| | Diagnosis not completed ... | 2 | 2 | 4 | 3 | 1 |
| | Non-tuberculous ... | 164 | 242 | 217 | 233 | 186 |
| CASES written off Dispensary Register ... | Recovered ... | 52 | 58 | 35 | 35 | 32 |
| | Non-tuberculous ... | 571 | 659 | 648 | 679 | 768 |
| NUMBER OF CASES on Dispensary Register on 31st December | Definitely tuberculous ... | 816 | 801 | 844 | 901 | 1,006 |
| | Diagnosis not completed ... | 60 | 71 | 83 | 76 | 75 |
| Number of attendances at the Dispensaries (including contacts) ... | | 1,672 | 1,930 | 1,875 | 2,108 | 2,415 |
| Number of consultations with medical practitioners | Personal ... | 194 | 225 | 191 | 170 | 181 |
| | Other ... | 659 | 720 | 734 | 658 | 655 |
| Number of visits by nurses or health visitors to homes for dispensary purposes ... | | 2,764 | 2,943 | 2,762 | 3,236 | 2,501* |
| Cases written off during the year as dead (all causes) ... | | 112 | 130 | 128 | 107 | 111 |
| Cases transferred to other areas, "lost sight of," etc. ... | | 59 | 49 | 84 | 47 | 66 |
| Cases transferred from other areas, returned after discharge, etc. ... | | 49 | 48 | 85 | 58 | 92 |
| Number of insured persons under domiciliary treatment on the 31st December ... | | 178 | 184 | 168 | 185 | 179 |
| Number of visits by Tuberculosis Officers to homes (including personal consultations) ... | | 863 | 902 | 825 | 842 | 747 |
| Number of specimens of sputum, etc., examined ... | | 509 | 440 | 403 | 360 | 370 |
| Number of X-ray examinations made in connection with Dispensary work ... | | 226 | 277 | 353 | 382 | 597 |
| Number of "T.B. plus" cases on Dispensary Register on 31st December ... | | 420 | 414 | 418 | 422 | 447 |
| Number of cases passing through the Dispensary Register ... | | | | | 1,845 | 2,058 |

*Two Health Visitors short for part of the time.

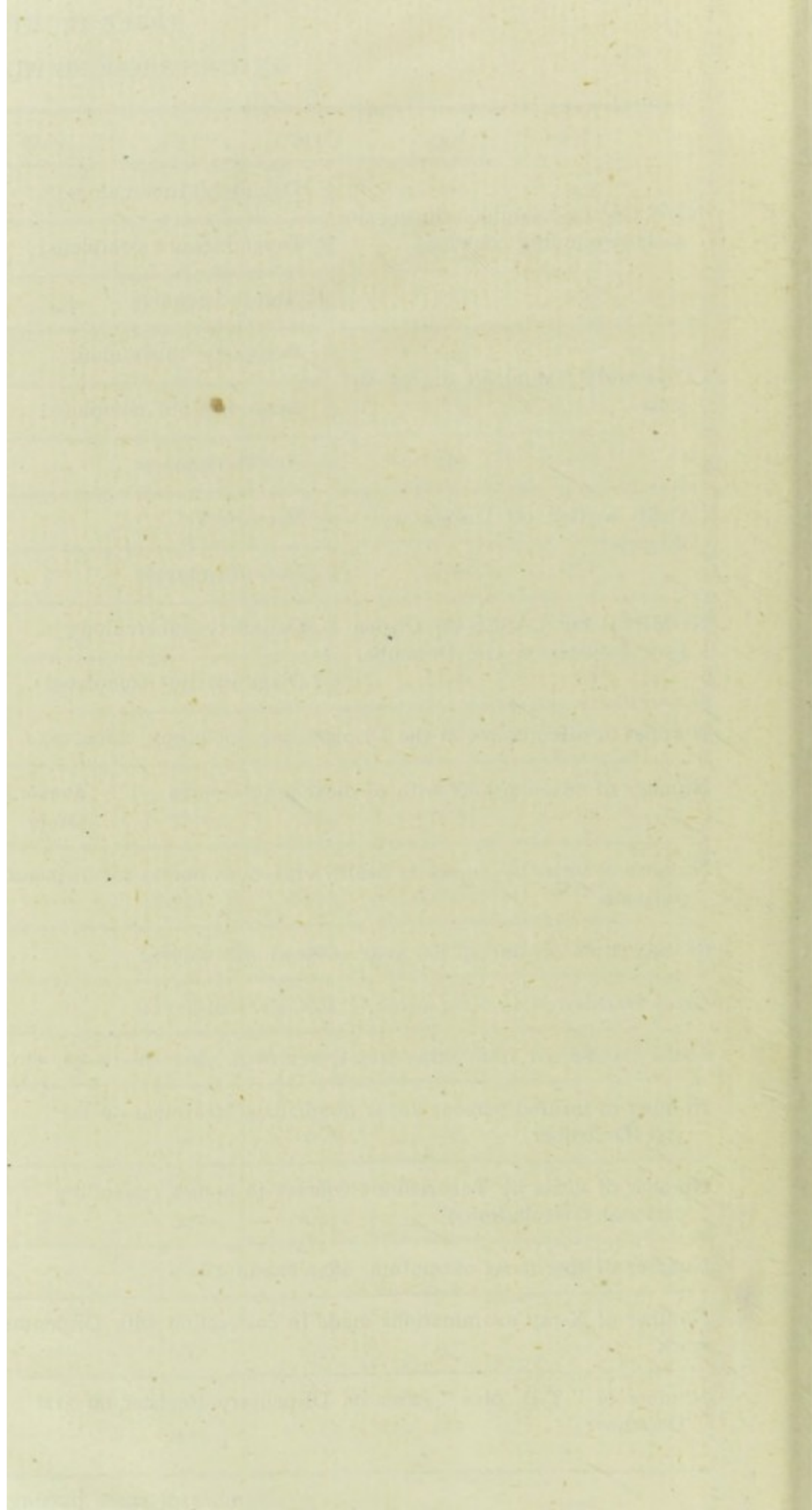


TABLE III. ORTHOPAEDIC TREATMENT.
ATTENDANCES AT CLINICS AND NUMBERS ON REGISTERS, 1940.
(Including the Boroughs of Penzance and Falmouth).

| Clinic. | Attendances on Surgeon's Days. | | | | | | | | Total Attendances on all Days. | | | | | Number of Cases on Register. on 31. 12. 40. | | | | |
|---|--------------------------------|----------------|----------------------------------|--------|-------------------------|----------------|----------------------------------|--------|--------------------------------|----------------|----------------------------------|---------|--------|--|----------------|---------------------------------|---------|--------|
| | New Cases. | | | | Total Attendances. | | | | | | | | | | | | | |
| | Under School age. | School age. | Tuber- culosis. (all ages) | Total. | Under School age. | School age. | Tuber- culosis. (all ages) | Total. | Under School age. | School age. | Tuber- culosis. (all ages) | Adults. | Total. | Under School age. | School age. | Tuber- culosis (all ages) | Adults. | Total. |
| St. Just ... | 6 | 10 | — | 16 | 24 | 172 | 32 | 228 | 23 | 779 | 59 | 4 | 865 | 7 | 34 | 6 | 1 | 48 |
| Penzance (County cases) | 22 | 35 | 2 | 59 | 222 | 279 | 71 | 572 | 466 | 2,089 | 185 | 394 | 3,134 | 41 | 160 | 15 | 54 | 270 |
| (Borough cases) | — | 20 | — | 20 | — | 313 | — | 313 | — | — | — | — | — | — | — | — | — | — |
| Helston ... | 7 | 11 | — | 18 | 63 | 245 | 69 | 377 | 108 | 857 | 145 | 117 | 1,227 | 18 | 53 | 9 | 41 | 121 |
| Camborne ... | 17 | 29 | — | 46 | 112 | 427 | 79 | 618 | 229 | 1,429 | 343 | 335 | 2,336 | 38 | 122 | 25 | 47 | 232 |
| Falmouth (County cases) | 8 | 9 | 1 | 18 | 79 | 120 | 29 | 228 | 213 | 700 | 9 | 137 | 1,059 | 23 | 76 | 9 | 43 | 151 |
| (Borough cases) | — | 6 | — | 6 | — | 147 | — | 147 | — | — | — | — | — | — | — | — | — | — |
| Truro ... | 24 | 50 | 1 | 75 | 310 | 687 | 75 | 1,072 | 724 | 2,668 | 374 | 402 | 4,168 | 82 | 161 | 31 | 50 | 324 |
| St. Austell ... | 22 | 81 | — | 103 | 171 | 914 | 63 | 1,148 | 492 | 3,763 | 174 | 389 | 4,818 | 54 | 241 | 15 | 84 | 394 |
| Bodmin ... | 4 | 20 | — | 24 | 23 | 322 | 28 | 373 | 48 | 1,236 | 116 | 101 | 1,501 | 12 | 89 | 7 | 16 | 124 |
| Wadebridge ... | 18 | 18 | — | 36 | 102 | 400 | 9 | 511 | 275 | 1,500 | 25 | 301 | 2,101 | 54 | 93 | 2 | 56 | 205 |
| Liskeard ... | 13 | 47 | 2 | 62 | 93 | 494 | 32 | 619 | 226 | 2,359 | 79 | 306 | 2,970 | 27 | 145 | 14 | 53 | 239 |
| Totals of County Council Clinics ... | 141 | 336 | 6 | 483 | 1,199 | 4,520 | 487 | 6,206 | 2,804 | 17,380 | 1,509 | 2,486 | 24,179 | 356 | 1,174 | 133 | 445 | 2,108 |
| Launceston ... | 6 | 14 | 1 | 21 | 45 | 156 | 9 | 210 | 57 | 202 | 8 | — | 267 | 11 | 42 | 7 | — | 60 |
| Mount Gold ... | 1 | 3 | — | 4 | 5 | 42 | — | 47 | 8 | 53 | — | — | 61 | 1 | 8 | — | — | 9 |
| Totals of Cornish Cases | 148 | 353 | 7 | 508 | 1,249 | 4,718 | 496 | 6,463 | 2,869 | 17,635 | 1,517 | 2,486 | 24,507 | 368 | 1,224 | 140 | 445 | 2,177 |

TABLE III. ORTHOPAEDIC TREATMENT.
ATTENDANCES AT CLINICS AND NUMBERS ON REGISTERS, 1940.
(Including the Boroughs of Penzance and Falmouth).

| Clinic. | Attendances on Surgeon's Days. | | | | | | | | Total Attendances on all Days. | | | | | Number of Cases on Register. on 31. 12. 40. | | | | |
|---|--------------------------------|----------------|----------------------------------|--------|-------------------------|----------------|----------------------------------|--------|--------------------------------|----------------|----------------------------------|---------|--------|--|----------------|---------------------------------|---------|--------|
| | New Cases. | | | | Total Attendances. | | | | | | | | | | | | | |
| | Under School age. | School age. | Tuber- culosis. (all ages) | Total. | Under School age. | School age. | Tuber- culosis. (all ages) | Total. | Under School age. | School age. | Tuber- culosis. (all ages) | Adults. | Total. | Under School age. | School age. | Tuber- culosis (all ages) | Adults. | Total. |
| St. Just ... | 6 | 10 | — | 16 | 24 | 172 | 32 | 228 | 23 | 779 | 59 | 4 | 865 | 7 | 34 | 6 | 1 | 48 |
| Penzance (County cases) | 22 | 35 | 2 | 59 | 222 | 279 | 71 | 572 | 466 | 2,089 | 185 | 394 | 3,134 | 41 | 160 | 15 | 54 | 270 |
| (Borough cases) | — | 20 | — | 20 | — | 313 | — | 313 | 108 | 857 | 145 | 117 | 1,227 | 18 | 53 | 9 | 41 | 121 |
| Helston ... | 7 | 11 | — | 18 | 63 | 245 | 69 | 377 | 229 | 1,429 | 343 | 335 | 2,336 | 38 | 122 | 25 | 47 | 232 |
| Camborne ... | 17 | 29 | — | 46 | 112 | 427 | 79 | 618 | 213 | 700 | 9 | 137 | 1,059 | 23 | 76 | 9 | 43 | 151 |
| Falmouth (County cases) | 8 | 9 | 1 | 18 | 79 | 120 | 29 | 228 | — | — | — | — | — | — | — | — | — | — |
| (Borough cases) | — | 6 | — | 6 | — | 147 | — | 147 | 724 | 2,668 | 374 | 402 | 4,168 | 82 | 161 | 31 | 50 | 324 |
| Truro ... | 24 | 50 | 1 | 75 | 310 | 687 | 75 | 1,072 | 492 | 3,763 | 174 | 389 | 4,818 | 54 | 241 | 15 | 84 | 394 |
| St. Austell ... | 22 | 81 | — | 103 | 171 | 914 | 63 | 1,148 | 48 | 1,236 | 116 | 101 | 1,501 | 12 | 89 | 7 | 16 | 124 |
| Bodmin ... | 4 | 20 | — | 24 | 23 | 322 | 28 | 373 | 275 | 1,500 | 25 | 301 | 2,101 | 54 | 93 | 2 | 56 | 205 |
| Wadebridge ... | 18 | 18 | — | 36 | 102 | 400 | 9 | 511 | 226 | 2,359 | 79 | 306 | 2,970 | 27 | 145 | 14 | 53 | 239 |
| Liskeard ... | 13 | 47 | 2 | 62 | 93 | 494 | 32 | 619 | — | — | — | — | — | — | — | — | — | — |
| Totals of County Council Clinics ... | 141 | 336 | 6 | 483 | 1,199 | 4,520 | 487 | 6,206 | 2,804 | 17,380 | 1,509 | 2,486 | 24,179 | 356 | 1,174 | 133 | 445 | 2,108 |
| Launceston ... | 6 | 14 | 1 | 21 | 45 | 156 | 9 | 210 | 57 | 202 | 8 | — | 267 | 11 | 42 | 7 | — | 60 |
| Mount Gold ... | 1 | 3 | — | 4 | 5 | 42 | — | 47 | 8 | 53 | — | — | 61 | 1 | 8 | — | — | 9 |
| Totals of Cornish Cases | 148 | 353 | 7 | 508 | 1,249 | 4,718 | 496 | 6,463 | 2,860 | 17,635 | 1,517 | 2,486 | 24,507 | 368 | 1,224 | 140 | 445 | 2,177 |

