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Contributors

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INSTITUTE OF SOCIAL
MEDICINE
16, PARKS ROAD
OXFORD

County Borough of Blackburn.



ANNUAL REPORT

UPON THE

Health of Blackburn

AND

ANNUAL REPORT

OF THE

School Medical Officer

For the Year 1950.

BY

V. T. THIERENS, M.B., Ch.B. (L'pool), D.P.H. (Cambridge)

MEDICAL OFFICER OF HEALTH,

SCHOOL MEDICAL OFFICER.

BLACKBURN.

THOMAS BRIGGS (BLACKBURN) LTD., 73 NORTHGATE.



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Health Committee.

THE MAYOR

(MR. ALDERMAN J. BEARDSWORTH)

ALDERMEN :

CRITCHLEY, J.P.

HOLDEN, B., J.P.

COUNCILLORS :

BEARDSWORTH

HENSHALL, M. C.

McNAMEE

BROGDEN

HINDLE

RAILTON, E.

GILLIBRAND

LOMAX

WHITEHEAD, J.P.

(VICE-CHAIRMAN)

(CHAIRMAN)

CO-OPTED MEMBERS :

AKERS, H., Mrs.

SPOKES, M. H. (until July, 1950)

MATHERS-SMETHURST, Mrs.

SOUTHWORTH, H., M.D., CH.B.

O'DRISCOLL, D., M.B., CH.B.

STEVENSON, R. R. (from July, 1950)



PUBLIC HEALTH OFFICE,
BLACKBURN.

October, 1951.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I beg to submit my Annual Report upon the Health of the Borough for 1950. Perusal of its contents will show that the year has been one of steady yet, perhaps, non-spectacular progress.

The infantile mortality rate (34.13) is less than the corresponding figure (46.5) in 1949.

There were two maternal deaths, both unavoidable. This number represents a maternal mortality rate of 1.25 per 1,000 births and stillbirths.

The prevalence of infectious disease in general was low and again no proved case of diphtheria occurred in the borough. The absence of diphtheria must undoubtedly be associated with the progress of diphtheria immunisation. None the less, I feel that the absence of diphtheria, a disease unknown to many young mothers, may make some of them apathetic to the importance of diphtheria immunisation.


It is once again my privilege to express to all my colleagues in the Health Department my thanks for their excellent work and their happy team spirit throughout the year under review. They have all done a good year's work.

The Health Committee have received most courteously and helpfully whatever proposals I have put before them. Their ready help and co-operation have been of great encouragement both to myself and the members of the Health Department staff.

I have the honour to be, Ladies and Gentlemen,

Your obedient servant,

V. T. THIERENS.



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PART I.

Vital Statistics.

VITAL STATISTICS

| | | | | | | | 1950 |
|--|-----|-----|-----|-----|-----|-----|-----------|
| Area (in Acres) | ... | ... | ... | ... | ... | ... | 8080 |
| Population (Census, 1931) | ... | ... | ... | ... | ... | ... | 122,697 |
| „ (Estimated middle of 1950) | ... | ... | ... | ... | ... | ... | 111,500 |
| Number of Inhabited Houses (1931) | ... | ... | ... | ... | ... | ... | 32,696 |
| Number of Families or Separate Occupiers (1931) | ... | ... | ... | ... | ... | ... | 33,815 |
| Rateable Value | ... | ... | ... | ... | ... | ... | £755,963 |
| Sum Represented by a Penny Rate... | ... | ... | ... | ... | ... | ... | £2,999 |
| Rate in the £ (excluding Water) 1949-1950 | ... | ... | ... | ... | ... | ... | †20s. 0d. |
| Gross expenditure on Health Services to 31st March, 1950 : | | | | | | | |
| Health Services 1946 Act Account | ... | ... | ... | ... | ... | ... | £104,729 |
| do. General Account | ... | ... | ... | ... | ... | ... | £13,937 |
| | | | | | | | £118,666 |
| Income on Health Services to 31st March, 1950, including Government Grant and excluding Rate Aid : | | | | | | | |
| Health Services 1946 Act Account | ... | ... | ... | ... | ... | ... | £56,950 |
| do. General Account | ... | ... | ... | ... | ... | ... | 1,373 |
| | | | | | | | £58,322 |
| Net Expenditure on Health Services to 31st March, 1950 : | | | | | | | |
| Health Services 1946 Act Account | ... | ... | ... | ... | ... | ... | £47,779 |
| do. General Account | ... | ... | ... | ... | ... | ... | £12,565 |
| | | | | | | | £60,344 |

† Subject to 2½% discount for early payment, making a net rate of 19/6d.

| | | | | | | | | |
|-------------|---|--------------|-----|------|----------|--------------|-----|-------|
| Live Births | { | Legitimate | ... | 1472 | } M. 787 | } Birth Rate | ... | 13.92 |
| | | Illegitimate | ... | 81 | | | | |
| | | Total | ... | 1553 | | | | |

Number of women dying in, or in consequence of, child-birth, from—

| | | | | | | | |
|-----------------------------|-----|-----|------------|--------|--------------|-------------|------------------------|
| Sepsis | ... | ... | 0 | ... | { 1.25 } | } per 1,000 | |
| Other Causes | ... | ... | 2 | ... | | | } births & stillbirths |
| Still Births | ... | ... | ... | ... | ... | 38 | |
| Rate per 1,000 total births | ... | ... | ... | ... | ... | 23.88 | |
| Deaths | ... | ... | { M. 753 } | } 1647 | } Death Rate | ... | 14.77 |
| | | | | | | | |

Percentage of total deaths occurring in public institutions ... 31.7

Deaths of infants under one year of age per 1,000 live births :—

| | |
|---------------------|-------|
| Legitimate | 31.25 |
| Illegitimate | 86.4 |
| All Infants | 34.13 |

| | |
|---|--------|
| Death rate from Measles (all ages) | 0.0019 |
| „ Whooping Cough (all ages) | 0.0009 |
| „ Diarrhoea (under two years of age) (Per 1,000 births). | 1.22 |
| „ Cancer (all ages) | 2.17 |

The **Births** registered were 1,553, of which 81 were illegitimate. The total male births were 787, and female 766. The birth rate was 13.92 per 1,000, compared with 15.8 for England and Wales, and 17.6 for the 126 great towns.

Deaths. The total number of deaths registered was 1,647, of which 753 were males and 894 were females. The death rate was 14.77 per 1,000, compared with 11.6 for England and Wales and 12.3 for the 126 great towns.

CAUSES OF DEATH.

During 1950 the chief causes of death were :—

| <i>Disease</i> | <i>No of Deaths</i> | <i>Deaths per 1,000</i> |
|-------------------------------|---------------------|-------------------------|
| Organic Heart Disease | 203 | 1.81 |
| Pneumonia | 58 | 0.52 |
| Cancer | 243 | 2.17 |
| Bronchitis | 112 | 1.004 |
| Pulmonary Tuberculosis | 33 | 0.29 |
| Influenza | 18 | 0.17 |

Diseases of bodily systems and group diseases to which death was assigned are as follows :—

| <i>Disease</i> | <i>No. of Deaths</i> | <i>Deaths per 1,000</i> |
|---|----------------------|-------------------------|
| Respiratory System (Non-Tubercular) ... | 206 | 1.84 |
| Circulatory System | 435 | 3.90 |
| Nervous System (Non-Tubercular) ... | 206 | 1.84 |
| Cancer | 243 | 2.17 |
| Tuberculosis (all forms) | 36 | 0.32 |
| Renal System (Non-Tubercular) | 36 | 0.32 |
| Infectious Diseases | 10 | 0.09 |
| Digestive Diseases | 23 | 0.20 |

TABLE 1.

DEATHS REGISTERED DURING THE CALENDAR YEAR, 1950 :

| CAUSES OF DEATHS | DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE BOROUGH | | | | | | | | | | | | | | | | Total all Ages |
|--|--|-----|--------------|-----|---------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------------|
| | Under 1 year | | 1-5 years | | 5-15 years | | 15-25 years | | 25-45 years | | 45-65 years | | 65-75 years | | Over 75 yrs | | |
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | |
| 1. Tuberculosis, Respiratory | ... | ... | ... | ... | ... | 2 | 2 | 6 | 4 | 7 | 5 | 4 | 2 | ... | 1 | 33 | |
| 2. " Other | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | 3 | |
| 3. Syphilitic Disease | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 1 | ... | ... | ... | 5 | |
| 4. Diphtheria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 5. Whooping Cough | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | |
| 6. Meningococcal Infections | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 7. Acute Poliomyelitis | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 8. Measles | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| 9. Other Infective and Parasitic Diseases | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 | 1 | ... | 2 | ... | ... | ... | 7 | |
| 10. Malignant Neoplasm | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| —Stomach | ... | ... | ... | ... | ... | 1 | ... | 1 | 1 | 8 | 5 | 11 | 16 | 1 | 12 | 56 | |
| 11. do. —Lung : Bronchus | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 11 | 1 | 7 | 2 | 1 | 1 | 24 | |
| 12. do. —Breast | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 7 | ... | 5 | ... | 4 | 18 | |
| 13. do. —Uterus | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 11 | ... | ... | ... | 1 | 14 | |
| 14. Other Malignant and Lymphatic Neoplasms | ... | ... | ... | ... | ... | 1 | 1 | 2 | 2 | 18 | 27 | 36 | 18 | 14 | 12 | 131 | |
| 15. Leukaemia, Aleukaemia | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | 3 | |
| 16. Diabetes | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | ... | 3 | 1 | 2 | 10 | |
| 17. Vascular Lesions of Nervous System | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 11 | 28 | 31 | 37 | 35 | 62 | 206 | |
| 18. Coronary Disease, Angina | ... | ... | ... | ... | ... | ... | ... | 4 | ... | 54 | 7 | 23 | 20 | 16 | 21 | 145 | |
| 19. Hypertension, with Heart Disease | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 4 | 9 | 13 | 8 | 18 | 58 | |
| 20. Other Heart Disease | 1 | ... | ... | ... | 1 | 1 | ... | 4 | 4 | 25 | 22 | 44 | 66 | 64 | 158 | 390 | |
| 21. Other Circulatory Disease | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 5 | 4 | 8 | 9 | 18 | 45 | |
| 22. Influenza | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3 | 1 | 4 | 5 | 1 | 3 | 18 | |
| 23. Pneumonia | 4 | 4 | 1 | 2 | 2 | ... | 1 | ... | 1 | 2 | 12 | 1 | 9 | 3 | 7 | 58 | |
| 24. Bronchitis | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 27 | 11 | 21 | 21 | 18 | 112 | |
| 25. Other Diseases of Respiratory System | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | 3 | 1 | 2 | 2 | 2 | 4 | 18 | |
| 26. Ulcer of Stomach and Duodenum | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 1 | 2 | ... | 1 | 1 | 5 | 16 | |
| 27. Gastritis, Enteritis and Diarrhoea | 1 | 3 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | ... | 7 | |
| 28. Nephritis and Nephrosis | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 3 | 2 | 2 | 7 | 1 | 20 | |
| 29. Hyperplasia of Prostate | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 6 | ... | 9 | ... | 16 | |
| 30. Pregnancy, Childbirth, Abortion | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 2 | |
| 31. Congenital Malformations | 2 | 3 | ... | 1 | ... | ... | ... | 1 | 1 | ... | 1 | 1 | ... | ... | ... | 10 | |
| 32. Other Defined and Ill Defined Diseases | 15 | 14 | ... | 4 | ... | 1 | 1 | 2 | 6 | 5 | 15 | 25 | 14 | 24 | 15 | 22 | 163 |
| 33. Motor Vehicle Accidents | ... | ... | 1 | 1 | 2 | ... | 2 | ... | 1 | ... | ... | ... | 1 | 1 | ... | 9 | |
| 34. All Other Accidents | 1 | ... | 1 | ... | 2 | ... | 2 | ... | 1 | ... | 5 | 2 | 1 | 5 | 2 | 10 | 32 |
| 35. Suicide | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 | 4 | 3 | 2 | 2 | ... | 1 | 15 |
| 36. Homicide and Operations of War | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 27 | 26 | 4 | 10 | 6 | 2 | 11 | 7 | 38 | 34 | 222 | 175 | 235 | 262 | 210 | 378 | 1647 |

TOTAL DEATHS IN INSTITUTIONS IN THE DISTRICT OF

| | |
|----------------|-----|
| RESIDENTS | 523 |
| OF THE BOROUGH | |
| NON-RESIDENTS | 355 |

PART II.



Sanitary Circumstances.

Water Supply. This has been fully described in previous reports.

HOUSING.

(a) GENERAL.

Houses built during 1950 :

| | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|
| (i) By Corporation | ... | ... | ... | ... | ... | 246 |
| (ii) By private enterprise | ... | ... | ... | ... | ... | 15 |
| TOTAL | | | | | | 261 |

(b) STATISTICS.

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :—

| | | | | | |
|--|-----|-----|-----|-----|------|
| (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)... | ... | ... | ... | ... | 980 |
| (b) Number of inspections made for the purpose | ... | ... | ... | ... | 7361 |
| (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 | ... | ... | ... | ... | 1 |
| (b) Number of inspections made for the purpose | ... | ... | ... | ... | 6 |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | ... | ... | ... | ... | 18 |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation... | ... | ... | ... | ... | 943 |

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—

| | | | |
|---|-----|-----|-----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers | ... | ... | 643 |
|---|-----|-----|-----|

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—

A. Proceedings under sections 9, 10 and 16 of the Housing Act, 1936 :

| | |
|--|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring repairs | 110 |
| (2) Number of dwelling-houses which were rendered fit after service of formal notices :— | |
| (a) By owners | 79 |
| (b) By local authority in default of owners | 26 |

B. Proceedings Under Public Health Acts

| | |
|---|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | 302 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :— | |
| (a) By owners | 208 |
| (b) By local authority in default of owners | 1 |

C. Proceedings Under sections 11 and 13 of the Housing Act, 1936 :

| | |
|--|---|
| (1) Number of dwelling-houses in respect of which demolition orders were made | 5 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | 1 |

D. Proceedings Under section 12 of the Housing Act, 1936 :

| | |
|--|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made... .. | — |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | — |

Particulars of sanitary improvements made and defects remedied under the supervision of the Sanitary Inspectors are contained in the following Table :—

TABLE 3.

| | | | | | |
|---|-----|-----|-----|-----|-----|
| Absence of Cooking Accommodation | ... | ... | ... | ... | 13 |
| „ Damp-proof Course | ... | ... | ... | ... | 111 |
| „ Handrail | ... | ... | ... | ... | 37 |
| „ Washing Accommodation | ... | ... | ... | ... | 31 |
| Accumulations of Refuse | ... | ... | ... | ... | 25 |
| Animals Kept as Nuisance | ... | ... | ... | ... | 2 |
| Defective Ashbins or Ashpits | ... | ... | ... | ... | 37 |
| „ Chimney Flues | ... | ... | ... | ... | 50 |
| „ Chimney Stacks | ... | ... | ... | ... | 126 |
| „ Cisterns | ... | ... | ... | ... | 26 |
| „ Dishstones | ... | ... | ... | ... | 8 |
| „ Doors | ... | ... | ... | ... | 192 |
| „ Eavesgutters | ... | ... | ... | ... | 315 |
| „ Floors | ... | ... | ... | ... | 118 |
| „ Fireplaces | ... | ... | ... | ... | 125 |
| „ Gas Pipes and Fittings | ... | ... | ... | ... | 6 |
| „ Gullies | ... | ... | ... | ... | 91 |
| „ Outbuildings | ... | ... | ... | ... | 139 |
| „ Plaster, Walls and Ceilings | ... | ... | ... | ... | 546 |
| „ Pointing | ... | ... | ... | ... | 252 |
| „ Rainwater Pipes | ... | ... | ... | ... | 187 |
| „ Roofs | ... | ... | ... | ... | 340 |
| „ Sinks | ... | ... | ... | ... | 69 |
| „ Soil Pipes | ... | ... | ... | ... | 11 |
| „ Stairs | ... | ... | ... | ... | 23 |
| „ Washboilers | ... | ... | ... | ... | 64 |
| „ Waste Pipes, Sink or Bath | ... | ... | ... | ... | 92 |
| „ Windows | ... | ... | ... | ... | 505 |
| „ Yard Paving | ... | ... | ... | ... | 58 |
| Dirty Premises | ... | ... | ... | ... | 13 |
| Drains, Choked | ... | ... | ... | ... | 127 |
| „ Defective | ... | ... | ... | ... | 149 |
| „ Insufficient | ... | ... | ... | ... | — |
| Smoke Nuisances | ... | ... | ... | ... | 29 |
| Streams or Ditches Fouled | ... | ... | ... | ... | — |
| Tipplers Choked or Defective | ... | ... | ... | ... | 2 |
| Verminous Premises | ... | ... | ... | ... | 3 |
| Walls, Fractured, Internal | ... | ... | ... | ... | 22 |
| „ Fractured, Bulging or Dangerous, External | ... | ... | ... | ... | 54 |
| „ Defective or Dangerous, Yard | ... | ... | ... | ... | 52 |
| Water Closets Choked | ... | ... | ... | ... | 24 |
| „ Closets Defective | ... | ... | ... | ... | 81 |
| „ Pipes Burst | ... | ... | ... | ... | 24 |
| „ Supply Insufficient | ... | ... | ... | ... | 10 |
| Waste Water Closets converted to W.C's. | ... | ... | ... | ... | 59 |

REFERRED TO OTHER DEPARTMENTS.

| | |
|--|----|
| Choked Sewers and Street Gullies, to Borough Engineer | 82 |
| Dangerous Walls, etc., to Borough Engineer | 28 |
| Wastage of Water to Water Engineer | 31 |
| Defective Water Mains to Water Engineer | 9 |
| Gas Leakages to Gas Engineer | 17 |
| Accumulations of Refuse in Back Streets, to Borough Engineer | 42 |

Tents, Sheds, Caravans, Etc. At the end of the year there were 36 caravans in the Borough used as human habitations.

Offensive Trades. The number of offensive trades within the Borough is sixteen. These consist of 8 Bone and Rag and Bone Dealing, 3 Fat Extracting, or Fat Rendering, 1 Gut Scraping and 4 Tripe Boiling. There are also two Knackers Yards. All are visited regularly.

Insanitary Dwellings. Twelve houses were closed during the year as being unfit for human habitation.

Verminous Premises and Persons. During the year 117 private dwelling houses comprising 339 rooms have been disinfested by officers of the Health Department. The insecticide used was a combination of D.D.T. and pyrethrum which proved most effective.

The treatment of scabies has again been carried out at the Clinic at Blakey Moor :—

| | |
|---|-----------|
| 34 persons received two treatments comprising ... | 68 baths. |
| 2 persons received one treatment comprising ... | 2 baths. |

Total number 70 baths.

In addition 32 persons were cleansed for body lice.

Common Lodging Houses. At the end of the year there were seven Common Lodging Houses in the Borough providing accommodation for 226 male persons.

All were visited weekly and the general standard of cleanliness was satisfactory.

Canal Boats. The Corporation have carried out, within their District, the provisions of the Public Health Act, 1936 (part X) :

- (1) They have maintained in office an Inspector, Mr. Frederick Basil Addy, appointed for the execution of the said Act.
- (2) Fourteen canal boats have been examined and reported upon.
- (3) On three canal boats five infringements of the Act have come under the notice of the Inspector, namely :
 - (a) The certificate of registration was not produced.
 - (b) The lettering, marking and numbering of the boat was not legible.
Painting of the cabin was overdue.
Efficient means of ventilation was not provided.
 - (c) The cabin was not weatherproof.
- (4) There has been no occasion to take legal proceedings.
- (5) Three written intimations have been served on the owners of canal boats relative to infringements in item 3.
- (6) No cases of infectious disease were met with.
- (7) There was no detention of boats for cleansing and disinfection.
- (8) (a) One new boat has been registered.
(b) There are twenty-seven canal boats on the register which are in use or available.

Smoke Abatement. During the year, 245 smoke observations were made. By resolution of the Council emission of black smoke is permitted for not more than 4 minutes during any one hour in the case of one boiler, 5 minutes for 2 boilers, 6 minutes for 3 boilers, and 7 minutes for 4 or more boilers.

In 29 cases black smoke was emitted for a much longer period than that permitted. In each case the managements were interviewed and advice given to the engineers in charge.

Factories Act, 1937, and the Sanitary Accommodation Regulations, 1938.

It is the duty of the Local Authority to enforce the provisions of the Act and Regulations dealing with sanitary conveniences in all factories and, in the case of factories where mechanical power is not used, the provisions dealing with cleanliness, overcrowding, temperature, ventilation and drainage of floors.

There are on the Register 978 power factories and 167 non-power factories. During the year 130 factories have been inspected. Where contraventions of the Act were found, the occupiers of the factories concerned were notified, and requested to take appropriate steps to comply with the Act. The position regarding building labour and materials has improved a little but a considerable period has still to be allowed for the carrying out of alterations.

Table No. 4 sets out in detail the particulars of inspections made and of the contraventions found and dealt with.

Table 4.

| DETAILS OF INSPECTIONS MADE. | Power | Non-Power | Other Premises |
|--|-------|-----------|----------------|
| Number of factories on the Register | 978 | 167 | 10 |
| Number of factories inspected | 114 | 16 | 5 |
| Number of re-visits to factories | 921 | 164 | 4 |
| Number of factories found satisfactory | 39 | 7 | 1 |
| Number of factories where contraventions were found | 75 | 9 | 4 |
| Number of factories where contraventions have been remedied | 72 | 10 | 4 |

CONTRAVENTIONS OF THE FACTORIES ACT, 1937

AND

THE SANITARY ACCOMMODATION REGULATIONS, 1938

| | Number of Contraventions found | Number of Contraventions remedied |
|---|--------------------------------------|---|
| Sect. 1. CLEANLINESS. | | |
| (a) Accumulations of refuse | — | — |
| (b) Walls, partitions, ceilings not clean ... | 7 | 5 |
| Sect. 3. TEMPERATURE. | | |
| Effective provision not made for maintaining a reasonable temperature | — | |
| Sect. 7. SANITARY CONVENIENCES. | | |
| Absence of sanitary conveniences | 4 | 4 |
| Sufficient sanitary conveniences not provided | 3 | 5 |
| Suitable sanitary conveniences not provided | 1 | 2 |
| Separate sanitary conveniences not provided for each sex | 7 | 6 |
| Sanitary conveniences not effectively lighted | 44 | 51 |
| Sanitary conveniences not maintained in proper repair | 5 | 14 |
| Sanitary conveniences not kept clean | 13 | 21 |
| SANITARY ACCOMMODATION REGULATIONS, 1938. | | |
| Sanitary conveniences not ventilated | 16 | 10 |
| Sanitary conveniences in direct communication with the workroom | 31 | 28 |
| Sanitary conveniences not provided with proper doors | 5 | 7 |
| Sanitary conveniences not provided with proper fasteners | 21 | 25 |
| Sanitary conveniences not conveniently accessible | 1 | 2 |
| Sanitary conveniences not provided with separate approaches | — | — |
| Sanitary conveniences not effectively screened | 3 | 5 |
| Sanitary conveniences not indicated with sex of users | 17 | 19 |
| Insanitary urinals | — | 2 |
| TOTAL | 178 | 207 |

Details of Inspections.

| | |
|---|------|
| Applications for Corporation Houses | 684 |
| Building Licences and Certificates | 59 |
| Canal Boats | 12 |
| Choked Sewers or Street Gullies | 77 |
| Choked or Defective Drains | 647 |
| Common yards, passages, etc. | 108 |
| Dirty and Verminous Premises | 497 |
| Dustbins and Ashpits..... | 245 |
| Food Poisoning | 38 |
| Food Shops | 379 |
| Infectious Diseases | 279 |
| Insufficient Water Supplies | 187 |
| Inspections of Dwelling Houses | 1021 |
| Interviews | 441 |
| Knackers Yards | 23 |
| Licensed Premises | 43 |
| Lodging Houses, Common..... | 194 |
| Lodging Houses, Let in | 434 |
| Miscellaneous | 1276 |
| Offensive Trades | 90 |
| Outworkers Premises | 15 |
| Piggeries | 13 |
| Schools | 15 |
| Smallpox Contacts | 183 |
| Smoke Observations | 245 |
| Stables | 19 |
| Tents, Vans and Sheds | 474 |
| Theatres and Cinemas | 86 |
| Works in Progress, Dwelling Houses | 7437 |
| Works in Progress, Other Premises | 17 |
| Accumulations..... | 2 |
| Air Raid Shelters..... | 30 |
| Streams and Watercourses..... | 10 |
| Grit Nuisances..... | 31 |
| Rodent Control | 76 |

Rodent Control.

The control of rat and mouse infestation has been effectively maintained during the year.

TABLE 5.

| | | | | |
|---|-----|-----|-----|------|
| Complaints and requests for disinfestation | ... | ... | ... | 664 |
| Investigated and rat infestation found | ... | ... | ... | 288 |
| Investigated and mouse infestation found | ... | ... | ... | 263 |
| Investigated and no infestation found | ... | ... | ... | 118 |
| <hr/> | | | | |
| Blocks surveyed | ... | ... | ... | 16 |
| Premises surveyed | ... | ... | ... | 3062 |
| Premises test baited | ... | ... | ... | 663 |
| Rat infestation found as a result of survey | ... | ... | ... | 58 |
| Mouse infestation found as a result of survey | ... | ... | ... | 25 |
| <hr/> | | | | |
| Total number of premises where treatments were completed | | | | 546 |
| Estimated number of rats killed | ... | ... | ... | 2866 |
| Estimated number of mice killed | ... | ... | ... | 4014 |
| <hr/> | | | | |
| Defective drains found as a result of rat infestations investigated : | | | | |
| Business Premises | ... | ... | ... | 35 |
| Dwelling Houses | ... | ... | ... | 147 |
| Infestations abated due to defective drains made sound | ... | ... | ... | 163 |

Sewer Infestation.

The control of sewer infestation is exercised by the Borough Engineer, and in June a maintenance treatment was carried out under his supervision. In accordance with recommendations made by the Ministry of Agriculture and Fisheries, Infestation Control Division, no calculation is made of the poison takes and the effectiveness of the treatment and the degree of infestation is based on the amount of prebait taken at each manhole. Although a special check was not maintained at the Witton and Samlesbury sewage works, 131 bodies were picked up during the treatment, a figure which can but represent a small fraction of the rats destroyed in the sewers.

THE HISTORY OF THE

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CHAPTER

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PART III.

Food Supply.

ICE CREAM.

The number of premises registered for the manufacture, sale or storage for sale of ice-cream has again increased. During 1950, 102 applications for registration were received. Some of these are held in abeyance pending alterations or for other reasons.

At the end of 1950 the Register of these premises showed the following alterations :—

| | |
|--|-----|
| Number on Register 31st December, 1949 | 179 |
| Number of registrations discontinued during 1950 ... | 2 |
| Number of premises registered during 1950..... | 96 |
| Total on Registerst 31 December, 1950..... | 273 |

Six applications for registration were refused during the year.

Monthly Report on Bacteriological Examinations.

| MONTH | Number Obtained | Groups 1 and 2 | Groups 3 and 4 | Per cent passed. | Per cent failed. |
|--------------------|-----------------|----------------|----------------|------------------|------------------|
| April | 12 | 12 | — | 100.00 | — |
| May | 30 | 22 | 8 | 73.33 | 26.66 |
| June | 42 | 33 | 9 | 78.57 | 21.42 |
| July | 18 | 15 | 3 | 83.33 | 16.66 |
| August | 12 | 10 | 2 | 83.33 | 16.66 |
| September | 12 | 11 | 1 | 91.66 | 8.33 |
| October | 24 | 24 | — | 100.00 | — |
| November | 12 | 10 | 2 | 83.33 | 16.66 |
| TOTAL | 162 | 137 | 25 | 84.56 | 15.43 |

All samples were examined for the presence of coliform organisms. The results of these tests are set out below.

| MONTH | Number Tested | Number Passed | Number Failed | Per cent passed | Per cent failed |
|--------------------|---------------|---------------|---------------|-----------------|-----------------|
| April | 12 | 12 | — | 100.00 | — |
| May | 30 | 29 | 1 | 96.66 | 3.33 |
| June | 42 | 38 | 4 | 90.47 | 9.52 |
| July | 18 | 15 | 3 | 83.33 | 16.66 |
| August | 12 | 9 | 3 | 75.00 | 25.00 |
| September | 12 | 9 | 3 | 75.00 | 25.00 |
| October | 24 | 19 | 5 | 79.16 | 20.83 |
| November | 12 | 12 | — | 100.00 | — |
| TOTAL | 162 | 144 | 18 | 88.88 | 11.11 |

One thousand six hundred visits were made to registered premises during the year. One hundred verbal notices were given and six letters sent to occupiers whose premises failed to comply with the requirements of the Food & Drugs Act.

Regular inspection of premises has led to an all round improvement.

Details are given below.

WORK DONE :

| | | | | | |
|--|-----|-----|-----|-----|----|
| Intervening ventilated space provided between w.c. compartment and food room | ... | ... | ... | ... | 1 |
| Ice Cream preparing room improved | ... | ... | ... | ... | 1 |
| Rooms cleansed and decorated | ... | ... | ... | ... | 26 |
| Defective water closet repaired | ... | ... | ... | ... | 1 |
| Defective floor repaired | ... | ... | ... | ... | 1 |
| Preparation rooms reconstructed | ... | ... | ... | ... | 5 |
| Sinks installed | ... | ... | ... | ... | 5 |
| Hot water systems installed | ... | ... | ... | ... | 11 |
| New water closet pedestals fitted | ... | ... | ... | ... | 3 |
| Accumulations of refuse removed | ... | ... | ... | ... | 2 |
| Defective drains repaired | ... | ... | ... | ... | 2 |
| Yards concreted | ... | ... | ... | ... | 1 |
| Drains relaid | ... | ... | ... | ... | 1 |
| Waste pipe repaired | ... | ... | ... | ... | 1 |
| Water closet branch drain repaired | ... | ... | ... | ... | 2 |

Ice Cream Heat Treatment Regulations. Seven hundred and eight visits were made for the purpose of these Regulations, and twenty-six warnings were given for various contraventions.

Three-quarters of a gallon of Ice Cream was destroyed following rise in temperature above legal maximum. Two gallons of contaminated ice-cream were destroyed.

Ice Cream Chemical Examination. Eleven samples were obtained and submitted to the Public Analyst for examination. The fat content varied from 6.0% to 13.7%, and the sugar content from 11.4% to 18.1%. Average fat and sugar content were 9.6% and 15.1% respectively.

Dairies.

| | |
|---|----|
| Number of premises on Register, 31st December, 1949 | 16 |
| Number of registrations cancelled during 1950..... | 2 |
| Number of premises registered during 1950..... | — |
| Total on Register, 31st December, 1950..... | 14 |

Work Done—Dairies.

| | |
|-------------------------------------|---|
| Accumulation of refuse removed..... | 1 |
| Dairies limewashed..... | 4 |
| Floors repaired | 3 |

Three hundred and eighty six visits were made to dairies. Forty-five verbal notices were given and three letters sent in connection with contraventions of the Milk and Dairies Orders.

Milk (Special Designations) Orders, 1936-1946. The special grades of milk which are produced and sold in Blackburn are Tuberculin Tested, Accredited, and Pasteurised. In addition a large amount of Sterilised Milk is sold in the Borough.

During the year a total of 542 samples of designated milk and 59 of undesignated milk were bacteriologically examined.

Pasteurised Milk. There are three pasteurising plants in the Borough, two deal with fairly large quantities of milk whilst the other, a small plant, is rarely used. Large quantities of pasteurised milk are imported into Blackburn from a neighbouring pasteurising firm. One hundred and thirty-eight samples were bacteriologically examined and submitted to the phosphatase test. Four samples failed the phosphatase test and four the methylene blue test. Nineteen failed to pass the test for coliforms.

Tuberculin Tested Milk. One hundred and fifty one samples were submitted to the methylene blue and coliform tests. Of these, thirty-one failed to pass the methylene blue test and forty-six failed to pass the coliform test.

Tuberculin Tested Pasteurised. Twenty-four samples of milk were submitted to the phosphatase, methylene blue, and coliform tests. Nine samples failed to pass the coliform and one the phosphatase test and three the methylene blue test.

Accredited Milk. There were twenty-one accredited producers in Blackburn and district, eleven of these being in the Borough. Of twenty samples submitted to bacteriological examination, four failed to pass the coliform and six the methylene blue test.

Sterilised Milk. This milk is now designated under the Milk (Special Designations) Order, and is required to pass a special test. A local dairy sterilises a considerable gallonage of milk daily and further quantities are brought into Blackburn from an outside dairy. One hundred and four samples were examined during the year all of which passed the prescribed test.

Non-Designated Milk. There is no legal bacterial standard laid down. Fifty-nine samples were taken during the year for bacteriological examination.

Tubercle Bacilli. One hundred and five samples of milk were taken and examined for tubercle bacilli, of which two gave positive results. These were reported to the Ministry of Agriculture and Fisheries.

Eleven washed milk bottles were bacteriologically examined. One bottle was unsatisfactory.

Milk Vehicles. Eighty-eight vehicles have been inspected in the course of the year, and one verbal notice given in connection with unsatisfactory vehicles.

Milk-in-Schools Scheme. During the year 758,260 pints of milk were consumed in schools in Blackburn.

Food Poisoning. Six notifications of food poisoning were received during 1950. All were isolated cases and in no instance was it possible to identify the causative agent.

Meat Inspection. In Cattle and Pigs, the only disease which takes heavy toll, amongst apparently healthy animals, is tuberculosis.

Of 4,675 cows slaughtered, 1,712 or 36.5% were affected with tuberculosis.

Of 5,016 other cattle slaughtered, 359 or 7.15% were found to be affected with tuberculosis in some degree.

Of 4,314 calves slaughtered, 21 or 0.48% were affected.

Of 1,969 pigs slaughtered, 157 or 8% were affected.

In 1950, 332 carcasses of cattle were totally condemned as being unfit for human food, and of these 206 were affected with tuberculosis.

Infestation with fluke necessitated condemnation of a large proportion of livers. The number of livers and part livers rejected on this account during the year was 8,553.

Regular visits were made during the year to butchers and other meat shops, food preparing premises, wholesale and retail fish markets and to the meat market.

TABLE 6.

CARCASES INSPECTED AND CONDEMNED.

| | Cows | Heifers | Bulls | Bullocks | Calves | Sheep and Lambs | Pigs |
|---|------|---------|-------|----------|--------|-----------------------|------|
| Number killed | 4675 | 2272 | 225 | 2519 | 4314 | 30081 | 1969 |
| Number inspected | 4675 | 2272 | 225 | 2519 | 4314 | 30081 | 1969 |
| Tuberculosis only : | | | | | | | |
| Whole carcases condemned | 162 | 20 | 3 | 1 | 20 | — | 15 |
| Carcases of which some part or organ was condemned | 1712 | 164 | 28 | 167 | 21 | — | 157 |
| Percentage of the num- ber inspected affected with tuberculosis ... | 36.5 | 7.2 | 12.4 | 6.6 | 0.48 | — | 8.0 |
| All diseases except Tuberculosis : | | | | | | | |
| Whole carcases condemned | 28 | 2 | 2 | 1 | 93 | 37 | 6 |

Cysticercus Bovis. During the year 128 cases of infestation by cysticercus bovis were discovered, none of them being generalised. The affected organs or parts were condemned, the carcasses then being sent for cold storage for a period of not less than three weeks.

CARCASSES AND PORTIONS OF CARCASSES, ETC., BROUGHT TO THE ABATTOIR :

| CARCASSES | | |
|-----------|-----------------|------|
| Beef | Mutton and Lamb | Pork |
| — | 56,167 | 51 |

| PARTS OF CARCASSES. | | | | |
|---------------------|-----------------------|---------------|--------------------|-----------------------------|
| Quart's of Beef | Bags of Boneless Beef | Sides of Pork | Bags of Pork Cuts | Bags of Boneless Pork |
| 13,536 | 3916 | 244 | 1,350 | 100 |
| Bags of Veal Cuts | Bags of Mutton Cuts | Bags of Offal | Bags of Pork Heads | Cases of Canned Corned Meat |
| 93 | 726 | 2,380 | 31 | 5,752 |

FISH, ETC., REJECTED.

| | | | |
|-----------------------------|------|---------------------------|------|
| Stones Fish | 1560 | lbs. of tripe | 1110 |
| lbs. imported beef | 713 | lbs. bacon and ham | 68 |
| Gangs of sheeps feet | 3079 | Rabbits | 80 |
| Poultry | 6 | | |

CARCASSES, ETC., SENT FOR UTILISATION.

128 tons 19 cwts. 3 qrs. 11 lbs.

NUMBER OF VISITS TO INSPECT FOOD.

| | | | |
|------------------------|-----|----------------------|-----|
| Meat Shops | 601 | Meat Market | 42 |
| Fish Shops | 102 | Fish Market | 41 |
| Provision Shops | 194 | Fish Siding | 162 |
| | | Miscellaneous | 43 |

OTHER FOODSTUFFS SEIZED OR SURRENDERED.

| | | | |
|--------------------------|------|-------------------------------|-----|
| Tins of Milk | 6154 | lbs. of Tea | 123 |
| Meat | 3401 | Liquid Egg | 58 |
| Soup | 357 | Bacon | 19 |
| Vegetables | 2381 | Boiled Ham (Canned) | 497 |
| Fruit | 2041 | Cheese | 31 |
| Fish | 1530 | Coconut | 3 |
| Syrup | 8 | Prunes | 210 |
| Jam and Preserves | 94 | Pears | 712 |
| Puddings | 7 | Apples | 180 |
| Fruit Juice | 20 | Tomatoes | 392 |
| Bottles of Fruit | 179 | Apricots | 60 |
| Salad Cream | 1 | Crates of Cauliflowers | 63 |
| lbs. of Cereals | 88 | Spring Onions | 5 |
| Cooked Meats | 85 | Cases of Oranges | 40 |
| Ground Almond | 280 | Sacks of Peas | 31 |
| Slab Cake | 26 | cwts. of Potatoes | 5 |
| Butter | 6 | Bags of Sprouts | 54 |
| Cooking Fat | 3 | Chips of Strawberries | 348 |
| Sausages | 32 | Redcurrants | 72 |
| Raisins | 231 | Bilberries | 11 |
| Currants | 50 | Raspberries | 33 |
| Sugar | 28 | Cakes | 506 |
| | | Rabbits | 140 |

Food and Drugs Act, 1938. Section 13.

INSPECTION OF PREMISES WHERE FOOD IS PREPARED,
SOLD OR STORED.

| | |
|--|-----|
| Number of premises inspected | 699 |
| Number of premises found satisfactory | 498 |
| Number of premises found unsatisfactory | 201 |
| Number of re-visits to unsatisfactory premises | 538 |
| Number of premises made satisfactory | 148 |

SUMMARY OF VISITS.

| | |
|--|-----|
| Butchers and cooked foods premises | 220 |
| Bakehouses | 574 |
| Cafes and Snack Bars, etc. | 156 |
| Fish Friers | 256 |
| Grocers | 16 |
| Interviews re proposed food premises | 34 |
| Greengrocers | 7 |
| Visits re unsound food..... | 171 |

DETAILS OF CONTRAVENTIONS FOUND

| | <i>Contraventions</i> | |
|---|-----------------------|-----------------|
| | <i>Found</i> | <i>Remedied</i> |
| Sanitary conveniences in direct communication..... | 13 | 8 |
| Walls, ceilings, woodwork, not kept clean..... | 145 | 102 |
| Rooms not in structural repair..... | 87 | 74 |
| Insufficient Ventilation..... | 31 | 13 |
| Accumulations of refuse, and cleansing of floors | 43 | 29 |
| Insufficient cleanliness of utensils, apparatus, etc. ... | 25 | 13 |
| Sinks not provided or defective | 20 | 24 |
| Hot and cold water not provided..... | 25 | 15 |
| Refuse accommodation not provided | — | — |
| Drain inlets in rooms | — | — |
| Yard surfaces | — | — |
| | 389 | 278 |

Food and Drugs Act, 1938. Section 14.

Applications for the registration of premises for the manufacture of sausage, potted, pressed, pickled or preserved food.

| | |
|---------------------------------------|---|
| Number of applications received | 8 |
| Number of applications granted | 8 |
| Number of applications refused | — |

TABLE 8. FOOD & DRUGS ACT, 1938.

| | Samples Taken | | Samples Genuine | | Samples Adulterated | |
|----------------------------------|---------------|-----------|-----------------|-----------|---------------------|----------|
| | Formal | Informal | Formal | Informal | Formal | Informal |
| Milk | 140 | 4 | 121 | 4 | 19 | — |
| Almond Paste | 1 | — | 1 | — | — | — |
| American Lemonade Powder ... | — | 1 | — | 1 | — | — |
| Barley Pudding Mixture | — | 1 | — | — | — | 1 |
| Beef Sausage | 1 | — | 1 | — | — | — |
| Beef and Vegetable Broth | — | 1 | — | 1 | — | — |
| Biscuits | — | 1 | — | 1 | — | — |
| Blackcurrant Cordial | 1 | — | 1 | — | — | — |
| Blackcurrant Jam | 2 | — | 2 | — | — | — |
| Blanc-mange | — | 2 | — | 2 | — | — |
| Bottle of " Sip " | 1 | — | 1 | — | — | — |
| Box of Chocolates | — | 1 | — | 1 | — | — |
| Bramble Seedless Jam | — | 1 | — | 1 | — | — |
| British Sherry | 1 | — | 1 | — | — | — |
| Brompton Lozenges | — | 1 | — | 1 | — | — |
| Bronchial Pastilles | — | 1 | — | 1 | — | — |
| Cake | — | 1 | — | 1 | — | — |
| Calves Feet Jelly..... | — | 1 | — | 1 | — | — |
| Canned Grapes | — | 1 | — | 1 | — | — |
| Caramel Flavoured Dessert | — | 1 | — | 1 | — | — |
| Caramel Toffee | 1 | — | 1 | — | — | — |
| Cashous | — | 1 | — | 1 | — | — |
| Cheese Cake Mixture | — | 1 | — | 1 | — | — |
| Chocolate Biscuits | 1 | 1 | 1 | 1 | — | — |
| Chocolate Cake Covering | 1 | — | 1 | — | — | — |
| Chocolate Covered Articles | 1 | — | 1 | — | — | — |
| Chocolate Dessert | — | 1 | — | 1 | — | — |
| Chocolate Eclairs | — | 1 | — | 1 | — | — |
| Chocolate Eleveses | 1 | — | 1 | — | — | — |
| Chocolate Kreme Cups | 1 | — | 1 | — | — | — |
| Chocolate Lollies..... | 1 | — | 1 | — | — | — |
| Chocolate Vermicelli | — | 1 | — | 1 | — | — |
| Choco-puffs | — | 1 | — | 1 | — | — |
| Christmas Pudding | — | 2 | — | 2 | — | — |
| Cocoa..... | — | 1 | — | 1 | — | — |
| Coconut Flavoured cake mixture | 1 | — | 1 | — | — | — |
| Coconut..... | — | 1 | — | 1 | — | — |
| Coffee Extract..... | — | 1 | — | 1 | — | — |
| Composition Essence | — | 1 | — | 1 | — | — |
| Compound | — | 1 | — | 1 | — | — |
| Crab Paste | — | 1 | — | 1 | — | — |
| Cream Cake | 1 | 1 | 1 | 1 | — | — |
| Cream Cheese | — | 1 | — | 1 | — | — |
| Cream Cornets..... | 1 | — | 1 | — | — | — |
| Crystallised Fruits | — | 1 | — | 1 | — | — |
| Curo-phyll Tea | — | 1 | — | 1 | — | — |
| TOTAL | 157 | 37 | 138 | 36 | 19 | 1 |

Table 8—Continued. FOOD & DRUGS ACT, 1938.

| | Samples Taken | | Samples Genuine | | Samples Adulterated | |
|--|---------------|-----------|-----------------|-----------|---------------------|----------|
| | Formal | Informal | Formal | Informal | Formal | Informal |
| Custards | — | 1 | — | 1 | — | — |
| Custard Powder | — | 1 | — | 1 | — | — |
| Cut Celery | — | 1 | — | 1 | — | — |
| Cut Peel | — | 2 | — | 2 | — | — |
| Dessert Gelatine | — | 1 | — | 1 | — | — |
| Dried Full Cream Milk | — | 1 | — | 1 | — | — |
| Dried Skimmed Milk | — | 1 | — | 1 | — | — |
| Evaporated Milk..... | — | 1 | — | 1 | — | — |
| Female Medicine..... | 1 | — | 1 | — | — | — |
| Fizzules..... | — | 1 | — | 1 | — | — |
| Fizzy Squib | — | 1 | — | 1 | — | — |
| Fruit Cake | — | 1 | — | 1 | — | — |
| Fudge and Date Cones | 1 | — | 1 | — | — | — |
| Fulovit | 1 | — | 1 | — | — | — |
| Ge-e-Ge Laxative & Cooling Powder | 1 | — | — | — | 1 | — |
| G.I. Gum | — | 1 | — | 1 | — | — |
| Gin..... | 1 | — | 1 | — | — | — |
| Ginger | — | 1 | — | 1 | — | — |
| Glycerine | — | 1 | — | 1 | — | — |
| Glycerine, Honey & Oil of Lemon | — | 1 | — | 1 | — | — |
| Grape Juice (Fruit) | 1 | — | 1 | — | — | — |
| Gravy Browning | — | 1 | — | 1 | — | — |
| Gravy Improver | — | 1 | — | 1 | — | — |
| Ground Almonds | 1 | 1 | 1 | 1 | — | — |
| Ground Rice | 1 | — | 1 | — | — | — |
| Halibut Liver Oil Capsules..... | — | 1 | — | 1 | — | — |
| Health Salt | — | 1 | — | 1 | — | — |
| Honey Wheat Crunch..... | 1 | — | 1 | — | — | — |
| Ice Cream | 3 | 9 | 3 | 8† | — | — |
| Ice Cream Cones | 1 | — | — | — | 1 | — |
| Ice Cream Cups | 1 | — | 1 | — | — | — |
| Ice Cream Wafers | 1 | — | 1 | — | — | — |
| Icitts | — | 1 | — | 1 | — | — |
| Indian Brandee | — | 1 | — | 1 | — | — |
| Infirmary Syrup | — | 1 | — | 1 | — | — |
| Jellies (Unsweetened)..... | — | 1 | — | 1 | — | — |
| Jelly Cream | — | 1 | — | 1 | — | — |
| Kidney & Rheumatic Pills | — | 1 | — | 1 | — | — |
| Lemon Cheese | — | 1 | — | 1 | — | — |
| Lemon Fizzades | — | 1 | — | 1 | — | — |
| Lime Juice Cordial | 1 | — | 1 | — | — | — |
| Lozenges | 1 | — | 1 | — | — | — |
| Lumps (Green) | 1 | — | 1 | — | — | — |
| Luncheon Meat | — | 1 | — | 1 | — | — |
| Malt Fruit Cake | — | 1 | — | 1 | — | — |
| TOTAL | 18 | 40 | 16 | 39 | 2 | — |

† one sample broken in transit.

Table 8—Continued. FOOD & DRUGS ACT, 1938.

| | Samples Taken | | Samples Genuine | | Samples Adulterated | |
|----------------------------------|---------------|-----------|-----------------|-----------|---------------------|----------|
| | Formal | Informal | Formal | Informal | Formal | Informal |
| Malt Lumps | 1 | — | 1 | — | — | — |
| Malt Vinegar | 1 | — | 1 | — | — | — |
| Malted Milk Tablets | — | 1 | — | 1 | — | — |
| Marshmallow Cones | 1 | 1 | — | 1 | 1 | — |
| Marshmallow Tea-cakes..... | 1 | — | 1 | — | — | — |
| Marshmallow Wafers | 1 | — | 1 | — | — | — |
| Marzipan Almond Paste | | | | | | |
| Substitute..... | 1 | — | 1 | — | — | — |
| Meat Pie | — | 1 | — | 1 | — | — |
| Mild Beer | 1 | — | 1 | — | — | — |
| Milk Chocolate Coconut Cream... | 1 | — | 1 | — | — | — |
| Milk Pudding | — | 1 | — | 1 | — | — |
| Milk Whipping..... | — | 1 | — | 1 | — | — |
| Mincemeat | — | 2 | — | 2 | — | — |
| Mint (Garden) | 1 | — | 1 | — | — | — |
| Mixed Fruit Bar | — | 1 | — | 1 | — | — |
| Mixed Vegetables | — | 1 | — | 1 | — | — |
| Muffins | 1 | — | 1 | — | — | — |
| Mustard..... | — | 1 | — | 1 | — | — |
| Nervone | 1 | — | 1 | — | — | — |
| Nitre of Influenza Mixture | 1 | — | 1 | — | — | — |
| Nu Whipp Artificial Cream | — | 1 | — | 1 | — | — |
| Oatmeal | 1 | — | 1 | — | — | — |
| Old fashioned flavoured Port | | | | | | |
| Wine | 1 | — | 1 | — | — | — |
| Olive Oil | — | 1 | — | 1 | — | — |
| Onion Powder | — | 1 | — | 1 | — | — |
| Orange flavoured Jelly | — | 1 | — | 1 | — | — |
| Orange Sulphur tablets | — | 1 | — | 1 | — | — |
| Packet Cheeses | — | 1 | — | 1 | — | — |
| Parish's Food | 1 | — | 1 | — | — | — |
| Parkin | — | 1 | — | 1 | — | — |
| Peanut Butter | — | 1 | — | 1 | — | — |
| Pepper Flavoured Compound ... | — | 1 | — | 1 | — | — |
| Pineapple Jelly | 1 | 1 | 1 | 1 | — | — |
| Pineapple Juice | 1 | — | 1 | — | — | — |
| Pink and White Ice | 1 | — | 1 | — | — | — |
| Plums | — | 1 | — | 1 | — | — |
| Potted Meat | 1 | — | 1 | — | — | — |
| Powdered Borax | — | 1 | — | 1 | — | — |
| Pudding Spice | 1 | — | 1 | — | — | — |
| Pure Honey | 1 | — | 1 | — | — | — |
| Pure Raspberry Vinegar | — | 1 | — | 1 | — | — |
| Q-er-Flu | — | 1 | — | 1 | — | — |
| Rock Cod | — | 1 | — | 1 | — | — |
| TOTAL | 21 | 25 | 20 | 25 | 1 | — |

Table 8.—Continued. FOOD & DRUGS ACT, 1938.

| | Samples Taken | | Samples Genuine | | Samples Adulterated | |
|----------------------------------|---------------|------------|-----------------|-------------|---------------------|----------|
| | Formal | Informal | Formal | Informal | Formal | Informal |
| Royal Pickle | — | 1 | — | 1 | — | — |
| Sago | 1 | — | 1 | — | — | — |
| Salad Cream | 3 | 1 | 3 | 1 | — | — |
| Salad Oil | — | 1 | — | 1 | — | — |
| Sauce..... | — | 1 | — | 1 | — | — |
| Sausage Rolls | 1 | — | 1 | — | — | — |
| Scotch Broth | — | 1 | — | 1 | — | — |
| Sild in Tomato Sauce | — | 1 | — | 1 | — | — |
| Solid Soft Drink..... | — | 1 | — | 1 | — | — |
| Steak & Kidney Pie | — | 1 | — | 1 | — | — |
| Steak Puddings | 1 | — | 1 | — | — | — |
| Strawberry Jelly..... | 1 | — | 1 | — | — | — |
| Sugar Mice | 1 | — | 1 | — | — | — |
| Sweet Cigarettes | 1 | — | 1 | — | — | — |
| Swiss Roll | — | 1 | — | 1 | — | — |
| Synthetic Cream | 2 | — | — | — | 2 | — |
| Table Jelly Crystals | — | 1 | — | — | — | 1 |
| Table Vinegar | 1 | — | — | — | 1 | — |
| Tapioca Dessert | — | 1 | — | 1 | — | — |
| Tincture of Rhubarb | 1 | — | 1 | — | — | — |
| Tinned Oysters | — | 1 | — | — | — | 1 |
| Toffee | — | 1 | — | 1 | — | — |
| Toffee Animals | — | 1 | — | 1 | — | — |
| Tomato Soup | — | 2 | — | 2 | — | — |
| Tongue Paste | — | 1 | — | 1 | — | — |
| Trifle | 1 | — | 1 | — | — | — |
| Wafer Biscuit | — | 1 | — | 1 | — | — |
| Whisky | 1 | — | 1 | — | — | — |
| White Pepper | 1 | — | 1 | — | — | — |
| White Vaseline | — | 1 | — | 1 | — | — |
| Wind & Water Pills | — | 1 | — | 1 | — | — |
| Worm Syrup | — | 1 | — | 1 | — | — |
| Yorkshire Relish..... | — | 1 | — | 1 | — | — |
| Zinc & Castor Oil Ointment | — | 1 | — | 1 | — | — |
| TOTAL | 16 | 23 | 13 | 21 | 3 | 2 |
| <i>Brought forward</i> | (i) 157 | 37 | 138 | 36 | 19 | 1 |
| | (ii) 18 | 40 | 16 | 39 | 2 | — |
| | (iii) 21 | 25 | 20 | 25 | 1 | — |
| | (iv) 16 | 23 | 13 | 21 | 3 | 2 |
| GRAND TOTAL..... | 212 | 125 | 187 | 121‡ | 25 | 3 |

‡ plus one sample broken in transit.

TABLE 9.

FOOD & DRUGS ACT, 1938. ACTION TAKEN IN REGARD TO ADULTERATED SAMPLES.

| Article Purchased | No. of Sample | Formal | Informal | Amount of Adulteration. | Action Taken. |
|--|---------------|--------|----------|---|---|
| Vanilla Flavoured Barley Pudding Mixture | 823 | — | 1 | Infected with tyroglyphid mites. | Ten per cent. of existing stock subjected to microscopic examination. No infestation found. |
| Marshmallow Cones | 807 | — | 1 | Confectionery containing 250 parts per million of boric acid. | Informal Sample. Formal sample No. 831 obtained. See report below. |
| Marshmallow Cones | 831 | 1 | — | Confectionery containing 700 parts per million of boric acid. | Manufacturer fined £5 and £5 costs, with £16 16s. 0d. special costs. |
| Ice Cream Cones ... | 850 | 1 | — | Biscuit preparation containing 1700 parts per million of boric acid. | Case dismissed following legal error in service of summons. £15 15s. 0d. costs awarded to defendant. |
| Milk | 874 | 1 | — | Deficient of fat to the extent of 11% and of solids not fat to the extent of 1%. Freezing point (Hortvet) —0.538°C. | Case dismissed following evidence from defendant and his employees that the milk had not been interfered with. No costs awarded to defendant. Appeal to cow samples were all satisfactory and read as follows: No. 878—Fat 3.30% S.N.F. 8.95% No. 879—Fat 3.30% S.N.F. 8.85% No. 880—Fat 3.30% S.N.F. 8.70% No. 881—Fat 3.55% S.N.F. 8.70% No. 882—Fat 3.40% S.N.F. 8.60% No. 883—Fat 3.35% S.N.F. 8.50% No. 884—Fat 3.35% S.N.F. 8.50% |

| | | | | | | | |
|---------------------------------|-----|-----|------|---|---|--|---|
| Milk | ... | ... | 901 | 1 | — | Deprived of 6% of its original milk fat. | Letter of warning sent. |
| Milk | ... | ... | 908 | 1 | — | Deprived of 5% of its original milk fat. | Letter of warning sent. |
| Milk | ... | ... | 910 | 1 | — | Contained 7% of added water. | Letter of warning sent. |
| Milk | ... | ... | 948 | 1 | — | Contained 5½% of added water. | Fined £2 2s. 0d. and £1 1s. 0d. costs. |
| Milk | ... | ... | 949 | 1 | — | Contained 5% of added water. | Fined £2 2s. 0d. and £1 1s. 0d. costs. |
| Milk | ... | ... | 967 | 1 | — | Deprived of 23% of its original milk fat. | These ten samples were part of a group of twelve which were purchased from a Wholesale Milk Producer. Appeal to Cow samples were obtained which prove the milk to have an abnormal low fat content. The producer was notified of the poor quality of his milk and advised on methods of production. |
| Milk | ... | ... | 968 | 1 | — | Deprived of 6½% of its original milk fat. | |
| Milk | ... | ... | 969 | 1 | — | Deprived of 23% of its original milk fat. | |
| Milk | ... | ... | 970 | 1 | — | Deprived of 15% of its original milk fat. | |
| Milk | ... | ... | 971 | 1 | — | Deprived of 33% of its original milk fat. | |
| Milk | ... | ... | 972 | 1 | — | Deprived of 6½% of its original milk fat. | |
| Milk | ... | ... | 975 | 1 | — | Deprived of 18% of its original milk fat. | |
| Milk | ... | ... | 976 | 1 | — | Deprived of 3% of its original milk fat. | |
| Milk | ... | ... | 977 | 1 | — | Deprived of 3% of its original milk fat. | |
| Milk | ... | ... | 978 | 1 | — | Deprived of 13% of its original milk fat. | |
| Canned Oysters | ... | ... | 960 | — | 1 | Contained 125 parts per million of Zinc. | Letter of warning sent. |
| Table Jelly Crystals | ... | ... | 964 | — | 1 | Slightly deficient in sugar. | Letter of warning sent. |
| Gee-Gee Laxative Cooling Powder | ... | ... | 919 | 1 | — | Medicinal preparation slightly deficient of calomel. | Preparation of this article has been stopped. Place of production closed. |
| Table Vinegar | ... | ... | 1018 | 1 | — | Artificial vinegar deficient of acetic acid | Total fine of £4 and £1 8s. 6d. costs. |
| Cheese Cake Flour | ... | ... | 1044 | — | 1 | Contained 17 parts of lead per million. | No stocks available for formal sample. Letter of warning sent to manufacturer. |

Table 9—Continued. FOOD & DRUGS ACTS, 1938.

| Article Purchased | No. of Sample | Formal | Informal | Amount of Adulteration | Action Taken. |
|---------------------------------------|---------------|--------|----------|---|--|
| Milk | 1065 | 1 | — | Contained 0.9% of added water. | Letter of warning sent. |
| Synthetic Cream ... | 1116 | 1 | — | Contained an excess of boric acid amounting to 0.04%. | Fined £2 and £2 2s. 0d. costs. Absolute discharge for false warranty offence. |
| Milk | 1118 | 1 | — | Contained 4% of added water. | Fined £2 and £1 1s. 0d. costs. |
| Canned Xmas Pudding | 1133 | — | 1 | Slightly deficient of sugar. | Letter of warning sent. |
| Nervone | 1136 | 1 | — | Article incorrectly labelled. | Case against method of labelling dismissed. £26 5s. 0d. costs awarded defendant. |
| Old fashioned Non-alcoholic port wine | 1138 | 1 | — | Article incorrectly labelled. Misleading as the flavour did not resemble port wine. | Letter of warning sent. Type of label used approved by Ministry of Food. |
| Milk | 1148 | 1 | — | Contained 5½% of added water. | Fined £4 and £1 1s. 0d. costs. |
| Milk | 1149 | 1 | — | Contained 4½% of added water. | Fined £4 and £1 1s. 0d. costs. |
| Coconut flavoured cake flour mixture | 1090 | — | 1 | Slightly deficient of available carbon dioxide. | Letter of warning sent. |

A producer/retailer of milk was prosecuted for obstruction and for refusing to allow a sample of milk to be taken. A fine of £10 0s. 0d. was imposed.

Fertilisers and Feeding Stuffs Act, 1926. Eleven samples of feeding stuffs and fertilisers were examined by the Analyst during the year.

All conformed with the statutory statement.

The appended table gives particulars of the work done under the Act.

TABLE 10.

| Article | No. of Samples | Formal | Informal | According to Statutory Statement | Not According to Statutory Statement | Action taken. |
|---------------------------------|----------------|--------|----------|----------------------------------|--------------------------------------|---------------|
| Sulphate of Potash | 1 | - | 1 | 1 | - | Nil. |
| Sulphate of Ammonia | 1 | - | 1 | 1 | - | " |
| National Growmore | 1 | - | 1 | 1 | - | " |
| Liquinure | 1 | - | 1 | 1 | - | " |
| Bonemeal | 1 | - | 1 | 1 | - | " |
| One week general fertiliser ... | 1 | - | 1 | 1 | - | " |
| Cod Liver Oil Food | 1 | - | 1 | 1 | - | " |
| Biscuit Meal ... | 1 | - | 1 | 1 | - | " |
| Dairy Nuts ... | 1 | - | 1 | 1 | - | " |
| Dairy Meal... .. | 1 | - | 1 | 1 | - | " |
| Maize Meal... .. | 1 | - | 1 | 1 | - | " |

PART IV

**Infectious Disease
Control.**

INFECTIOUS DISEASE CONTROL.

TABLE 11
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1950.

| NOTIFIABLE DISEASE. | Number of Notifications received | Number of Cases in which diagnosis was subsequently corrected | Corrected number of notifications | Number admitted to Hospital | Number Died |
|---|----------------------------------|---|-----------------------------------|-----------------------------|-------------|
| Small-pox | - | - | - | - | - |
| Cholera | - | - | - | - | - |
| Diphtheria (Including Membranous Croup) | - | - | - | 3† | - |
| Erysipelas | 9 | - | 9 | 1 | - |
| Scarlet Fever | 74 | 2 | 72 | 24 | - |
| Typhus Fever | - | - | - | - | - |
| Enteric Fever | 1 | - | 1 | 1 | - |
| Puerperal Pyrexia | 21 | - | 21 | 3 | - |
| Cerebro-spinal Meningitis | - | - | - | - | - |
| Ophthalmia Neonatorum | 1 | - | 1 | 1 | - |
| Pulmonary Tuberculosis | 65 | - | 65 | 126* | 7* |
| Other Forms of Tuberculosis | 16 | - | 16 | 15* | - |
| Poliomyelitis (Paralytic) | 4 | - | 4 | 5‡ | - |
| Poliomyelitis (Non-Paralytic) | 1 | - | 1 | 1 | - |
| Encephalitis Lethargica | - | - | - | - | - |
| Dysentery | 55 | - | 55 | 32 | - |
| Malaria | - | - | - | - | - |
| Pneumonia (Acute Primary and Acute Influenzal) | 55 | - | 55 | 9 | - |
| Diarrhoea | 6 | - | 6 | 5 | - |
| Whooping Cough | 180 | - | 180 | 10 | - |
| Measles | 1787 | - | 1787 | 33 | - |
| Pemphigus Neonatorum | - | - | - | - | - |
| Meningococcal Infection | 2 | - | 2 | 1§ | - |
| Food Poisoning | 6 | - | 6 | - | - |
| | 2283 | 2 | 2281 | 270 | 7 |

* Includes a number of cases notified in previous years.

† Admitted as ? Diphtheria. Proved not to be suffering from the disease.

§ Admitted as Cerebro Spinal Fever. Eventually classed as "Meningococcal Infection."

‡ One case proved not to be suffering from Poliomyelitis.

TABLE 12.

SHEWING NUMBER OF CASES OF INFECTIOUS DISEASES
NOTIFIED FROM 1938 TO 1950.

| DISEASE | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Smallpox... .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Diphtheria (including Mem- branous Croup) ... | 172 | 95 | 65 | 66 | 82 | 69 | 29 | 32 | 28 | 19 | 17 | 6 | ... |
| Erysipelas | 17 | 34 | 24 | 26 | 18 | 21 | 10 | 18 | 10 | 7 | 12 | 23 | 9 |
| Scarlet Fever | 235 | 192 | 92 | 98 | 254 | 317 | 330 | 399 | 120 | 159 | 213 | 27 | 74 |
| Enteric Fever | 2 | ... | 10 | 7 | ... | 2 | 2 | ... | 1 | 1 | ... | 3 | 1 |
| Puerperal Pyrexia ... | 24 | 23 | 12 | 23 | 19 | 23 | 29 | 22 | 33 | 64 | 48 | 28 | 21 |
| Typhus Fever | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cerebro-Spinal Meningitis | 6 | 7 | 25 | 35 | 20 | 13 | 4 | 10 | 5 | 6 | 5 | 2 | ... |
| Poilymyelitis (Paralytic) | 2 | 1 | 8 | ... | ... | ... | 1 | 2 | 1 | 2 | 3 | 10 | 4 |
| Poliomyelitis (non- paralytic) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Pulmonary Tuberculosis | 100 | 88 | 91 | 80 | 109 | 99 | 83 | 84 | 88 | 97 | 74 | 62 | 65 |
| Other forms of Tuberculosis | 38 | 31 | 24 | 26 | 32 | 25 | 9 | 26 | 22 | 25 | 34 | 12 | 16 |
| Ophthalmia Neonatorum | 5 | 14 | 6 | 14 | 13 | 15 | 15 | 23 | 28 | 23 | 14 | 13 | 1 |
| *Measles | ... | 107 | 1367 | 992 | 804 | 144 | 1220 | 306 | 596 | 584 | 779 | 1207 | 1787 |
| Encephalitis Lethargica | 5 | 3 | ... | 2 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... |
| Dysentery | ... | 15 | 2 | 41 | 2 | 64 | 78 | 59 | 16 | 4 | 8 | 1 | 55 |
| Malaria | 1 | ... | ... | 1 | ... | 1 | ... | ... | 1 | ... | ... | ... | ... |
| Pneumonia | 166 | 215 | 186 | 137 | 117 | 147 | 49 | 76 | 72 | 82 | 108 | 100 | 55 |
| ‡Diarrhoea | 2 | 3 | ... | 5 | 1 | ... | ... | 2 | ... | 6 | 11 | 9 | 6 |
| *Whooping Cough ... | ... | 142 | 412 | 249 | 147 | 218 | 132 | 93 | 125 | 52 | 236 | 232 | 180 |
| TOTALS | 775 | 970 | 2324 | 1802 | 1619 | 1159 | 1991 | 1152 | 1146 | 1231 | 1562 | 1805 | 2275 |

* Notifiable from 1939.

‡ Notifiable from July 1st to October 31st.

SECRET

MEMORANDUM FOR THE DIRECTOR, NATIONAL SECURITY AGENCY

DATE: 10/10/54

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PART V

National Health Service Act.

TABLE 13

| | St. Alban's Place | Holden House | Intack | Church Hill House | Albion Street | Stancilffe Street | Total |
|---|----------------------|-----------------|--------|----------------------|------------------|----------------------|-------|
| Number of Approved places— | | | | | | | |
| 0—2 years | 20 | 7 | ... | 8 | 8 | 8 | 51 |
| 2—5 years | 40 | 24 | 40 | 34 | 40 | 40 | 218 |
| | 60 | 31 | 40 | 42 | 48 | 48 | 269 |
| Number of Children on the Register at end of year— | | | | | | | |
| 0—2 years | 11 | 6 | ... | 6 | 8 | 10 | 41 |
| 2—5 years | 49 | 22 | 33 | 31 | 28 | 24 | 187 |
| | 60 | 28 | 33 | 37 | 36 | 34 | 228 |
| Total Attendances during the year— | | | | | | | |
| 0—2 years | 2482 | 1168 | ... | 1217 | 1114 | 452 | 6433 |
| 2—5 years | 7835 | 4118 | 7212 | 3736 | 1897 | 1006 | 25804 |
| | 10317 | 5286 | 7212 | 4953 | 3011 | 1458 | 32237 |

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN.

Steady progress has been made during the year in all departments covering maternal and child care. Good work continues to be done although the conditions under which it is done do not ease our task. All the Centres are housed in makeshift premises with consequent inconvenience to the performers ; many of the premises are dingy, depressing, and all are totally unsuitable for health educational purposes, an essential part of child health work. This state of affairs is not peculiar to Blackburn but applies to all areas which have to rely, in large or small degree, upon Church Halls and the like for Centre purposes. The solution of this question is the provision of premises specially designed and erected for the purpose. This provision, I fear, will not materialise speedily.

Three new Day Nurseries, Church Hill House, Stancliffe Street and Albion Street were opened during the year and also a Hostel in St. Albans Place for nursing staff whose homes are too distant to permit of daily travel to and from Blackburn. The hostel has undoubtedly helped the recruitment of junior staff, and has inculcated in the residents a corporate and team spirit so essential for smooth running of the nurseries.

Table 13 gives particulars of Day Nursery accommodation in the Borough, together with the number of children on the register and attendances during 1950.

Paediatrics.

A full-time paediatric consultant was appointed by the Regional Board for duty with the Blackburn, Burnley, Calderstones and Brockhall Hospital Management Committees. He began duty in December. His area is a large one and his commitments with the Regional Board preclude his direct use by the Authority although he is available through the Outpatient Department.

Ante-Natal Clinics. The Ante-Natal Clinic arrangements have functioned well and are fully complete. The Blood of all patients is Rh and Kahn tested followed, if necessary, by a Wasserman ; a haemoglobin estimation is done and, at the discretion of the pathologist, a blood count, basic metabolic rates and Pregnandiol Tests. All patients are weighed each time they attend the Clinic. Facilities at the Health Office for Ultra Violet Light and "relaxation class " treatment of expectant mothers are widely used and greatly appreciated by the recipients.

There is a close association between this section and the consultant services provided through the Hospital Authority.

Appended are particulars of attendances at the Ante-natal Clinics :—

TABLE 14.

| Sessions Conducted. | Public Health Department | St. Peter Street | TOTAL |
|---------------------------------|--------------------------|------------------|-------|
| <i>(a) By Medical Officers—</i> | | | |
| No. of sessions | 144 | 48 | 192 |
| No. of patients attended.... | 401 | 381 | 782 |
| No. of attendances | 1550 | 424 | 1974 |
| <i>(b) By Midwives—</i> | | | |
| No. of sessions | — | 220 | 220 |
| No. of patients attended.... | — | 878 | 878 |
| No. of attendances | — | 2360 | 2360 |

The following table shows the results of 568 specimens submitted to the Rh Factor and Kahn Test.

TABLE 15.

| WOMEN | | | | MEN (Husbands of Patients) | |
|--------------------|--------|-----|------|-------------------------------|------|
| VICTORIA STREET : | | Rh. | Kahn | Rh. | Kahn |
| Positive | | 267 | 2 | 37 | — |
| Negative | | 70 | 335 | 6 | 43 |
| | | — | — | — | — |
| | | 337 | 337 | 43 | 43 |
| ST. PETER STREET : | | | | | |
| Positive | | 176 | 6 | | |
| Negative | | 12 | 182 | | |
| | | — | — | — | — |
| | | 525 | 525 | 43 | 43 |
| | | — | — | — | — |

Patients were referred to special clinics or for special examinations as set out below :

| | Victoria St. | St. Peter St. |
|---------------------------------------|--------------|---------------|
| Basic Metabolic Rate | 8 | 4 |
| Pregnandiols Tests | 4 | 1 |
| Cases referred to Chest Clinic | 4 | 6 |
| " " E.N.T. Clinic | 7 | — |
| " " Venereal Diseases Clinic | — | 12 |
| " " Obstetrician | — | 10 |
| " " Heart Clinic | — | 15 |
| " " X-Ray Clinic | — | 36 |

I am indebted to Dr. McAdam for the appended report upon the special medical clinic for expectant mothers presenting non-obstetric abnormality, held fortnightly at the Health Department.

| | |
|--|-------|
| Total number of sessions held to December 31st, 1950 ... | 23 |
| Total number of new patients seen | 83 |
| Re-visits | 50 |
| | } 133 |

The following diagnoses were arrived at :

| | |
|---|----|
| Normal hearts | 18 |
| Abnormal hearts | 65 |
| Functional systolic murmur | 25 |
| Functional systolic murmur with physiological 3rd sound ... | 2 |
| Functional systolic murmur with split 1st sound | 1 |
| Split 1st sound | 1 |
| Extra systoles | 1 |
| Physiological 3rd sound | 3 |
| Mitral stenosis | 13 |
| Aortic incompetence with mitral stenosis | 1 |
| Aortic stenosis | 1 |
| Thyrotoxicosis | 3 |
| Chronic cor pulmonale | 1 |
| Hypertension | 2 |
| Chronic bronchitis | 2 |
| Hypochromic anaemia | 2 |
| Obesity | 1 |
| Allergic asthma | 1 |
| Pernicious anaemia | 1 |
| Pernicious anaemia of pregnancy | 1 |
| Anaemia with avitaminosis B. | 1 |
| Patent interventricular septum | 1 |
| Petit mal | 1 |
| Not diagnosed | 1 |

The following additional investigations were performed :—

| | | | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| E.C.G. | ... | ... | ... | ... | ... | ... | ... | ... | 17 |
| Blood count | ... | ... | ... | ... | ... | ... | ... | ... | 9 |
| X-ray chest | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| X-ray heart | ... | ... | ... | ... | ... | ... | ... | ... | 21 |

A. L. McADAM.

Throughout the year all cases who attended this Clinic were safely delivered. This is ample proof of the important part which it plays in the maternity scheme.

Post-Natal Clinic.

The Victoria Street Post-Natal Clinic was discontinued in March when it was merged into the fortnightly clinics held at the St. Peter Street Home.

| | | | | Victoria St. | St. Peter St. |
|---|-----|-----|-----|--------------|---------------|
| Number of Sessions held | ... | ... | ... | 6 | 24 |
| Number of Attendances made | ... | ... | ... | 7 | 118 |
| Number of Individuals | ... | ... | ... | — | 79 |
| Number of abnormal cases | ... | ... | ... | — | 34 |
| Number of cases in which no abnormality was found | ... | ... | ... | — | 45 |

Relaxation Classes. This service, started in 1948, continued actively during the year under review.

Expectant mothers start to attend the classes at about the fifth month, continue until a fortnight before confinement is due, and have also a course of Sunlight Treatment.

| | | | | | |
|--|-----|-----|-----|-----|------|
| Number of patients attending during 1950 | ... | ... | ... | ... | 200 |
| Number of attendances | ... | ... | ... | ... | 2335 |

A gas and air apparatus is provided for the practical instruction of mothers attending the relaxation classes. They thus become familiar with, and gain confidence in, the apparatus before confinement.

Multiparae who attend the relaxation classes are loud in their appreciation of this form of treatment which, they say, makes their labour less of an ordeal.

Ultra Violet Light Clinic. One hundred and forty-two Maternity and Child Welfare cases attended the Ultra Violet Light Clinic which is conducted at the Health Department and received 1,396 exposures.

Puerperal Pyrexia. Sixteen Borough cases were notified during the year, none of which terminated fatally.

NOTIFICATION OF BIRTHS

| | <i>Live Births</i> | <i>Still Births</i> | <i>Total</i> |
|------------------------|--------------------|---------------------|--------------|
| Doctors | 1 | — | 1 |
| Midwives | 1057 | 16 | 1073 |
| Parents and others ... | 1052 | 54 | 1106 |
| TOTALS ... | 2110 | 70 | 2180 |

Still Births. The number of still births registered during the year and allocated to the Borough was 37.

The appended Table gives particulars as to the possible and probable causes of Blackburn cases :—

| <i>Cause.</i> | <i>No. of Still Births</i> |
|--|----------------------------|
| 1. Placenta Praevia | 2 |
| 2. Toxaemias of Pregnancy | 6 |
| 3. Maternal States— | |
| (a) Rh Factor | 3 |
| (b) Debility | 1 |
| 4. Foetal states (excluding Syphilis)— | |
| (a) Hydrocephalus (Craniotomy performed) ... | 1 |
| (b) Cord Round Neck | 3 |
| (c) Prolapsed Cord | 1 |
| 5. Prematurity | 3 |
| 6. Breech Presentation | 2 |
| 7. Delayed Labour | 2 |
| 8. Unascertained | 13 |
| TOTAL | 37 |

Maternal Mortality. There were two maternal deaths during the year, both of which were unavoidable.

Casuses of death are set out below :

- (a) (1) Haemorrhagic nephritis; (2) cortical necrosis of kidney, following accidental haemorrhage.
- (b) Haemorrhage, operative shock.

Neo-Natal Deaths.—During the year 29 infants died within one month of birth. Eight of the deaths were ascribed to foetal states, 20 to prematurity, and the remaining one case to a post-natal cause.

Premature Births.—115 premature infants were born during 1950 to mothers whose homes are in the borough. 95 were alive at the end of the year.

CAUSES OF PREMATURETY :

| | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|----|
| Twin Pregnancy | ... | ... | ... | ... | ... | ... | ... | 13 |
| General Debility of mother | ... | ... | ... | ... | ... | ... | ... | 11 |
| Ante-Partum Haemorrhage | ... | ... | ... | ... | ... | ... | ... | 2 |
| Rh. negative | ... | ... | ... | ... | ... | ... | ... | 1 |
| Toxaemia of mother | ... | ... | ... | ... | ... | ... | ... | 7 |
| Diseased Placenta | ... | ... | ... | ... | ... | ... | ... | 1 |
| Accident to Mother | ... | ... | ... | ... | ... | ... | ... | 1 |
| Syphilis | ... | ... | ... | ... | ... | ... | ... | 1 |
| Caesarean Section | ... | ... | ... | ... | ... | ... | ... | 1 |
| Others | ... | ... | ... | ... | ... | ... | ... | 1 |
| Not known | ... | ... | ... | ... | ... | ... | ... | 76 |

Arrangements for the domiciliary care of premature infants have been described in previous reports.

Infantile Mortality.—During the year there were 53 deaths of infants. This figure corresponds to an infantile mortality rate of 34·13 per 1,000 live births registered, compared with 36·8 in 1948 and 46·5 in 1949.

Of the deaths registered 46 were of legitimate and five of illegitimate children. The rate of infantile mortality amongst legitimate infants was 31·25 per 1,000 legitimate births registered, and amongst illegitimate children 86·4 per 1,000 illegitimate births registered.

Of the deaths certified, twenty-nine, or 56·8%, occurred within the first month of life. The more important causes of these deaths were as follows :—

| <i>Cause.</i> | | | | | | | | <i>Number of Deaths.</i> |
|-------------------|-----|-----|-----|-----|-----|-----|-----|--------------------------|
| Premature Birth | ... | ... | ... | ... | ... | ... | ... | 20 |
| Congenital defect | ... | ... | ... | ... | ... | ... | ... | 2 |
| Pneumonia | ... | ... | ... | ... | ... | ... | ... | 1 |

Ophthalmia Neonatorum. One case was notified during the year, a birth which had taken place at home. The case was removed to Park Lee Hospital; vision was unimpaired.

Maternity and Child Welfare Centres. There are ten Maternity and Child Welfare Centres in the Borough: Princes Street, Russell Street, Kendal Street, Griffin Parochial Hall, Bentham Street, Cornelian Street, Hozier Street, Lower Darwen, Newton Street and Longshaw. Two sessions are held each week at Hozier Street, Kendal Street and Princes Street. The Lower Darwen Clinic is held once each fortnight.

In the following Table it will be noted that the attendances numbered 36,027 compared with 38,226 in 1949. This reduction in attendances is largely attributable to the decrease in the number of births during the year.

TABLE 16

| | Princes Street (2 Sessions weekly) | Hozier Street (2 sessions weekly) | Russell Street | Kendal Street (2 sessions weekly) | Griffin | Cornelian Street | Bentham Street | Lower Darwen | Longshaw | Newton Street | TOTAL |
|---|--|---|-------------------|---|---------|---------------------|-------------------|-----------------|----------|------------------|-------|
| INFANTS— | | | | | | | | | | | |
| New cases under 1 year | 154 | 142 | 107 | 190 | 106 | 128 | 94 | 23 | 73 | 140 | 1157 |
| No. of re-attendances | 3214 | 3037 | 1541 | 3241 | 2273 | 2473 | 1684 | 442 | 1347 | 3092 | 22344 |
| New cases over 1 year | 35 | 26 | 21 | 39 | 16 | 17 | 3 | 2 | 16 | 36 | 211 |
| No. of re-attendances | 2710 | 1915 | 1074 | 1194 | 1355 | 1139 | 826 | 304 | 694 | 487 | 11698 |
| Attendances of Infants | 6113 | 5120 | 2743 | 4664 | 3750 | 3757 | 2607 | 771 | 2130 | 3755 | 35410 |
| Consultations with Doctor | 1100 | 831 | 425 | 881 | 602 | 472 | 517 | 112 | 397 | 640 | 5977 |
| EXPECTANT MOTHERS | | | | | | | | | | | |
| No. of new cases | 60 | 22 | 11 | 4 | 8 | 18 | 6 | 2 | 6 | 16 | 153 |
| No. of re-attendances | 150 | 15 | 36 | 13 | 81 | 78 | 50 | 3 | 5 | 33 | 464 |
| Total Attendances of Expectant Mothers | 210 | 37 | 47 | 17 | 89 | 96 | 56 | 5 | 11 | 49 | 617 |
| Total Attendances | 6323 | 5157 | 2790 | 4681 | 3839 | 3853 | 2663 | 776 | 2141 | 3804 | 36027 |
| Average Attendance of infants per session..... | 66 | 54 | 56 | 48 | 75 | 80 | 55 | 34 | 43 | 73 | *567 |

* Total average attendance *each week* at all Centres.

Of the live births notified during the year 1,157 or 74.3% attended the Infantile Consultation Centres.

Dental Treatment. One hundred and twelve dental sessions were devoted to expectant and nursing mothers and pre-school children.

The number of treatments was 480, particulars of which are set out below.

MATERNITY

| | | | | | |
|--|-----|-----|-----|-----|-----|
| Number of Sessions held | ... | ... | ... | ... | 89 |
| Number of patients treated | ... | ... | ... | ... | 245 |
| Extractions | ... | ... | ... | ... | 353 |
| Fillings | ... | ... | ... | ... | 92 |
| Other operations (Dressings, etc.) | ... | ... | ... | ... | 49 |
| General Anaesthetics | ... | ... | ... | ... | 54 |
| Number of cases referred for dentures... | ... | ... | ... | ... | 13 |

CHILD WELFARE

| | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|
| Number of Sessions held | ... | ... | ... | ... | 23 |
| Number of invitations for Inspection | ... | ... | ... | ... | 874 |
| Number of invitations accepted | ... | ... | ... | ... | 300 |
| Number of cases treated | ... | ... | ... | ... | 216 |
| Temporary teeth extracted | ... | ... | ... | ... | 309 |
| Temporary teeth filled | ... | ... | ... | ... | 66 |
| Other operations (dressings, etc.) | ... | ... | ... | ... | 31 |
| General Anaesthetics | ... | ... | ... | ... | 45 |

DAY NURSERY

| | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|
| Children inspected | ... | ... | ... | ... | 101 |
| Children referred for treatment | ... | ... | ... | ... | 19 |
| Children treated | ... | ... | ... | ... | 19 |

TABLE 17

FEEDING OF INFANTS UP TO SIX MONTHS OF AGE—

| Condition at end of 6 months | Number of infants investigated | Breast fed entirely | BREAST FEEDING ALONE UP TO END OF | | | | | | BREAST FEEDING JOINTLY WITH ARTIFICIAL UP TO END OF | | | | | | Artificial fed entirely |
|---------------------------------|--------------------------------------|------------------------|--------------------------------------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|----------------------------|
| | | | 3 weeks | 1st | 2nd | 3rd | 4th | 5th | 1st | 2nd | 3rd | 4th | 5th | 6th | |
| | | | | month | month | month | month | month | month | month | month | month | month | month | |
| Satisfactory | 1414 | 303 | 65 | 95 | 119 | 85 | 63 | 95 | 67 | 69 | 39 | 25 | 15 | 17 | 357 |
| Fairly Satisfactory | 108 | 26 | 4 | 12 | 15 | 11 | — | — | 17 | 2 | 1 | — | — | — | 20 |
| Unsatisfactory ... | 34 | 4 | 4 | 6 | 1 | 3 | — | — | 1 | — | — | — | — | — | 15 |
| Dead | 41 | — | 2 | 3 | 3 | 1 | — | — | 2 | 2 | — | — | — | 2 | 6 |
| | 1597 | 333 | 75 | 116 | 138 | 100 | 63 | 95 | 87 | 73 | 40 | 25 | 15 | 19 | 398 |

Care of Illegitimate Children..

The Committee make grants of £100 and £200 per annum to the Moral Welfare Shelter and The Grange Hostel respectively, both of which are controlled by the Diocese. The former grant is for general welfare work and the latter towards the upkeep of the Grange, a residential hostel for the care of unmarried mothers and their children. The Hostel provides 25 beds and 24 cots and received five Blackburn mothers in the year under review.

SECTION 23. MIDWIFERY SERVICES.

During the year the domiciliary midwifery service worked well and in close association both with the specialist services provided by the Local Hospital Management Committee and with the ancillary services (domestic help, health visiting, etc.), available through the Health Department.

During the year the domiciliary midwives attended a total of 378 and 236 cases as midwives and maternity nurses respectively. Three hundred and eighty-seven cases received gas/air analgesia.

Twenty-nine members of the staff are now trained in this form of treatment and ten sets of analgesia apparatus are available for their use. Transport of staff and equipment (either by means of cars provided by the Nursing Association or by an immediate "on-call" day and night taxi service) are fully adequate.

Eighty-five medical aid forms were received during the year.

SECTION 24. HEALTH VISITING.

A partial merger of the Health Visiting and School Nursing Services, referred to in my report for 1949, took effect from 1st April, 1950, and has already shown up the advantages of a combined service, which will be complete when one student, under contract to the Health Committee, and now attending the Bolton Course, qualifies and is absorbed into the staff.

Particulars of their work as Health Visitors is set out below in Tables 18 and 19.

TABLE 18.

CLINIC SESSIONS ATTENDED.

| | Supt. Health Visitor | Dist. I. | Dist. II. | Dist. III. | Dist. IV. | Dist. V. | Dist. VI. | Dist. VII. | Dist. VIII. | Dist. IX. | Dist. X. | Dist. XI. | Dist. XII. | Dist. XIII. | Total |
|---------------------------|----------------------------|-------------|--------------|---------------|--------------|-------------|--------------|---------------|----------------|--------------|-------------|--------------|---------------|----------------|--------|
| Maternity and Child | | | | | | | | | | | | | | | |
| Welfare Clinics ... | 1 | 80 | 73 | 70 | 75 | 77 | 74 | 13 | 69 | 58 | 48 | 49 | 42 | 30 | 759 |
| Ante-Natal Clinics ... | 160 | 18 | 10 | 10 | 7 | 7 | 7 | 101 | 6 | - | - | 1 | - | - | 327 |
| Special V.D. Clinics ... | 58 | 13 | - | 17 | - | - | - | 33 | - | - | - | - | - | - | 121 |
| Other Clinics ... | 9 | 2 | - | - | 1 | 2 | 1 | - | 1 | - | - | 1 | - | - | 17 |
| TOTALS ... | 228 | 113 | 83 | 97 | 83 | 86 | 82 | 147 | 76 | 58 | 48 | 51 | 42 | 30 | 1224 |
| Total Houses visited ... | 30 | 2611 | 2714 | 2851 | 2607 | 2632 | 2430 | 633 | 1455 | 1871 | 2712 | 1352 | 2104 | 870 | 26,872 |
| Total Persons visited ... | 38 | 3211 | 3038 | 2371 | 3113 | 2849 | 2308 | 639 | 1883 | 1754 | 2444 | 1784 | 1733 | 944 | 28,109 |

TABLE 19.

| | Supt. Health Visitor | Dist. I. | Dist. II. | Dist. III. | Dist. IV. | Dist. V. | Dist. VI. | Dist. VII. | Dist. VIII. | Dist. IX. | Dist. X. | Dist. XI. | Dist. XII. | Dist. XIII. | Total |
|--|----------------------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|----------------|--------------|--------------|--------------|---------------|----------------|---------------|
| Visits to Expect't Mother— | | | | | | | | | | | | | | | |
| First Visits ... | 12 | 63 | 11 | 13 | 14 | 16 | 2 | — | 34 | — | — | — | 2 | — | 167 |
| Re-visits ... | 2 | 27 | 1 | 4 | 14 | 2 | 9 | 27 | 13 | 1 | — | 1 | 7 | — | 108 |
| Infants under 1 year— | | | | | | | | | | | | | | | |
| First Visits ... | 2 | 194 | 149 | 114 | 130 | 190 | 156 | — | 205 | 107 | 105 | 100 | 68 | 25 | 1,545 |
| Re-visits ... | 18 | 650 | 510 | 976 | 871 | 931 | 806 | — | 474 | 775 | 925 | 672 | 895 | 355 | 8,858 |
| Infants aged 1 year ... | 21 | 560 | 590 | 821 | 594 | 533 | 715 | — | 351 | 585 | 811 | 411 | 706 | 178 | 6,876 |
| Children 2—5 years ... | 53 | 1,171 | 1,360 | 868 | 1,508 | 851 | 566 | — | 745 | 821 | 1,034 | 743 | 503 | 49 | 10,272 |
| Ophthalmia-Neonatorum— | | | | | | | | | | | | | | | |
| First Visits ... | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Re-visits ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Diarrhoea— | | | | | | | | | | | | | | | |
| First Visits ... | — | — | 1 | — | — | — | — | — | — | 1 | 12 | — | — | 1 | 15 |
| Re-visits ... | — | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — | 2 |
| Still Births ... | — | 5 | 4 | 2 | 5 | 5 | 2 | — | 9 | 1 | 3 | 2 | — | 3 | 41 |
| Doctors' Accounts ... | — | — | — | — | 29 | — | — | — | — | — | — | — | — | — | 29 |
| Minor Infectious Diseases | 17 | 179 | 177 | 122 | 218 | 284 | 206 | 132 | 94 | 70 | 239 | 248 | 76 | 121 | 2,183 |
| Puerperal Fever Visits | — | — | 2 | 2 | — | 8 | 1 | — | — | — | — | — | — | 6 | 19 |
| Houses where deaths of infants occurred ... | — | 3 | 1 | — | 2 | 2 | 1 | — | — | — | — | — | — | — | 9 |
| Miscellaneous Visits ... | 65 | 179 | 109 | 108 | 55 | 140 | 74 | 502 | 33 | 24 | 164 | 69 | 17 | 18 | 1,557 |
| TOTALS ... | 190 | 3,032 | 2,915 | 3,030 | 3,440 | 2,963 | 2,538 | 661 | 1,958 | 2,386 | 3,293 | 2,246 | 2,274 | 756 | 31,682 |

SECTION 25. HOME NURSING.

Details of the work done by the District Nurses are set out below :

| | | |
|---|--------|--------|
| Total number of visits paid during the year | ... | 73,839 |
| Number of cases on books at end of 1949 | | 362 |
| " " " seen in 1950 | | 3,139 |
| " " " on books at end of 1950 | | 450 |

The Home nursing service has worked efficiently and the hand over of the administration to the Health Committee was effected smoothly and with surprisingly little difficulty.

The Association presented their premises to the Corporation, a magnificent gift which is to be commemorated by a suitably inscribed bronze tablet which will shortly be placed in the home.

The members of the Health Committee hoped that part, at any rate, of the remaining assets of the Association might be set aside to form a Trust Fund for the benefit of the nursing staff. These hopes were not realised since the Association's assets are to be disposed of otherwise.

SECTION 26. IMMUNISATION AND VACCINATION.

(a) Diphtheria.

During the year, 1,224 children under the age of five years and 369 over that age were immunised against diphtheria ; of these 327 were treated by general practitioners. In addition, 601 children previously immunised, received boosting doses of prophylactic.

The percentage (91.6%) of children over the age of five years protected against diphtheria is satisfactory, that (56.7%), under the age of five years is less so, but the intensified follow-up which I mentioned in my report for 1949 should see an appreciable increase in the protection rate of children in the latter age group by the end of 1951.

TABLE 20.

DIPHTHERIA IMMUNISATION.

TREATMENTS COMPLETED EACH YEAR FROM 1941 TO 1950.

| Age in years on 31st December of corresponding year. | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 |
|--|------|------|------|------|------|------|------|------|------|------|
| 1 | 284 | 543 | 762 | 667 | 930 | 866 | 959 | 1237 | 1030 | 1016 |
| 2 | 205 | 306 | 187 | 145 | 136 | 108 | 157 | 77 | 78 | 73 |
| 3 | 296 | 330 | 174 | 57 | 76 | 80 | 48 | 48 | 125 | 71 |
| 4 | 418 | 382 | 212 | 101 | 117 | 113 | 150 | 103 | 40 | 64 |
| 5 | 599 | 256 | 215 | 106 | 160 | 106 | 123 | 91 | 24 | 155 |
| 6 | 583 | 168 | 187 | 100 | 130 | 86 | 155 | 77 | 45 | 55 |
| 7 | 503 | 127 | 115 | 78 | 125 | 116 | 117 | 70 | 30 | 49 |
| 8 | 500 | 97 | 128 | 71 | 120 | 85 | 106 | 68 | 20 | 28 |
| 9 | 550 | 87 | 118 | 79 | 113 | 77 | 103 | 77 | 15 | 19 |
| 10 | 484 | 73 | 99 | 71 | 127 | 59 | 89 | 61 | 9 | 18 |
| 11 | 462 | 47 | 58 | 31 | 113 | 57 | 72 | 52 | 32 | 14 |
| 12 | 536 | 26 | 33 | 24 | 159 | 49 | 76 | 9 | 24 | 12 |
| 13 | 399 | 20 | 36 | 33 | 148 | 35 | 58 | 8 | 35 | 8 |
| 14 | 96 | ... | 11 | 5 | 64 | 8 | 31 | 10 | 24 | 11 |
| 15+ | 116 | ... | ... | 3 | ... | ... | 4 | ... | 4 | ... |
| TOTAL ... | 6031 | 2462 | 2335 | 1571 | 2518 | 1845 | 2248 | 1988 | 1535 | 1593 |

The figures for the year covered by this Report would, I feel, have been better had it not been for the press publicity given to the suggested link between poliomyelitis and diphtheria immunisation. This publicity undoubtedly acted as a set-back.

Again, the virtual disappearance of diphtheria as a result of the relatively high number of children protected has masked the need for protection and created an apathetic attitude amongst parents. For these reasons I feel that we are reaching, if we have not already reached, the high water mark and that continuing effort is essential if we are to hold our gains.

TABLE 21.

DIPHTHERIA IMMUNISATION.

| Age. | Number completed in 1950. | Number completed prior to 1950. | Number immunised to end of 1950. | |
|------------------------|---------------------------|---------------------------------|----------------------------------|------------|
| Under 1 | 693 | — | 693 | |
| 1 | 323 | 749 | 1072 | |
| 2 | 73 | 835 | 908 | Population |
| 3 | 71 | 761 | 832 | 0—4 |
| 4 | 64 | 1161 | 1225 | 8436 |
| | — | — | — | (56·7%) |
| | 1224 | 3506 | 4730 | |
| | — | — | — | |
| | | Children 5 to 15. | | |
| 5 | 155 | 1111 | 1266 | |
| 6 | 55 | 1213 | 1268 | |
| 7 | 49 | 1037 | 1086 | Population |
| 8 | 28 | 1208 | 1236 | 5—15 |
| 9 | 19 | 1156 | 1175 | 13,420 |
| 10 | 18 | 1211 | 1229 | (91·6%) |
| 11 | 14 | 1211 | 1225 | |
| 12 | 12 | 1303 | 1315 | |
| 13 | 8 | 1234 | 1242 | |
| 14 | 11 | 1233 | 1244 | |
| | — | — | — | |
| | 369 | 11917 | 12286 | |
| | — | — | — | |
| Total ... Ages 1-15 | 1593 | 15423 | 17016 | |

In addition to the children included in this table, 601 children who had been previously immunised received re-inforcing injections.

TABLE 22.
WHOOPIING COUGH IMMUNISATION.

| Age | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|------------|------|------|------|-------|-----|------|------|------|-------|------|------|------|-------|
| Under 1... | 46 | 31 | 52 | 39 | 40 | 28 | 31 | 37 | 10 | 39 | 6 | 15 | 374 |
| 1... | 21 | 15 | 24 | 5 | 1 | 8 | 20 | 10 | 4 | 16 | 9 | 4 | 181 |
| 2... | 1 | 3 | 5 | 4 | 2 | 1 | 1 | - | - | 1 | 4 | 1 | |
| 3... | - | - | 2 | 5 | 2 | - | 2 | - | - | - | - | - | |
| 4... | - | - | 4 | 2 | 1 | - | - | 1 | - | 1 | - | 1 | |
| Over 4... | 2 | 1 | 4 | - | - | - | - | 1 | 1 | - | - | - | 10 |
| | 70 | 50 | 91 | 55 | 46 | 37 | 54 | 49 | 15 | 58 | 19 | 21 | 565 |

(b) **Vaccination.**

The arrangements for vaccination have been previously described.

Particulars of vaccinations performed during 1950 together with those for 1948 and 1949 are set out below.

TABLE 23.

| AGE GROUP | 1948 | 1949 | 1950 |
|-----------------------------|------------|------------|------------|
| Under 1 year | 173 | 291 | 404 |
| 1 „ | 6 | 3 | 16 |
| 2 „ | 3 | 2 | 19 |
| 3 „ | 2 | 2 | 12 |
| 4 „ | — | 3 | 18 |
| 5 to 14 „ | — | 12 | 4 |
| 15 and over | 271 | 115 | 453 |
| Prior to July 5th, 1948 ... | 255 | — | - |
| TOTAL | 710 | 428 | 926 |

Of the above vaccinations 397 were done by private practitioners and 424 at Local Authority Clinics.

SECTION 27. AMBULANCE SERVICE.

The cost of the ambulance service in Blackburn, as elsewhere, is heavy despite close supervision.

When the service became free certain obvious abuses were apparent. These were effectively dealt with. Since then almost daily economies, small in themselves but cumulatively important, have been effected.

Certain unavoidable factors run up our costs. The most important are :

- (1) Transport of cases for out-patient treatment available in Manchester but not provided locally.
- (2) Many of the vehicles are old and costly to maintain. These ambulances are being gradually replaced.
- (3) Waiting-time on reception of non-emergency inpatients into hospital and on the discharge of inpatients from hospital.

(1) and (3) above represent approximately 120 hours "dead" ambulance time per month, the rough equivalent of an ambulance and its personnel being immobilised 34 weeks each year.

At the end of the year ten vehicles were available. They made 21,119 journeys, carried 21,128 patients, and covered 134,139 miles in so doing.

Of journeys made, 2,344 were in respect of accident or emergency cases.

TABLE 24.

| | No. of vehicles at end of year. | Total No. of calls. | Total No. of patients carried. | No. of Emergency Calls. | Mileage |
|------------------------------------|---------------------------------|---------------------|--------------------------------|-------------------------|---------|
| Directly Provided Service : | | | | | |
| Ambulances | 9 | 20777 | 20786 | 2336 | 120739 |
| Cars | 1 | 116 | 116 | 8 | 3805 |
| Supplementary Services : * | | | | | |
| Ambulances | — | — | — | — | — |
| Cars | — | 226 | 226 | — | 9595 |
| | | 21119 | 21128 | 2344 | 134139 |

NOTE : * The Supplementary Services are in respect of vehicles supplied through the Motor Vehicles Service Station.

VEHICLE RUNNING.

| Vehicle Number | Calls | Mileage |
|----------------|-------|---------|
| 1 | 529 | 2450 |
| 2 | 1413 | 12153 |
| 3 | 468 | 5035 |
| 4 | 666 | 9532 |
| 5 | 3711 | 17810 |
| 6 | 3316 | 18195 |
| 7 | 2622 | 14246 |
| 8 | 4126 | 20983 |
| 10 | 3926 | 20335 |
| EUU.982 | 116 | 3805 |
| MVSS Cars | 226 | 9595 |
| | 21119 | 134139 |

SECTION 28. PREVENTION OF ILLNESS. CARE AND AFTER CARE.**(1) Loan of Equipment.**

Articles of equipment are loaned from the depot adjoining the District Nurses' Home in St. Peter St.

On the whole the users treated the loaned articles with care and cases of improper usage were rare in the extreme.

(2) Convalescent Treatment.

During the year 115 persons received a total of 228 weeks convalescent treatment through the Council's Scheme at a gross cost of £647 15s. 2d. of which sum £110 0s. 2d. was recovered.

A record of applications "not accepted" was not kept till June. From this date until December 31st the Department refused 122 applications; "refusal" figures for the calendar year would probably be in the region of 300.

Admissions were made to the following homes :

| | |
|--|-----|
| Blackburn & District Convalescent Home, St. Annes-on-Sea | 109 |
| Ormerod Home for Children, St. Annes-on-Sea | 2 |
| Swanscoe House, Macclesfield | 1 |
| Children's Home, West Kirby... .. | 1 |
| Mothers Rest Home, Pensarn, Abergele (mother and baby) ... | 2 |

This facility, unless closely watched, may well be abused. For this reason it should be made available only to those who need a recuperative rest to expedite return to useful employment, or to mothers worn out as a result of their family ties. It is not intended as a means of giving an extra subsidised holiday to those who feel "debilitated" or "run down" after some such minor, though uncomfortable affliction as a cold or a touch of rheumatism.

All applications are closely scrutinised to prevent misuse of a service which some applicants regard as a means of obtaining a subsidised holiday. This attitude is firmly discouraged and the scheme applies only to the following groups :

- (1) Those engaged in productive occupation whose return to work will be expedited by a recuperative rest.
- (2) Mothers debilitated as a result of child bearing, domestic ties, or illness and who require convalescent rest to fit them for their household tasks.
- (3) Carefully selected pre-school and school children.

Cases not coming within the above categories, *e.g.* old age pensioners, persons not gainfully employed (and who are unlikely to be so) are referred to the Personal Service League who deal with each case on their individual merits.

(3) Provision of Meals in the Home.

This scheme was implemented in January, since when 157 persons have received a total of 8,280 meals.

Of all the services provided by the Health Committee under Section 28 this is, probably, the most appreciated. The gratitude of the recipients, many of them house-fast and to whom a hot well-cooked meal was an "occasion" hitherto, is certainly proof of the need of this facility.

(4) Tuberculosis.

I mentioned in the Report for last year our intention to provide domiciliary diversional therapy for certain tuberculosis patients unfit for work following their discharge from hospital.

The domiciliary idea proved impracticable and, thanks to the co-operation of the Secretary of the Local Hospital Management Committee, arrangements were then made for the requisite instruction to be given at Park Lee as part of the Authority's care and after-care arrangements.

The instructress gave a total of 32 hours tuition in leatherwork, mat-making and other light handicrafts, to 6 patients.

The relationship between the staff of the Chest Clinic and of the Health Department has again been close and cordial. The Consultant Chest Physician, a man experienced both in the clinical and public health fields, has been most co-operative from the preventive angle. He keeps me fully posted as to the activities of his department and we meet frequently to discuss points of mutual concern. Consequently the curative and preventive aspects are smoothly geared and work without any "creaking."

I am indebted to Dr. Barker Charnock for the appended notes on vaccination against tuberculosis.

The incidence of Tuberculosis in the population depends upon social and individual resistance to the disease. In England the incidence of tuberculosis is lower than in many other countries. Through the work of the Tuberculosis Service the incidence has been greatly reduced nationally and in particular in our own County of Lancashire over the last 30 years, but there is still much to be done to control tuberculosis which remains a dangerous infectious killing social disorder.

It is said that an infallible way of preventing tuberculosis is to segregate all carriers of the tubercle bacilli. Such elimination of the seed beds of contagion is the direct and logical way of controlling the disease, and surely it has succeeded well in Britain. Yet, to continue to be logical, one must admit that it is a method which will pay diminishing returns the better it succeeds. There are reasons to suspect that the further segregation is carried, the important problem is to find means to compensate for the non-infected person's lack of acquired resistance against tubercle bacilli which we know result from a primary infection.

When the population is tuberculin tested it is found that there are certain individuals who although they have reached adult life are found not to react to the tuberculin test and have, therefore, escaped the early life spontaneous and non-progressive infection. This fact is becoming well established amongst professional groups such as student nurses, medical students, physicians and hospital workers. These groups have a higher incidence of tuberculosis due to their greater chance of exposure to infection. It would seem, therefore, that artificial immunisation of the tuberculin-negative population should go hand in hand with the systematic segregation, treatment and supervision of known sources of infection in order to build up an artificial herd-immunity to replace that which they have by chance escaped.

The tuberculin-negative reactors have been found to have a lessened resistance to infection and a higher mortality rate. Norway, one of the world's pioneers in socialised medicine, decided to follow the course of active vaccination and made this compulsory for the whole tuberculin-negative population under 50 years of age.

Recently after many years of careful consideration the Government of this country has now decided to allow the use of the B.C.G. vaccine. In the first instance in certain well defined groups of people commencing with nurses and later to the contacts of infectious cases of pulmonary tuberculosis.

What then is the nature of this vaccine and what do the letters B.C.G. mean ?

This vaccine, like the vaccine of smallpox, is a weak living strain of bovine tuberculosis bacilli which when injected in minute amounts *into* the skin tissue gradually creates an active response in the body in tuberculin-negative persons and causes them to become tuberculin-positive like the greater majority of their fellows.

The vaccine is called B.C.G. which means Bacillus-Calmette-Guerin from the names of two French doctors who first used the vaccine which they isolated from a cow in 1902. After many years growth and sub-culture this strain of organisms has been used on the Continent and in America for purposes of immunisation and has not altered in its virulence since 1930.

B.C.G. vaccine is safe to use and millions have already been safely vaccinated.

Recent surveys in this country have shown that we may expect to find about 20% of our student hospital nurses to be tuberculin-negative.

Doctors working in Sweden were able through this vaccination to reduce the incidence in their hospital nurses from 29.6% to 2.3%. In another hospital, nurses' infection rate was reduced from 12% to 4.26% and also reduced the infection amongst hospital employees to one-fifth.

In a Stockholm hospital 205 nurses were immunised with one mild case developing whereas in a preceding period 40.0% of the tuberculin-negative nurses has shown some form of tuberculosis.

In the lay population the susceptible members will be found by performing tuberculin test surveys. When these are discovered they will be given the opportunity of volunteering for B.C.G. If they agree to be vaccinated a period of six weeks segregation is deemed necessary after the first test followed by a second test with a stronger dilution of tuberculin. If this second test is still negative then vaccination is carried out forthwith. After a further waiting period of six weeks, a final test is done when, if the vaccination has been successful the tuberculin test will be positive. This means that immunity has been established.

From the foregoing it is seen that the procedure is prolonged and entails much co-operation on the part of the doctor and patient. Careful organisation is necessary and much documentary work is required to keep the records which have been drawn up by the Ministry. Records of those persons who are tuberculin-negative yet refuse final vaccination have also to be kept. Where contacts of tuberculosis infectious cases are concerned it is found convenient to investigate and vaccinate them whilst the source of infection is away in hospital. Other contacts of non-infectious cases can be investigated without segregation and again special arrangements can be made for the contact to be isolated in special hostels or hospitals or under the roof of a foster parent or relative.

In Blackburn an organisation has been set up at the Chest Clinic for investigation and vaccination with B.C.G. and gradually as time allows contacts are being reviewed. The response so far has been good. The work will gradually expand. It is meticulous and has to be done with scrupulous asepsis and care.

In the preliminary group of 95 contacts, 76 were positive and 19 were negative and of these 19 were vaccinated and only two children of one family did not attend. No untoward results have been encountered. Careful clinical, radiological and bacteriological examinations go hand in hand with the Tuberculin Mantoux skin tests in order to be as sure as possible that the subject has never had any previous tuberculous infection. This is very important and takes up much time in the investigations.

This work is being done by the Chest Physician under instructions from the Ministry of Health, and is undertaken on behalf of the Local Authority, which is responsible under Section 28 of the National Health Service Act for carrying out the Prevention and After Care of Tuberculosis.

TUBERCULOSIS.

TABLE 25.

RETURN FOR YEAR ENDING 31ST DECEMBER, 1950.
CLINIC WORK PERFORMED AT THE DISPENSARY.

| | Respiratory | | | Non-Respiratory | | | Totals | | | Grand Totals |
|---|---|-----|-----|-----------------|----|-----|--------|-----|-----|--------------|
| | M | W | Ch. | M | W | Ch. | M | W | Ch. | |
| | A. (1) Number of notified cases of Tb. on clinic registers on 1st JANUARY, 1950 ... | 219 | 144 | 16 | 26 | 28 | 44 | 245 | 172 | |
| (2) Transfers from clinics under other H.M.C.'s or B.G.'s during the year ... | 6 | 1 | - | - | - | 1 | 6 | 1 | 1 | 8 |
| (3) Cases lost sight of which returned to clinic during the year ... | - | - | - | - | 1 | - | - | 1 | - | 1 |
| B. Number of NEW CASES diagnosed as tuberculous during the year—Tb. MINUS ... | 9 | 7 | 1 | 2 | 3 | 3 | 11 | 10 | 4 | 25 |
| Tb. PLUS ... | 24 | 12 | - | - | - | - | 24 | 12 | - | 36 |
| C. Number of cases in A and B written off clinic registers during the year :— | 5 | 8 | 1 | 1 | 2 | 2 | 6 | 10 | 3 | 19 |
| (1) Recovered ... | 5 | 8 | 1 | 1 | 2 | 2 | 6 | 10 | 3 | 19 |
| (2) Died (all causes) ... | 15 | 8 | - | - | 1 | - | 15 | 9 | - | 24 |
| (3) Removed to other H.M.C. or B.G. clinics ... | 7 | 6 | - | - | - | 1 | 7 | 6 | 1 | 14 |
| (4) Other reasons ... | 1 | - | - | - | - | - | 1 | - | - | 1 |
| D. (1) Number of notified cases of Tb. on clinic registers on 31st DECEMBER, 1950 ... | 230 | 142 | 16 | 27 | 29 | 45 | 257 | 171 | 61 | 489 |
| (2) Number of above known to have had positive sputum within preceding six months ... | 15 | 8 | - | - | - | - | 15 | 8 | - | 23 |
| E. Number of CONTACTS first examined during the year— | 2 | - | 2 | - | 1 | - | 2 | 1 | 2 | 5 |
| (1) Diagnosed as tuberculous ... | 2 | - | 2 | - | 1 | - | 2 | 1 | 2 | 5 |
| (2) Not tuberculous ... | 26 | 50 | 39 | 1 | 2 | 2 | 27 | 52 | 41 | 120 |
| (3) Not determined (as at 31st December, 1950) ... | 1 | 1 | 5 | 1 | - | - | 2 | 1 | 5 | 8 |
| F. NUMBER OF PATIENTS ON CLINIC REGISTERS AWAITING ADMISSION TO TB. INSTITUTION ... | 8 | 4 | - | - | - | - | 8 | 4 | - | 12 |

(5) Co-ordination of Care and After Care Arrangements.

An After-Care Liaison Committee, as proposed in last year's Annual Report was set up in April. It consisted originally of six key members of the Health Department Staff, (the Chief Clerk, Superintendent Health Visitor, Superintendent of the domiciliary nursing and midwifery services, and domestic-help organiser, mental social worker, and the member of the staff responsible for convalescent treatment arrangements), four from the Hospital Group Staff (Almoner at the Royal Infirmary, one from each of the two maternity units, the Chest Clinic Nurse Health Visitor), and representatives of the Welfare Department and the Personal Service Society. At their first meeting the Committee appointed the Hospital Almoner and the Chief Clerk of the Health Department as Chairman and Convener/Secretary respectively as being the joint hub of after-care work.

The membership of the Committee was subsequently increased by the co-option of a representative of the No. 5 County Divisional Health Area, of the North East Lancashire Association for the Deaf, and of the Corporation Information Bureau.

Six meetings were held, two at the Town Hall, the remainder at either Queen's Park Hospital, Springfield, the Royal Infirmary or the District Nurses Home. At each meeting a member has opened a discussion on his or her job. Arising out of these discussions many useful recommendations have been made which have resulted in, inter alia :—

- (1) Visits by the Domestic Help Organiser to patients shortly to be discharged from hospital and likely to need a domestic help or "meals on wheels" on return home.
- (2) Social welfare (additional to that available under Sections 28 and 29 of the 1946 Act) of cancer cases on their return home.
- (3) Transference of particulars of after-care needed and given between Hospital and the Health Department respectively.
- (4) The secondment of the Superintendent Health Visitor for a short period to the Almoners Office at the Infirmary.

In last year's Report I set out the objectives of the Liaison Committee as under :

“ Their main task will be to settle day to day working difficulties, to ensure that local resources are used economically and that a close system of mutual aid shall prevail.

Each member of this Committee will learn what her opposite numbers are doing, or are empowered to do, a knowledge which will effect quick working, do away with unhealthy rivalry and promote good team work.”

These objectives have been more than attained. In consequence the after-care arrangements function smoothly and well.

(6) Health Education.

As part of their routine duties the Health Visitors carry out unobtrusive yet valuable, health propaganda in the course of their domiciliary visits and attendances at Maternity and Child Welfare Centres.

In the early part of the year a successful Health Exhibition in the Public Halls attracted almost 23,000 attendances. The display was essentially a “ health ” one, nothing commercial being shown and dealt primarily with the Public Health and National Health Service Acts. Additional to the exhibits organised by the Health Department, the Local Hospital Management Committee, the Local Executive Council and the Hospital Management Committees of Calderstones, Brockhall and Whittingham dealt effectively with their part of the National Health Service.

The Housing, Sewage, Welfare and Water Committees had stands covering their activities and displayed much of interest, including ingenious working models.

The Borough Analyst and Dr. Spink, Bacteriologist to the Local Hospital Group, effectively illustrated their side of food control and the prevention of food infections.

The help of the Ministry of Agriculture and Fisheries in providing film displays and the shell stands for the Exhibition, was invaluable. The shells, artistically decorated by students of the Municipal Art Department under the direction of their Head, Mr. Dolby, provided attractive and striking backgrounds for the technical material displayed.

A series of lectures was given in the Lecture Hall on such current topics as food poisoning, mental health, eugenics, etc., but the speaker who drew the biggest "gate" was Sir John Stopford, Chairman of the Manchester Regional Hospital Board, who opened a prolonged discussion on the working of the hospital service. As was to be expected, Sir John both gave a lucid explanation of the hospital set-up, and dealt realistically with the many questions which were flung at him.

The Exhibition was an undoubted success and my best thanks are due to all who assisted particularly so the members of the Health Department staff who worked enthusiastically to make the "show" a worth-while one.

The publicity arrangements were undertaken by Mr. Crook, the Information Officer, whose efforts, resulted in the Exhibition being so well attended.

(7) Welfare of the Aged Sick.

The demand for hospital beds for the aged sick is on the increase. This may be due to the following reasons :

- (a) the hospital service is now free ;
- (b) modern drugs have reduced the risks of certain acute infections which once took heavy toll of the aged, who consequently survive short-term killing diseases only to drag out and end their days as a result of some long-term ailment.

The heavier call upon beds is not compensated by an increased supply and although it is true to say that the nursing situation has improved locally, the increased staff intake has not led to a proportionate increase of chronic beds. In fact, improvement in the standards of accommodation hitherto provided for the aged sick has caused some bed reduction.

Recommendations for admission of the chronic sick are made by the practitioners concerned to Queen's Park Hospital. The Hospital Administrative Officer then submits particulars of the cases to the Health Department for assessment on social grounds. This assessment entails home visit and enquiry, a task allotted to a special Clinic Nurse who gets an overall picture of the comparative needs of the many recommended and thus is able to arrive at a fair assessment.

These investigations, 147 of which were made during the year, involve much time absorbing work on the part of the Visitor. Each visit may taken an hour or longer as, frequently, the patient cannot give a clear story. The visitor must then consult relatives or friends whose wish to secure removal of the patient may well bias the history which they give. Their statements have to be thoroughly sifted and checked.

Where admission is held up, the Health Department provides *e.g.* meals on wheels and domestic help, towards which, the recipient is required to contribute according to scale. As few of them can bear the full cost, the balance is rate-borne, the amount thus incurred ranking, of course, for Exchequer grant.

It is an anomaly that the Local Authority should shoulder an expenditure which arises because the hospitals, although through no fault of their own, cannot cope fully with this problem and also that certain aged sick, who should be in hospital, a provision to which they are entitled free of cost, should be asked to contribute to the services which the Health Authority then provide "in default."

(8) **Mental Health.**

The Mental Health Service Sub-Committee consists of five members all of whom are members of the Health Committee. One is a Medical practitioner co-opted on to the latter committee.

This sub-committee has no fixed times for meeting. It met on six occasions in 1950.

The staff of the Mental Health sub-department is composed of four duly Authorised Officers one of whom acts also as Mental Welfare Officer and another is part-time employed on general clerical duties. No Medical Officers are employed by the Council for the specific purpose of mental health work ; the day to day administration and running of the service being undertaken by the Deputy Medical Officer of Health.

The Mental Health Service continues to work in close liaison with the hospitals on whose behalf it takes case histories, reports on the home social circumstances, and supervision of cases discharged on licence when requested by the hospital. At present the Mental Deficiency Institutions make considerable use of this service but the Mental Hospitals prefer to do their own social work ; however in all cases information is freely passed. The Mental Welfare Officer has continued to attend the outpatient psychiatric clinic at the Royal Infirmary where she assists by supplying social histories and home circumstance reports, and where personal contact is made with those requiring assistance before they reach the advanced stages of mental illness requiring certification.

The shortage of in-patient facilities is still a great handicap and it remains to be seen how far the setting up a bed bureau for the area will mitigate the shortage.

Again I must express my appreciation of the willing help, both administrative and clinical, given by the senior medical staffs of the Mental Hospitals and Mental Deficiency Institutions. How much easier it is to iron out administrative difficulties with doctors who, experienced in administration and fully appreciative of the clinical needs of the patient are willing to cut across inelastic procedure for the good of the patient and the community.

Whilst speaking of difficulties it must be mentioned that the problem of the borderline senile dementeds remains as insoluble as ever. Only one hospital in a nearby town has been willing to admit a few cases of this type. If tragedies are not to occur further provision will be required for the senile case bordering on dementia.

Training of Mental Defectives is still undertaken in the Alma Street Occupation Centre the negotiations for larger and more suitable premises having broken down. However in spite of premises so ill adapted for this work the staff have done good work and made the best of the poor facilities provided.

The Staff is unchanged and consists of a Supervisor, an Assistant Supervisor and a trainee mental health worker.

The appointment of a home teacher to visit the homes of those unsuitable for admission to the occupation centre has had to be held over in absence of any suitable applicants for the post.

No arrangements for the training of mental health workers have been made.

The Mental Health Social worker who takes administrative charge of Alma Street centre, attended a refresher course for Supervisors of Occupation centres in 1950.

TABLE 26. REMOVALS BY AUTHORISED OFFICERS.

| HOSPITAL. | Section 20 3-day order | | Section 21 14-day order | | Section 16 Certified cases | | Voluntary patients | | Temporary patients | | Total | |
|-------------------------------|------------------------------|----|-------------------------------|----|----------------------------------|----|-----------------------|----|-----------------------|----|-------|-----|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| Queen's Park Blackburn ... | 65 | 38 | 16 | 11 | 13 | 7 | - | - | - | - | 94 | 56 |
| Wesham Park | 1 | - | 1 | 1 | - | - | - | - | - | - | 2 | 1 |
| Whittingham ... | - | 3 | 2 | - | 14 | 11 | 18 | 10 | 1 | 2 | 35 | 26 |
| Lancaster ... | - | - | - | - | 2 | 20 | 1 | 1 | 1 | 2 | 4 | 23 |
| Prestwich ... | - | 1 | - | - | - | 1 | - | 1 | - | - | - | 3 |
| Burnley General | - | - | - | 3 | - | 1 | - | 1 | - | - | - | 5 |
| TOTAL ... | 66 | 42 | 19 | 15 | 29 | 40 | 19 | 13 | 2 | 4 | 135 | 114 |

TABLE 27. SUMMARY—YEAR ENDING DECEMBER 31ST, 1950.

| | In Hospital 1/1/50 | | Ad- missions | | Dis- charges | | Others | | Totals | |
|---|--------------------------|-----|-----------------|-----|-----------------|----|--------|----|--------|-----|
| | F | M | F | M | F | M | F | M | F | M |
| In Mental Hospitals on 1/1/50 ... | 240 | 122 | | | | | | | | |
| In Queen's Park Hospital on 1/1/50 ... | 11 | 8 | | | | | | | | |
| Admitted to Mental Hospitals 1/1/50 to 31/12/50 | } Section 1 ... | | 13 | 19 | | | | | | |
| | } .. 5 ... | | 4 | 2 | | | | | | |
| | } .. 16 ... | | 40 | 29 | | | | | | |
| Discharges | } Admitted before 1/1/50 | | | | 17 | 9 | | | | |
| | } Admitted after 1/1/50 | | | | 23 | 20 | | | | |
| Died | } Admitted before 1/1/50 | | | | 15 | 7 | | | | |
| | } Admitted after 1/1/50 | | | | 1 | 14 | | | | |
| Under Observation at Q.P.H. 31/12/50 | | | | | | | 2 | 1 | | |
| Totals | } In Hospital 1/1/50 ... | | 251 | 130 | | | | | | |
| | } Admissions ... | | | | 57 | 50 | | | 2 | 1 |
| | } Discharges ... | | | | | | 56 | 50 | | |
| In Hospital, 31/12/50 ... | | | | | | | | | 254 | 131 |

TABLE 28.

Statistics. Lunacy and Mental Treatment Acts, 1890-1930.

| | <i>Female</i> | <i>Male</i> | <i>Total</i> |
|--|---------------|-------------|--------------|
| Patients known to be in-patients of Mental Hospitals on January 1st. | 240 | 122 | 362 |
| In-patients Queen's Park Hospital on January 1st. ... | 11 | 8 | 19 |
| Observation cases admitted under Section 20 and 21 ... | 57 | 85 | 142 |
| Observation cases— | | | |
| Discharged not certifiable | 15 | 50 | 65 |
| Deceased whilst under observation | 2 | 4 | 6 |
| Under Observation at Queen's Park Hospital on 31st December, 1950 | 2 | 1 | 3 |
| Cases admitted to Mental Hospitals— | | | |
| (a) Section 16 | 40 | 29 | 69 |
| (b) Voluntary | 13 | 19 | 32 |
| (c) Temporary | 4 | 2 | 6 |
| Voluntary cases admitted to Mental Hospitals by private arrangement | 6 | 4 | 10 |
| Discharged from Mental Hospitals | 40 | 29 | 69 |
| Deceased in Mental Hospitals | 21 | 16 | 37 |
| Cases investigated as Mental Illness but removed as sick persons | 6 | 4 | 10 |
| Visits up to December 31st, 1950 | | | |
| Social History of Patient in Mental Hospital ... | 5 | 20 | 25 |
| Visits to Patients in connection with "After Care"... | 71 | 133 | 204 |
| Visits to Reported Cases before removal to Mental Hospital | 98 | 134 | 232 |
| Visits to Cases other than of Mental Illness | 28 | 73 | 101 |

TABLE 29.

II. Particulars of Cases Reported during the year, 1950.

| (1) Ascertainment. | Males | Females | Total |
|---|-------|---------|-------|
| (a) Cases reported by Local Education Authorities (Section 57, Education Act, 1944) :— | | | |
| (i) Under Section 57 (3) | 5 | 6 | 11 |
| (ii) Under Section 57 (5) :— | | | |
| On leaving special schools | — | — | — |
| On leaving ordinary schools | 3 | — | 3 |
| (b) Other ascertained defectives reported during 1950 and found to be " subject to be dealt with " | 6 | 5 | 11 |
| TOTAL ascertained defectives found to be " subject to be dealt with " during the year ... | 14 | 11 | 25 |
| (c) Other reported cases ascertained during 1950 who are not at present " subject to be dealt with " | 3 | 8 | 11 |
| TOTAL number of cases reported during the year | 17 | 19 | 36 |
| (2) Disposal of cases reported during the year. | | | |
| (a) <i>Ascertained defectives found to be " subject to be dealt with "</i> | | | |
| (i) Admitted to Institutions | 1 | 1 | 2 |
| (ii) Placed under Guardianship | — | — | — |
| (iii) Taken to " places of safety " | — | 1 | 1 |
| (iv) Placed under Statutory Supervision | 10 | 8 | 18 |
| (v) Died or removed from area | 2 | — | 2 |
| (vi) Action not yet taken | 1 | 1 | 2 |
| TOTAL ascertained defectives found to be " subject to be dealt with " | 14 | 11 | 25 |
| (b) <i>Cases not at present subject to be dealt with</i> | | | |
| (i) Placed under Voluntary Supervision | — | — | — |
| (ii) Later found not to be defective | — | — | — |
| (iii) Died or removed from area | — | — | — |
| (iv) Action unnecessary | — | — | — |
| (v) Action not yet taken | 3 | 8 | 11 |
| TOTAL cases not at present " subject to be dealt with " | 3 | 8 | 11 |

TABLE 30.

MENTAL DEFICIENCY ACTS, 1913 to 1938.

I. Particulars of Mental Defectives as on 1st January, 1951.

| | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|--|--------------|----------------|--------------|
| (1) Number of Ascertained Mental Defectives Found to be " Subject to be dealt with " :— | | | |
| (a) In Institutions (including cases on licence therefrom) ... | | | |
| Under 16 years of age | 10 | 10 | 20 |
| Aged 16 years and over | 68 | 51 | 119 |
| (b) Under Guardianship (including cases on licence therefrom) ... | | | |
| Under 16 years of age | — | 1 | 1 |
| Aged 16 years and over | 1 | 2 | 3 |
| (c) In " places of safety " ... | — | — | — |
| (d) Under Statutory Supervision (excluding cases on licence) ... | | | |
| Under 16 years of age | 19 | 27 | 46 |
| Aged 16 years and over | 22 | 12 | 34 |
| (e) Action not yet taken under any one of the above headings ... | 1 | 1 | 2 |
| TOTAL ascertained cases found to be " subject to be dealt with " ... | 121 | 104 | 225 |
| | M. | F. | T. |
| No. of cases included in (b) to (e) above awaiting removal to an Institution ... | 2 | 3 | 5 |
| | — | — | — |
| (2) Number of Mental Defectives not at present " Subject to be dealt with," but over whom some form of voluntary supervision is maintained :— | | | |
| Under 16 years of age | 8 | 3 | 11 |
| Aged 16 years and over | 7 | 11 | 18 |
| TOTAL number of mental defectives (1) plus (2) ... | 136 | 118 | 254 |
| (3) Number of Mental Defectives Receiving Training : | | | |
| (a) In day-training centres ... | | | |
| Under 16 years of age | 9 | 10 | 19 |
| Aged 16 years and over | — | — | — |
| (b) At home ... | — | — | — |
| TOTAL ... | 9 | 10 | 19 |

III. Number of Mental Defectives in Institutions under Community Care including Voluntary Supervision or in "Places of Safety" on 1st January, 1950, who have ceased to be under any of these forms of care during 1950.

| | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|---|--------------|----------------|--------------|
| (a) Ceased to be under care | — | — | — |
| (b) Died, removed from area, or lost sight of ... | 2 | — | — |
| TOTAL ... | 2 | — | — |

IV. Of the Total Number of Mental Defectives known to the Local Health Authority.

| | | |
|--|---|---|
| (a) Number who have given birth to children during 1950 | — | — |
| (b) Number who have married during 1950 ... | — | — |

TABLE 31.

Visits paid by Mental Welfare Workers to Mental Defectives.

| | | | |
|---|-----|-----|-----|
| To Cases under Supervision | 143 | 159 | 302 |
| Cases under Guardianship and on licence from Institutions | 40 | 34 | 74 |
| To obtain histories of cases in Institutions, home reports and short licence | 68 | 79 | 147 |
| To report on home circumstances on behalf of other Authorities | 29 | 37 | 66 |

TABLE 32.

Visits paid by Mental Welfare Workers to Mental Defectives.

| | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|--|--------------|----------------|--------------|
| Cases under supervision Voluntary and Statutory ... | 143 | 159 | 302 |
| Cases under Guardianship | 11 | 14 | 25 |
| Cases on licence | 29 | 20 | 49 |
| Home reports etc. for cases under Institutional care and on Short Licence | 68 | 79 | 147 |
| Reports on behalf of other Authorities | 29 | 37 | 66 |
| TOTAL VISITS | 280 | 309 | 589 |

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| | | Puerperal Pyrexia | 51 |
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| | | | |
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Members of the Education Committee
1950

COUNTY BOROUGH OF BLACKBURN.

EDUCATION COMMITTEE

ANNUAL REPORT

UPON THE

School Health Service

For the Year 1950.

COUNTY BOROUGH OF BLACKBURN

EDUCATION COMMITTEE

ANNUAL REPORT

ON THE

School Health Service

For the Year 1950

Members of the Education Committee

1950-51.

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PUBLIC HEALTH DEPARTMENT,
VICTORIA STREET,
BLACKBURN.

July, 1951.

TO THE CHAIRMAN AND MEMBERS OF THE EDUCATION COMMITTEE.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my twenty-fourth Annual Report, the 45th of the series, on the work of the School Health Service during 1950.

The year under review is the second complete year since the National Health Service Act came into operation, and in spite of many fears to the contrary, the activities of the School Health Service show no decline. On the contrary, the scope of the Department has been extended, and in 1950 more children received periodic medical examination than at any time since 1934. The attendance of parents at the inspection of entrants and intermediates continues to be satisfactory, and shows the value of the service in the eyes of the public, but the small percentage of parents attending "Leaver Group" inspections is not so satisfactory. This is a matter for some concern as there are many points on which the doctor could advise the parents of these children before they leave school.

The situation as regards tonsils and adenoid operations has shown no improvement and, at the end of the year, 601 were awaiting operation. That this should be so was due to circumstances outside our control and, for that matter, that of the Hospital Authority. Shortage of Hospital beds and staff, and lack of surgical personnel, have all contributed to the mounting waiting list. As a result of reorganisation of the work of the Ear, Nose and Throat and Eye Departments in Hospitals of the Local Group, more beds and additional specialist services will shortly be available for both eye and throat work in the district. This should considerably reduce the numbers of children awaiting operations.

As yet, the Committee have been unable to secure a Speech Therapist. Advertising of the vacancy, and direct approach to qualified therapists have proved fruitless. Speech therapists are in very short supply, are quickly "snapped up" on qualification, and are in the position of being able to choose the employer, and not vice-versa. The solution of the local difficulty appears to be the granting of a bursary to a suitable candidate, during the requisite three years of training. In return for this facility, the candidate would undertake to serve the Authority for a period of years on completion of the course.

As forecast in my report for 1949, the Orthoptic Clinic re-opened early in the year, and a report on its activities is discussed in the appropriate section of the Report.

The merger of the Health Visiting and School Nursing Services took effect on April 1st and has already proved its worth. Details of their work will be found on page 30 of the report.

Once again the loyal and conscientious work of the entire School Health Service Staff is worthy of the highest praise, and I am indebted to medical and lay staff alike.

At the end of the year, Miss A. Stead, who had worked in the department as a School Nurse for 23 years, retired on superannuation. During the course of her service she was loyal and painstaking to a degree, and her primary interests were those of the School Health Service and "her children." My best thanks go to her for her co-operation and with them my best wishes for a long and happy retirement.

Finally, may I again express my thanks to the members of the Education Committee for the sympathetic consideration and encouragement they have invariably afforded me ?

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

V. T. THIERENS,

School Medical Officer.

School Clinics.

| NAME | PURPOSE | WHERE HELD | TIMES |
|--|---|---------------------|---|
| Inspection Clinic | Special Examination of Cases Referred by Teachers, School Attendance Officers and School Nurses. | 68, Victoria Street | Wednesdays, 2 p.m.; Saturdays, 9-30 a.m. |
| Ophthalmic Clinic | Prescription of Spectacles | 68, Victoria Street | Mondays, 2-15 p.m. Fridays, 2-15 p.m. |
| Dental Clinic | Dental Treatment | ,, | Every week-day by appointment. |
| Minor Ailments Clinic | Treatment of Minor Diseases of Skin, etc. | 68, Victoria Street | Every week-day at 8-45 a.m. |
| Cleansing Station | Treatment of Scabies and Cleansing of Verminous Cases | Blakey Moor | By appointment |
| Physiotherapy | Treatment of Deformities. | 66, Victoria Street | Every week-day (by appointment) |
| Diphtheria Im- munisation Clinic | Prevention of Diphtheria | 68, Victoria Street | Mondays, 3-45 p.m. |
| Ultra Violet Light Clinic | Artificial Light Treatment | 66, Victoria Street | Every week-day (by appointment) |
| Consultant Aural Clinic | Treatment of Deafness, etc. | 68, Victoria Street | As required. |
| Orthoptic Clinic | Correction of Strabismus | 68, Victoria Street | By appointment |
| Heart, Rheuma- tism and An- aemia Clinic | Diagnosis and supervision of Cases suffering from Rheuma- tism and Heart defects, and investigation of Anaemia | 68, Victoria Street | By appointment. |

Section 1

CO-ORDINATION.

The work of the Health and School Medical Departments has been further co-ordinated as a result of the merging of the School Nursing/Health Visiting Services. Both departments are now completely linked up from the medical, nursing and clerical angles.

SCHOOL HYGIENE

The School Medical Inspector, on the occasion of each visit to a school, inspects the hygienic conditions of the school and, where defects are discovered, they are notified to the Director of Education in order that they may be remedied.

STRUCTURAL WORK AND DECORATIONS CARRIED
OUT IN THE ELEMENTARY SCHOOLS.

I have to thank the Borough Engineer for the following details of the work carried out during the year—

The undermentioned Schools were decorated during 1950 :

Internally : Christ Church.
St. James' C.E.
Four Lanes End.
Regent Street.
Girls High School (Crosshill).
Moorgate Street Handicrafts.
Barton Street.

Exteriors : Moss Street.
Cedar Street.
Regent Street.

Whitewashing lavatories : All Schools.

Conversions from trough W.C.s to separate pedestals and flushing cisterns : Four Lanes End.

New Floors : St. Andrew's, St. Thomas's, St. Paul's.

New Central Heating Boilers (renewals) : Accrington Rd.
St. Matthew's.

Replacement of 11 W.C. pedestals : Audley Council.

COST OF SCHOOL HEALTH SERVICE

for the year 1949-50.

I am indebted to the Borough Treasurer, Mr. N. W. E. Hamm, for the following particulars :—

EXPENDITURE.

| | £ | s. | d. |
|---|--------|----|----|
| Salaries | 8404 | 7 | 4 |
| Fees | 1260 | 17 | 6 |
| Travelling Expenses | 21 | 12 | 10 |
| Printing, Stationery, etc..... | 183 | 14 | 3 |
| Drugs, Medical Requisites and Apparatus | 1284 | 12 | 5 |
| Rents..... | 146 | 0 | 0 |
| National Insurances—Employers' Contributions..... | 166 | 7 | 6 |
| Fuel, Light and Cleaning..... | 123 | 2 | 0 |
| Upkeep of Buildings..... | 963 | 0 | 2 |
| Malt and Oil, Tonics, etc..... | 108 | 18 | 5 |
| Miscellaneous | 7 | 8 | 8 |
| Total Expenditure..... | £12670 | 1 | 1 |

INCOME.

| | £ | s. | d. |
|--|------|----|----|
| Recovered from— | | | |
| Blackburn Executive Council, N.H.S. | 581 | 17 | 6 |
| Regional Hospital Board | 113 | 8 | 0 |
| Services of Health Department..... | 103 | 19 | 0 |
| Rent from Sub-letting Clinic..... | 2 | 14 | 3 |
| Miscellaneous | 20 | 15 | 6 |
| Total Income | £822 | 14 | 3 |

EXPENDITURE LESS INCOME.....£11,847 6 10

The rateable value of the Borough on 31st March, 1950, was £755,963. The gross cost of medical inspection and treatment of school children for the year ended 31st March, 1950, was £11,847 compared with £11,101 in the previous year. The Government grant was 60% of the nett expenditure, leaving the nett cost of £4,739 to be borne by the rates.

The cost of the School Medical Service for 1949/50 per child on the school rolls was 16/10 gross and 6/9 nett, and the cost expressed as a penny rate was 3·77d. gross and 1·51d. nett.

SCHOOL POPULATION

There are 41 Primary and 14 Secondary Schools maintained by the Education Committee in addition to 3 Direct Grant or Independent Schools in the town. There are also 2 Special Schools.

Particulars of attendances at the maintained schools are as follows :—

| | No. on Rolls |
|------------------------|-----------------|
| Primary Schools..... | 9777 |
| Secondary Schools..... | 4684 |
| Special Schools..... | 183 |
| | ----- |
| Total | 14644 |
| | ----- |

Section 2.

MEDICAL INSPECTION.

The arrangements for Medical Inspections are as outlined in previous reports.

FINDINGS OF SCHOOL MEDICAL INSPECTIONS.

The following Tables give full details of the findings at all routine medical inspections carried out during 1950 and comparisons are made with previous years.

NUMBER OF ROUTINE INSPECTIONS, 1943 to 1950*Table 1*

| Code Group | 1950 | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 | 1943 |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Entrants | 1748 | 1652 | 1458 | 1727 | 1599 | 894 | 1500 | 1104 |
| Intermediates ... | 1246 | 1250 | 1097 | 1023 | 1065 | — | — | — |
| Leavers..... | 1019 | 841 | 399 | 702 | 507 | 915 | 912 | 940 |
| Total..... | 4013 | 3743 | 2954 | 3452 | 3171 | 1809 | 2412 | 2044 |

ATTENDANCES OF PARENTS AT ROUTINE MEDICAL INSPECTIONS*Table 2*

| | No. Ex'd. | Parents Present | Percent Parents Attendances. | Boys | Girls |
|---------------------|-------------|-----------------|------------------------------|------------|------------|
| Entrants | 1748 | 1528 | 87.4 | 806 | 722 |
| Intermediates | 1246 | 351 | 20.1 | 122 | 229 |
| Leavers | 1019 | 43 | 2.5 | 21 | 22 |
| Total | 4013 | 1922 | 47.8 | 949 | 973 |

Table 3

UNCLEANLINESS

| Groups | Condition of head | | | | | Condition of Body | | | | 1949 %age clean | |
|-----------------------------|-------------------|----------|------------|---------------|---------------|-------------------|----------|-----------------|---------------|--------------------|-------------|
| | Clean | Dirty | Nits | Pedi- culi | %age clean | Clean | Dirty | Flea- bitten | %age clean | Head | Body |
| Entrants :— | | | | | | | | | | | |
| Boys | 899 | 1 | 15 | 1 | 98.3 | 910 | 1 | 5 | 99.3 | 99.1 | 99.9 |
| Girls | 815 | — | 17 | — | 98.0 | 831 | 1 | — | 99.9 | 97.5 | 99.9 |
| Intermediates :— | | | | | | | | | | | |
| Boys | 549 | — | 9 | — | 98.4 | 558 | — | — | 100 | 97.3 | 100 |
| Girls | 624 | — | 64 | — | 90.7 | 688 | — | — | 100 | 86.0 | 100 |
| Leavers :— | | | | | | | | | | | |
| Boys | 505 | — | 1 | — | 99.8 | 505 | 1 | — | 99.8 | 99.9 | 100 |
| Girls | 466 | — | 47 | — | 90.8 | 511 | 2 | — | 99.6 | 92.7 | 100 |
| Totals :— | | | | | | | | | | | |
| Boys | 1955 | 1 | 25 | 1 | 98.8 | 1973 | 2 | 5 | 99.7 | 98.7 | 99.9 |
| Girls | 1905 | — | 128 | — | 93.7 | 2030 | 3 | — | 99.8 | 92.4 | 99.9 |
| Combined Total | 3858 | 1 | 153 | 1 | 96.1 | 4003 | 5 | 5 | 99.7 | 95.4 | 99.9 |

Table 4

| | Percentage of Clean Heads | | Percentage of Clean Bodies | |
|---------------------|---------------------------|-------|----------------------------|-------|
| | Boys | Girls | Boys | Girls |
| 1910-1914 inc. | | | 54— | |
| 1920-1923 inc. | 93.2 | | 98.1 | |
| 1924 | 98.4 | 74.1 | 95.9 | 92.2 |
| 1925 | 96.9 | 78.3 | 96.0 | 91.5 |
| 1926 | 93.5 | 64.4 | 93.6 | 95.5 |
| 1927 | 96.2 | 80.0 | 94.3 | 94.0 |
| 1928 | 97.6 | 77.1 | 96.7 | 96.8 |
| 1929 | 97.7 | 76.0 | 96.6 | 96.5 |
| 1930 | 98.6 | 78.4 | 97.7 | 97.6 |
| 1931 | 97.0 | 74.1 | 97.5 | 97.6 |
| 1932 | 98.0 | 79.3 | 96.0 | 96.7 |
| 1933 | 93.6 | 71.9 | 96.2 | 97.4 |
| 1934 | 96.7 | 74.0 | 98.3 | 98.6 |
| 1935 | 95.2 | 72.3 | 98.3 | 98.3 |
| 1936 | 97.0 | 79.8 | 99.4 | 99.2 |
| 1937 | 97.3 | 74.1 | 98.4 | 98.9 |
| 1938 | 98.6 | 78.5 | 99.0 | 98.7 |
| 1939 | 93.7 | 83.5 | 99.1 | 99.4 |
| 1940 | 99.2 | 84.3 | 99.3 | 99.1 |
| 1941 | 99.2 | 80.0 | 99.6 | 99.9 |
| 1942 | 99.0 | 81.7 | 99.5 | 98.9 |
| 1943 | 99.6 | 84.5 | 99.8 | 99.0 |
| 1944 | 99.2 | 83.1 | 99.6 | 99.2 |
| 1945 | 99.2 | 86.1 | 99.1 | 99.4 |
| 1946 | 98.5 | 86.3 | 98.0 | 99.3 |
| 1947 | 97.8 | 85.8 | 98.9 | 99.2 |
| 1948 | 98.2 | 85.8 | 99.7 | 99.6 |
| 1949 | 98.7 | 92.4 | 99.9 | 99.9 |
| 1950 | 98.8 | 93.7 | 99.7 | 99.8 |

NUTRITION

Table 5 gives particulars of the nutritional findings at routine medical inspections of the Code Age Groups during 1950.

Table 5

| | Good | | | | Fair | | | | Poor | | | | Total | |
|---------------|------|------|------|------|------|------|-----|------|------|-----|-----|-----|-------|------|
| | A | | | | B | | | | C | | | | B | G |
| | B | | G | | B | | G | | B | | G | | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | No. |
| Entrants ... | 850 | 92.8 | 746 | 89.7 | 65 | 7.1 | 86 | 10.3 | 1 | 0.1 | - | - | 916 | 832 |
| Intermediates | 501 | 89.8 | 618 | 89.8 | 55 | 9.9 | 68 | 10.0 | 2 | 0.3 | 2 | 0.2 | 558 | 688 |
| Leavers | 420 | 83.0 | 402 | 78.4 | 81 | 16.0 | 110 | 21.4 | 5 | 1.0 | 1 | 0.2 | 506 | 513 |
| Total ... | 1771 | 89.4 | 1766 | 86.8 | 201 | 10.2 | 264 | 13.0 | 8 | 0.4 | 3 | 0.2 | 1980 | 2033 |

Table 6.

Summary of Defects found at Routine Medical Inspection.

| CONDITION | ENTRANTS | | | | INTERMEDIATES | | | | LEAVERS | | | | ALL GROUPS | | | |
|-------------------------|----------|------|---------|------|---------------|------|---------|------|---------|------|---------|------|------------|------|---------|------|
| | M | | F | | M | | F | | M | | F | | M | | F | |
| | Defects | | Defects | | Defects | | Defects | | Defects | | Defects | | Defects | | Defects | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Clothing | — | — | — | — | — | — | 1 | .14 | — | — | — | — | — | — | 1 | 0.05 |
| Footgear | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| General Condition | 66 | 7.2 | 86 | 10.3 | 57 | 10.2 | 70 | 10.1 | 86 | 17.0 | 111 | 21.1 | 209 | 10.5 | 267 | 13.0 |
| CLEANLINESS : | | | | | | | | | | | | | | | | |
| Head : Dirty | 1 | 0.11 | — | — | — | — | — | — | — | — | — | — | — | 0.05 | — | — |
| Nits | 15 | 1.6 | 17 | 2.0 | 9 | 1.6 | 64 | 9.3 | 1 | 0.2 | 47 | 9.0 | 25 | 1.2 | 128 | 6.1 |
| Pediculi | 1 | 0.11 | — | — | — | — | — | — | — | — | — | — | 1 | 0.05 | — | — |
| Body : Dirty | 1 | 0.11 | 1 | 0.12 | — | — | — | — | 1 | 0.2 | 2 | 0.38 | 2 | 0.1 | 3 | 0.14 |
| Flea-Bitten | 5 | 0.54 | — | — | — | — | — | — | — | — | — | — | 5 | .25 | — | — |
| Ringworm | 1 | 0.11 | 1 | 0.12 | — | — | — | — | — | — | — | — | 1 | 0.05 | 1 | 0.05 |
| Scabies | 1 | 0.11 | 2 | 0.24 | — | — | 1 | 0.14 | — | — | — | — | 1 | 0.05 | 3 | 0.14 |
| Impetigo | — | — | — | — | — | — | — | — | 1 | 0.2 | — | — | 1 | 0.05 | — | — |
| Other Skin | 18 | 1.9 | 22 | 2.6 | 1 | 0.18 | 5 | 0.72 | 1 | 0.2 | 1 | 0.19 | 20 | 1.0 | 28 | 1.4 |
| NOSE AND THROAT : | | | | | | | | | | | | | | | | |
| Enlarged Tonsils..... | 88 | 8.5 | 81 | 9.7 | 56 | 9.8 | 88 | 12.8 | 53 | 10.5 | 51 | 10.0 | 197 | 9.8 | 220 | 10.8 |
| Adenoids | 8 | 0.87 | 3 | 0.36 | 2 | 0.35 | 4 | 0.58 | — | — | 1 | 0.19 | 10 | 0.5 | 8 | 0.39 |
| Enlarged T. and A. | 55 | 6.0 | 47 | 5.6 | — | — | 1 | 0.14 | — | — | — | — | 55 | 2.7 | 48 | 2.3 |
| Other | 10 | 1.1 | — | — | 5 | 0.9 | 2 | 0.29 | 2 | 0.4 | — | — | 17 | 0.85 | 2 | 0.09 |
| En.Glands(non T.B.) .. | 51 | 5.5 | 47 | 5.6 | 97 | 17.2 | 76 | 11.0 | 80 | 16.8 | 59 | 11.5 | 228 | 11.4 | 182 | 8.8 |
| EYE DISEASE : | | | | | | | | | | | | | | | | |
| Squint | 35 | 3.8 | 30 | 3.6 | 4 | 0.71 | 3 | 0.43 | 2 | 0.4 | 3 | 0.58 | 41 | 2.0 | 36 | 1.7 |
| Blepharitis | 6 | 0.65 | 2 | 0.24 | 4 | 0.71 | 2 | 0.29 | 5 | .98 | 3 | 0.58 | 15 | 0.7 | 7 | 0.34 |
| Conjunctivitis | 1 | 0.11 | 1 | 0.12 | 1 | 0.18 | — | — | — | — | 1 | 0.19 | 2 | 0.1 | 2 | 0.09 |
| Corneal Opacities ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Ext. Eyes ... | 2 | 0.21 | — | — | — | — | 4 | 0.58 | 1 | 0.2 | 1 | 0.19 | 3 | 0.15 | 5 | 0.24 |
| Defective Vision ... | 4 | 0.43 | 5 | 0.60 | 63 | 11.3 | 68 | 10.0 | 36 | 7.1 | 48 | 9.3 | 103 | 5.1 | 121 | 5.8 |
| EAR AND HEARING : | | | | | | | | | | | | | | | | |
| Otitis Media | 14 | 1.5 | 7 | 0.84 | 2 | 0.35 | 5 | 0.72 | 3 | 0.6 | 4 | 0.77 | 19 | 0.95 | 16 | 0.77 |
| Hearing | 2 | 0.21 | 6 | 0.72 | 2 | 0.35 | 4 | 0.58 | 12 | 2.3 | 11 | 2.1 | 16 | 0.8 | 21 | 0.52 |
| Other | 2 | 0.21 | 1 | 0.12 | — | — | 1 | 0.14 | — | — | — | — | 2 | 0.1 | 2 | 0.09 |
| SPEECH : | | | | | | | | | | | | | | | | |
| Stammer | 6 | 0.65 | 2 | 0.24 | 1 | 0.18 | 3 | 0.43 | 4 | 0.8 | — | — | 11 | 0.55 | 5 | 0.24 |
| Lisp | 1 | 0.11 | 1 | 0.12 | — | — | — | — | — | — | — | — | 1 | 0.05 | 1 | 0.05 |
| Other | 5 | 0.54 | 6 | 0.72 | — | — | — | — | — | — | — | — | 5 | 0.25 | 6 | 0.29 |
| PSYCHOLOGICAL : | | | | | | | | | | | | | | | | |
| Development | 3 | 0.32 | 4 | 0.48 | — | — | — | — | — | — | — | — | 3 | 0.15 | 4 | 0.19 |
| Stability | 5 | 0.54 | 3 | 0.36 | — | — | 1 | 0.14 | — | — | — | — | 5 | 0.25 | 4 | 0.19 |
| TUBERCULOSIS : | | | | | | | | | | | | | | | | |
| Pulmonary | — | — | — | — | 1 | 0.18 | 1 | 0.14 | — | — | — | — | 1 | 0.05 | 1 | 0.05 |
| Non-Pulmonary | — | — | 1 | 0.12 | — | — | — | — | — | — | — | — | — | — | 1 | 0.05 |

Summary of Defects found at Routine Medical Inspection—*Cont.*

| CONDITION | ENTRANTS | | | | INTERMEDIATES | | | | LEAVERS | | | | ALL GROUPS | | | | |
|-------------------------|----------|------|---------|------|---------------|------|---------|------|---------|-----|---------|------|------------|------|---------|------|------|
| | M | | F | | M | | F | | M | | F | | M | | F | | |
| | Defect | | Defects | | Defects | | Defects | | Defects | | Defects | | Defects | | Defects | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | |
| RICKETS : | | | | | | | | | | | | | | | | | |
| Slight | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Marked | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| ORTHOPAEDICS : | | | | | | | | | | | | | | | | | |
| Spinal Curvature ... | — | — | — | — | — | — | 2 | 0.29 | — | — | — | — | — | — | — | 2 | 0.09 |
| Posture..... | 24 | 2.6 | 4 | 0.48 | 19 | 3.4 | 18 | 3.6 | 13 | 2.5 | 10 | 1.9 | 56 | 2.8 | 32 | 1.5 | |
| Flat Foot | 9 | 0.98 | 6 | 0.72 | 2 | 0.35 | 7 | 1.0 | — | — | 4 | 0.77 | 11 | 0.55 | 17 | 0.82 | |
| Other | 23 | 2.5 | 26 | 3.12 | 7 | 1.2 | 13 | 1.9 | 4 | 0.8 | 8 | 1.6 | 34 | 1.7 | 47 | 2.2 | |
| DEVELOPMENTAL : | | | | | | | | | | | | | | | | | |
| Hernia | 11 | 1.2 | 4 | 0.48 | — | — | 1 | 1.4 | — | — | — | — | 11 | 0.55 | 5 | 0.24 | |
| Undesc. Test. | 9 | 0.98 | — | — | 1 | 0.18 | — | — | 1 | 0.2 | — | — | 11 | 0.55 | — | — | |
| Other | 3 | 0.32 | 1 | 0.12 | 1 | 0.18 | — | — | — | — | — | — | 4 | 0.2 | 1 | 0.05 | |
| HEART : | | | | | | | | | | | | | | | | | |
| Organic | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Functional | 26 | 2.8 | 16 | 1.9 | — | — | 8 | 1.2 | 7 | 1.4 | 17 | 3.3 | 33 | 1.65 | 41 | 1.95 | |
| Anaemia | 7 | 0.76 | 8 | 0.96 | — | — | 9 | 1.3 | 7 | 1.4 | 9 | 1.7 | 14 | 0.7 | 26 | 1.2 | |
| LUNGS : | | | | | | | | | | | | | | | | | |
| Bronchitis | 61 | 6.6 | 57 | 6.85 | 13 | 2.33 | 15 | 2.2 | 16 | 3.2 | 12 | 2.3 | 90 | 4.5 | 84 | 4.1 | |
| Other | 2 | 0.21 | 1 | 0.12 | 4 | 0.71 | — | — | — | — | — | — | 6 | 0.3 | 1 | 0.05 | |
| NERVOUS : | | | | | | | | | | | | | | | | | |
| Epilepsy | 2 | 0.21 | 2 | 0.24 | — | — | 1 | 0.14 | — | — | — | — | 2 | 0.1 | 3 | 0.14 | |
| Chorea | 1 | 0.11 | — | — | — | — | — | — | — | — | — | — | 1 | 0.05 | — | — | |
| Other | 5 | 0.54 | 3 | 0.36 | 1 | 0.18 | 1 | 0.14 | — | — | — | — | 6 | 0.3 | 4 | 0.19 | |
| OTHER DEFECTS | 6 | 0.65 | 4 | 0.48 | 2 | 0.35 | 7 | 1.0 | — | — | 1 | 0.19 | 8 | 0.4 | 12 | 0.58 | |
| Total children examined | 916 | | 832 | | 558 | | 688 | | 506 | | 513 | | 1980 | | 2033 | | |
| | 1748 | | | | 1246 | | | | 1019 | | | | 4013 | | | | |

Section 3.

TREATMENT.

Clinics. All the School Clinics are housed in the Health Department Victoria Street.

Inspection Clinics. The Inspection Clinic at which the Assistant School Medical Officer examines children referred for special examination by parents, teachers, school nurses, school welfare officers, or from school medical inspection, is held on Wednesday afternoons and Saturday mornings.

During the year 828 children paid 996 visits to the 101 Inspection Clinics which were held.

Minor Ailments are treated every morning at the School Clinic by an Assistant School Medical Officer assisted by two school nurses.

The appended table gives a classification of defects treated during the year, together with comparison with 1949.

Table 7.—MINOR AILMENTS

Comparison
with 1949.

| Complaint | 1950. | | | 1949. | | | Comparison with 1949. | |
|-----------------------------|-------------|-------------|--|-------------|-------------|--|--------------------------|--------------------|
| | Cases | Attendances | Average number of attendances per case | Cases | Attendances | Average number of attendances per case | Attendance inc. or dec. | Cases inc. or dec. |
| Ringworm—Scalp | 14 | 65 | 4.6 | 4 | 23 | 5.8 | + 42 | + 10 |
| Body | 2 | 2 | 1.0 | 5 | 122 | 24.5 | — 120 | — 3 |
| Scabies | 16 | 26 | 1.6 | 25 | 94 | 3.7 | — 68 | — 9 |
| Impetigo | 16 | 113 | 7.1 | 53 | 551 | 10.4 | — 438 | — 37 |
| Other Skin Diseases | 41 | 172 | 4.2 | 44 | 325 | 7.4 | — 153 | — 3 |
| Minor Injuries | 245 | 1097 | 4.4 | 190 | 817 | 4.3 | + 280 | + 55 |
| Verminous Head | 154 | 601 | 3.9 | 125 | 487 | 3.9 | + 114 | + 29 |
| Otorrhoea | 12 | 154 | 12.8 | 10 | 157 | 15.7 | — 3 | + 2 |
| Other ear defect or disease | 62 | 503 | 8.1 | 68 | 803 | 11.8 | — 300 | — 6 |
| Blepharitis | 11 | 58 | 5.2 | 16 | 65 | 4.1 | — 7 | — 5 |
| Conjunctivitis | 14 | 53 | 3.8 | 19 | 99 | 5.2 | — 46 | — 5 |
| Other Ext'l Eye disease... | 34 | 134 | 4.0 | 39 | 148 | 3.8 | — 14 | — 5 |
| Miscellaneous | 789 | 1914 | 2.4 | 763 | 2518 | 3.3 | — 604 | + 26 |
| TOTALS | 1410 | 4892 | 3.5 | 1361 | 6209 | 4.5 | —1317 | + 49 |

Tonsils and Adenoids. One hundred and ninety-nine children recommended as a result of medical inspection, were operated upon during the year, at 45 sessions, all held at Queen's Park Hospital; 601 children remained on the waiting list at the end of the year.

In addition, 253 children, ascertained through other sources, *e.g.* private doctors, were operated upon at the Royal Infirmary.

The department is notified of all children operated upon in order that this may be followed up on discharge.

Visual Defects. The Authority has continued to use the Supplementary Ophthalmic Services of the National Health Service Act, for the supply of spectacles to school children.

During 1950, 98 sessions were held at which Mr. Wishart examined 823 children of whom 677 were in need of spectacles and for whom spectacles were prescribed.

Of the children examined, 390 were new cases referred for a first examination during the year and of whom 294 were in need of spectacles and for whom spectacles were prescribed.

Table 8.

| Defect | Cases | | Percentage of Cases | |
|--|-------------------------|-------------------------------|-------------------------|-------------------------------|
| | Examined for first time | Examined re change of glasses | Examined for first time | Examined re change of glasses |
| EXAMINED FOR REFRACTIVE ERRORS : | | | | |
| Emmetropia (Normal Vision) ... | 40 | 16 | 10.3 | 3.7 |
| Simple Hypermetropia | 140 | 143 | 35.9 | 33.0 |
| Hypermetropic Astigmatism | 75 | 147 | 19.2 | 33.9 |
| Mixed Astigmatism | 38 | 45 | 9.7 | 10.4 |
| Myopia | 72 | 49 | 18.5 | 11.4 |
| Myopic Astigmatism | 25 | 33 | 6.4 | 7.6 |
| Totals..... | 390 | 433 | — | — |
| EYE DISEASES (IN ADDITION TO REFRACTIVE ERRORS) : | | | | |
| Blepharitis | 1 | — | 1.8 | — |
| Nebulae (Corneal) | 1 | 4 | 1.8 | 2.8 |
| Cataract (Congenital) | 1 | 1 | 1.8 | 0.7 |
| Other Eye Diseases | 8 | 7 | 14.0 | 5.0 |
| Phlyctenular Conjunctivitis | — | — | — | — |
| Strabismus | 39 | 120 | 68.4 | 85.8 |
| Over 5 Dioptres | 7 | 8 | 12.2 | 5.7 |
| Totals..... | 447 | 573 | — | — |

At the end of the year, Mr. Wishart intimated that he would shortly relinquish his appointment as Ophthalmologist to the Education Committee.

Mr. Wishart's appointment had lasted for twenty-five years, during which time over 10,000 children have passed through his hands. His resignation should not be allowed to pass without recording an appreciation of his unfailing courtesy and ready co-operation. Throughout his association with the Department he proved himself an acceptable and popular colleague.

Selected pupils with seriously defective vision are admitted to the Special Class for Partially Sighted children in the Corporation Park, whilst blind children are admitted to Residential Special Schools.

Details of those children are given in Section 7.

Orthoptic Clinic. The Orthoptic Clinic, closed since 1946, due to the inability of the Committee to recruit staff, re-opened in January.

The department has been provided with much modern equipment, including a Roller Test Type for testing Visual Acuity (this prevents memorisation of the letters by those under treatment); a Hess Chart has been introduced for the diagnosis of muscle imbalance producing paresis or paralysis of external ocular muscles. It also shows which is the overacting muscle. Several smaller instruments have been obtained for use during exercises.

Four hundred and fifty-four sessions were held at the Department; two hundred and thirty-four patients attended two thousand and forty-eight times. The number of cases discharged "cured" was nineteen. This number is low due, firstly, to poor vision in the deviating eye, and to the fact that no orthoptic treatment has been available since 1946 to improve vision by means of occlusion of the non-deviating eye and, secondly, the long waiting list for operative correction.

In March arrangements were made for extra-borough school children to attend the Department, the majority of these cases being referred from the school clinic at Accrington.

The main objects of the work are as follows :

- (1) By occlusion or " patching " of the good eye, to make the bad one work and thus improve its vision. The aim is to produce equal sight in both eyes.
- (2) To establish and strengthen Binocular Vision by means of exercises, and if the squint is not cured by Orthoptic treatment alone, surgery is advised to remove the residual angle of deviation.
- (3) To diagnose paresed or paralysed ocular muscles, and to estimate the state of Binocular Vision.
- (4) To relieve eyestrain *e.g.* headaches, blurred vision, vomiting, dizziness and double-vision.
- (5) The Cosmetic effect.

DETAILS OF CASES SEEN BY ORTHOPTIST.

| | | | | | | |
|---|-----|-----|-----|-----|-----|------|
| Number of Sessions | ... | ... | ... | ... | ... | 454 |
| Number of cases admitted | ... | ... | ... | ... | ... | 234 |
| Number of cases discharged | ... | ... | ... | ... | ... | 41 |
| Number of cases cured | ... | ... | ... | ... | ... | 19 |
| Number of cases improved | ... | ... | ... | ... | ... | 8 |
| Number of cases unsuitable | ... | ... | ... | ... | ... | 12 |
| Number of cases ceased on own accord | ... | ... | ... | ... | ... | 3 |
| Number of cases failed to attend | ... | ... | ... | ... | ... | 13 |
| Number of cases under occlusion attending | ... | ... | ... | ... | ... | 90 |
| Number of occlusion attendances | ... | ... | ... | ... | ... | 1030 |
| Number of cases under occlusion transferred for treatment | ... | ... | ... | ... | ... | 66 |
| Number of cases under treatment at the end of 1950 | ... | ... | ... | ... | ... | 73 |
| Number of treatment attendances | ... | ... | ... | ... | ... | 848 |
| Number of cases waiting surgery for a " cure " | ... | ... | ... | ... | ... | 24 |
| Number of cases waiting surgery for a " cosmetic " result | ... | ... | ... | ... | ... | 12 |
| Number of cases that have left the district | ... | ... | ... | ... | ... | 2 |
| Number of county cases attending | ... | ... | ... | ... | ... | 17 |
| Total number of attendances made to the Department | ... | ... | ... | ... | ... | 2048 |

REPORT OF CASES EXAMINED BY MR. WISHART.

| | | | | | | |
|--|-----|-----|-----|-----|-----|----|
| Number of sessions | ... | ... | ... | ... | ... | 8 |
| Number of cases examined | ... | ... | ... | ... | ... | 80 |
| Number of cases discharged cured | ... | ... | ... | ... | ... | 18 |
| Number of cases discharged unsuitable | ... | ... | ... | ... | ... | 5 |
| Number of cases improved | ... | ... | ... | ... | ... | 2 |
| Number of cases to continue with treatment | ... | ... | ... | ... | ... | 6 |
| Number of cases referred for observation | ... | ... | ... | ... | ... | 7 |
| Number of cases referred for surgery | ... | ... | ... | ... | ... | 40 |
| Number of cases " cosmetically " straight | ... | ... | ... | ... | ... | 2 |

Child Guidance. The Blackburn Clinic of the Lancashire County Council remained closed during the year, but it is expected that new appointments will be made early in 1951.

As a result of these appointments it is hoped we shall be able to recommence our practice of sending Blackburn cases to the clinic.

Heart, Rheumatism and Anaemia Clinic. The Consultant Cardiologist attends once per month to examine children referred by the School Medical Inspectors.

During the year, attendances at the Clinic proved extremely satisfactory there being a total number of 268 attendances.

In all, 66 cases were referred for examination of which number 36 proved to be either suffering from no cardiac defect, or from functional disorder.

All the cases with organic or congenital cardiac defects are re-examined periodically. The possibility at some subsequent date of submitting certain congenital cases to operation is under constant consideration.

As described in the report for 1946, the services of the X-ray Department at the Blackburn Royal Infirmary are available for X-ray and Electrocardiographic examinations.

Twenty-four cases shown to be suffering from Anaemia were placed on a course of Fersolate Tablets and attended the Clinic at subsequent dates for further tests until an improvement was effected.

The subjoined table sets out particulars of all cases seen during the year, at both the clinics conducted by the Assistant School Medical Officer and those attended by the Cardiologist.

Table 9. ATTENDANCES AT CARDIOLOGICAL CLINIC.

| Diagnosis | 1st Exam | Re-Exam | Exercises | | Disch'g'd or left School | Still on Register | Hb | Referred for | | |
|---|----------|---------|-----------|-------|--------------------------|-------------------|----|--------------|-------|-----|
| | | | Fit | Unfit | | | | ECG | X-Ray | BSR |
| Rheumatism | 6 | 4 | 4 | 2 | 3 | 3 | — | — | — | — |
| ? Rheumatism | 1 | — | 1 | — | 1 | — | — | — | — | — |
| Anaemia | 24 | 17 | 24 | — | 12 | 12 | 8 | — | — | 4 |
| ? Anaemia | 2 | 1 | 2 | — | 2 | — | 1 | — | — | — |
| Functional Murmur | 24 | 14 | 20 | 4 | 16 | 8 | — | — | — | 2 |
| N.A.D. | 8 | — | 8 | — | 8 | — | — | — | — | — |
| Cases referred to Cardiologist | 65 | 36 | 59 | 6 | 42 | 23 | 9 | — | — | 6 |
| Results of Examinations by Cardiologist : | 1st Exam | | | | | | | | | |
| Mitral Stenosis | 11 | 22 | 10 | 1 | 3 | 8 | — | 11 | 10 | — |
| Pulmonary Stenosis | 3 | 8 | 1 | 2 | 1 | 2 | — | 3 | 3 | — |
| Mitral Stenosis with Aortic Incompetence | — | — | — | — | — | — | — | — | — | — |
| Inter Atrial Septal Defect | 4 | 9 | 2 | 2 | — | 4 | — | 2 | 4 | — |
| Patent Ductus Arteriosus | 3 | 12 | 1 | 2 | 1 | 2 | — | 2 | 3 | — |
| Congenital Heart Block | 1 | 4 | — | 1 | — | 1 | — | 1 | 1 | — |
| Kyphoscoliosis | — | — | — | — | — | — | — | — | — | — |
| Tetralogy of Fallot | — | — | — | — | — | — | — | — | — | — |
| Sub-Aortic Stenosis | 4 | 5 | 3 | 1 | 2 | 2 | — | 3 | 3 | — |
| Patent Inter-Ventricular Septum | 4 | 8 | 3 | 1 | 1 | 3 | — | 2 | 3 | — |
| Functional Murmur | 20 | 24 | 20 | — | 19 | 1 | — | — | — | — |
| Split First Sound | — | — | — | — | — | — | — | — | — | — |
| Normal Hearts | 16 | 9 | 16 | — | 16 | — | — | — | — | — |
| Totals | 66 | 137 | 115 | 16 | 85 | 46 | 9 | 24 | 27 | 6 |

Hb : Haemoglobin Estimation. ECG : Electrocardiograph. BSR : Blood Sedimentation Rate.

Orthopaedic Treatment and Physiotherapy. The scope of the Physiotherapy Section of the Department continues to enlarge, and failure to appoint a qualified Assistant is causing many difficulties.

Before the War, when the scope of the department was much less than it is to-day, much of the work was done in classes ; for example, flat feet, bad postures and knock knees. Since the war, and particularly since the Physiotherapist began to attend the Specialist's Clinic at the Infirmary once a month, treatment has become more individual.

Consequently, half-hour sessions are to-day often given up to single treatments (electro-therapy, massage, etc.), for cases such as infantile paralysis, torticollis and hemiplegias, to the exclusion of a class of eight or ten other cases.

I do not intend to infer that minor defects are being neglected; the waiting time between ascertainment and treatment is merely longer, and, obviously, serious cases under the care of an Orthopaedic Surgeon must take preference over minor defects.

In order to relieve the Physiotherapist for Orthopaedic work, a retired Health Visitor has been re-engaged on a sessional basis to deal with the daily sunlight classes. The Physiotherapist is thereby able to deal with orthopaedic patients whilst sunlight is also being given. This procedure is merely a stop-gap, and until another Physiotherapist is appointed, the waiting list will continue to increase.

During the year, 27 children suffering from Orthopaedic defects received in-patient treatment at either the Royal Infirmary or Queen's Park Hospital.

The following table gives details of the work carried out at the Clinic :

Table 10.

ATTENDANCES AT ORTHOPAEDIC CLINIC.

| | REMEDIAL EXERCISES | | | | ELECTRICAL TREATMENT | | | |
|--------------------------------|--------------------|-------------|------------|-------------|----------------------|-------------|------------|-------------|
| | School | | Pre-School | | School | | Pre-School | |
| | Cases | Attendances | Cases | Attendances | Cases | Attendances | Cases | Attendances |
| Breathing Exercises | 13 | 69 | 1 | 5 | — | — | — | — |
| Slight Postural Defects | 31 | 246 | 2 | 4 | — | — | — | — |
| Spinal Curvature | 1 | 9 | — | — | — | — | 1 | 28 |
| Infantile Paralysis | — | — | 5 | 72 | 3 | 127 | 6 | 277 |
| Birth Injuries | 2 | 60 | 1 | 11 | 1 | 28 | — | — |
| Congenital Dislocations | 7 | 80 | 5 | 52 | 3 | 103 | 5 | 184 |
| Pes Cavus and Planus | 49 | 338 | 7 | 49 | — | — | — | — |
| Rickets | — | — | 2 | 27 | — | — | — | — |
| Genu Valgum | 49 | 486 | 28 | 196 | — | — | — | — |
| T.B. Joints | — | — | — | — | — | — | — | — |
| Talipes | 1 | 13 | — | — | — | — | — | — |
| Result of Accident | 5 | 16 | — | — | 10 | 321 | 11 | 302 |
| Other | — | — | — | — | — | — | — | — |
| TOTALS | 158 | 1317 | 51 | 416 | 17 | 579 | 23 | 791 |

Ultra Violet Light Treatment. One hundred and nine school children underwent ultra violet light treatment and received a total of 1,003 exposures.

Cleansing Centre. During the year, 724 children were referred to the Cleansing Centre for treatment for "nit" and "pediculi" infestation.

Section 4

DENTAL INSPECTION AND TREATMENT.

Work of the School Dental Department. During the year 199 school children received orthodontic treatment. Most of the cases were treated by means of judicious extractions, but in 54 cases it was necessary to supply and use appliances for correction. This important branch of dentistry could profitably be extended, but would take up more time than the present staff could possibly give without detriment to the existing services.

The appended table sets out the work done in the department during the years 1949 and 1950.

| | | | | | | 1949 | 1950 |
|----------------------------------|-----|-----|-----|-----|-----|-------|-------|
| | | | | | | <hr/> | <hr/> |
| Permanent Teeth Filled | ... | ... | ... | ... | ... | 2897 | 3032 |
| Temporary Teeth Filled | ... | ... | ... | ... | ... | 173 | 245 |
| Root Treatments | ... | ... | ... | ... | ... | 41 | 86 |
| Extractions | ... | ... | ... | ... | ... | 7907 | 7715 |
| Other Operations | ... | ... | ... | ... | ... | 1231 | 1422 |
| | | | | | | <hr/> | <hr/> |
| | | | | | | 12249 | 12500 |
| | | | | | | <hr/> | <hr/> |
| General Anaesthetics | ... | ... | ... | ... | ... | 713 | 596 |
| Percentage who refused treatment | ... | ... | ... | ... | ... | 10.3% | 9.4% |
| Percentage with Dental Caries | ... | ... | ... | ... | ... | 49.2% | 48.9% |
| Percentage of Appointments kept | ... | ... | ... | ... | ... | 90.5% | 91.9% |

Table II

DENTAL TREATMENT

| | Number of Half-days Devoted to Inspection | Number of Half-days Devoted to Treatment. | Total Number of Attendances made by Children at the Clinic | No. of Perma't Teeth | | No. of Temporary Teeth | | Total No. of Teeth | | No. of Administrations of General Anaesthetics | No. of Administrations of Local Anaesthetics | No. of other Operations | | | | X-Ray | |
|--------------------|---|---|--|----------------------|--------|------------------------|--------|--------------------|----------|--|--|-------------------------|-------------|-------------|-------------|-------|-----------------|
| | | | | Extracted | Filled | Extracted | Filled | Extractions | Fillings | | | Perm. Dress | Perm. Scale | Temp. Dress | Temp. Scale | | Root Treatments |
| Routine | 125 | 1237* | 6695 | 800 | 2967 | 5082 | 217 | 5882 | 3184 | 596 | 2237 | 737 | 339 | 15 | — | 86 | 77 |
| Specials | — | — | 1660 | 160 | 65 | 1673 | 28 | 1833 | 93 | — | 1290 | 221 | 14 | 19 | — | — | — |
| Total | 125 | 1237 | 8355 | 960 | 3032 | 6755 | 245 | 7715 | 3277 | 596 | 3527 | 958 | 353 | 34 | — | 86 | 77 |

| | | |
|--|----------------------------------|----------------------------------|
| | 1949 | 1950 |
| Appointments to attend the Clinic were made to the number of | 7110 | 7283 |
| The number of appointments kept was | 6540(90.5%) | 6695(91.9%) |
| The number of mouths made healthy was : | 1576 Specials 4120 Routines } | 1660 Specials 4253 Routines } |
| | Total | Total |
| | 5696 | 5913 |

Orthodontia Cases : 199 cases—108PX, 101TX and 54 appliances, 24 new dentures and 5 dentures were repaired.
 * Including 47 half-days with the Mobile Dental Clinic.

Table 12.

REFERRED FOR TREATMENT—AGE GROUPS

| Sex | 4 yrs. | 5 yrs. | 6 yrs. | 7 yrs. | 8 yrs. | 9 yrs. | 10 yrs. | 11 yrs. | 12 yrs. | 13 yrs. | 14 yrs. | 15 yrs. | 16 yrs. + | Total |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------------|-------|
| Boys | 199 | 293 | 348 | 363 | 338 | 326 | 258 | 250 | 227 | 192 | 161 | 21 | 2 | 2978 |
| Girls | 185 | 259 | 320 | 378 | 364 | 305 | 298 | 290 | 239 | 272 | 163 | 47 | 14 | 3134 |
| Totals | 384 | 552 | 668 | 741 | 702 | 631 | 556 | 540 | 466 | 464 | 324 | 68 | 16 | 6112 |

Table 13.
TREATMENT—AGE GROUPS.

| Sex | 4 years | | 5 years | | 6 years | | 7 years | | 8 years | | 9 years | | 10 years | | 11 years | | 12 years | | 13 years | | 14 years | | 15 years | | 16 years + | | Total | |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|---------------|---------|---------|---------|
| | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals | Routine | Casuals |
| Boys | 114 | 118 | 160 | 138 | 241 | 164 | 269 | 88 | 269 | 70 | 202 | 55 | 191 | 63 | 148 | 41 | 171 | 33 | 120 | 28 | 102 | 23 | 24 | 6 | 6 | 2 | 2017 | 829 |
| Girls | 122 | 117 | 144 | 146 | 241 | 139 | 255 | 101 | 289 | 77 | 212 | 64 | 194 | 54 | 192 | 30 | 178 | 32 | 181 | 33 | 155 | 21 | 42 | 11 | 31 | 6 | 2236 | 831 |
| Totals | 236 | 235 | 304 | 284 | 482 | 303 | 524 | 189 | 558 | 147 | 414 | 119 | 385 | 117 | 340 | 71 | 349 | 65 | 301 | 61 | 257 | 44 | 66 | 17 | 37 | 8 | 4253 | 1660 |

Section 5

FOLLOWING UP.

The parents of children found to be suffering from a physical defect are so notified either verbally or by circular-letter and are advised to secure treatment without delay. A record is kept of all such children, who are then followed up by the School Nurses to ensure that the appropriate treatment is obtained.

The following table sets out details of the work carried out by the School Nurses.

Table 14. WORK OF THE SCHOOL NURSES.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | Totals |
|--|------|------|------|-----|------|------|------|------|------|------|------|-----|------|------|------|----|----|--------|
| VISITS TO SCHOOLS : | | | | | | | | | | | | | | | | | | |
| 1. (a) No. of Visits re Cleanliness ... | 8 | 10 | 12 | 12 | 30 | 9 | 6 | 14 | 10 | 27 | 13 | 2 | 44 | 47 | 76 | | | 320 |
| (b) No. of Visits re Infectious Disease ... | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 | | | 2 |
| (c) No. of Visits for Other Reasons ... | 34 | 21 | 19 | 5 | 25 | 2 | 13 | 8 | 13 | 20 | 17 | 4 | 18 | 23 | 22 | | | 244 |
| Totals ... | 42 | 31 | 32 | 17 | 55 | 11 | 19 | 22 | 23 | 47 | 30 | 6 | 62 | 70 | 99 | | | 566 |
| 2. No. of Children Inspected : | | | | | | | | | | | | | | | | | | |
| (a) Re Cleanliness ... | 1860 | 1135 | 1425 | 722 | 2510 | 1275 | 2547 | 1905 | 1067 | 2624 | 1694 | 196 | 5693 | 4948 | 6811 | | | 36412 |
| (b) Re Scarlet Fever ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | — |
| (c) Re Diphtheria ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | — |
| (d) Re Other Infectious Diseases ... | — | — | 133 | — | — | — | — | — | — | — | — | — | — | — | 110 | | | 243 |
| (e) Re Other Reasons ... | 228 | 191 | 270 | 75 | 365 | — | 352 | 32 | 132 | 427 | 337 | 61 | 149 | 97 | 190 | | | 2906 |
| Totals ... | 2088 | 1326 | 1828 | 797 | 2875 | 1275 | 2899 | 937 | 1199 | 3051 | 2031 | 257 | 5842 | 5045 | 7111 | | | 39561 |
| 3. Cleanliness Inspections : | | | | | | | | | | | | | | | | | | |
| (a) No. of Children Clean ... | 1679 | 1038 | 1322 | 653 | 1826 | 1103 | 2093 | 1596 | 1033 | 2130 | 1209 | 194 | 5137 | 4506 | 5278 | | | 30797 |
| (b) No. of Children with Nits or Pediculi... | 181 | 97 | 103 | 69 | 684 | 172 | 454 | 309 | 34 | 494 | 485 | 2 | 556 | 442 | 1533 | | | 5615 |
| Totals ... | 1860 | 1135 | 1425 | 722 | 2510 | 1275 | 2547 | 1905 | 1067 | 2624 | 1694 | 196 | 5693 | 4948 | 6811 | | | 36412 |
| HOME VISITING BY SCHOOL NURSES : | | | | | | | | | | | | | | | | | | |
| Concerning : | | | | | | | | | | | | | | | | | | |
| (a) Uncleanliness ... | 36 | 33 | 11 | 10 | 29 | 9 | 31 | 54 | 18 | 95 | 47 | — | 30 | 16 | 6 | | | 425 |
| (b) Defects found at Routine Inspections | 258 | 100 | 183 | 22 | 87 | 17 | 216 | 198 | 75 | 113 | 55 | — | 413 | 490 | 509 | | | 2736 |
| Totals ... | 294 | 133 | 194 | 32 | 116 | 26 | 247 | 252 | 93 | 208 | 102 | — | 443 | 506 | 515 | | | 3161 |
| NO. OF CLINIC SESSIONS ATTENDED : | | | | | | | | | | | | | | | | | | |
| — | — | — | 1 | — | — | 1 | 81 | — | 1 | 1 | — | — | 241 | 263 | 297 | | | 886 |

Section 6

INFECTIOUS DISEASES.

All home contacts of infectious diseases are excluded from school for periods which vary according to the nature of the disease.

Information as to the incidence of non-notifiable infectious diseases is obtained from teachers, welfare officers, sanitary inspectors, health visitors and parents.

The following table gives particulars of cases occurring in school children during 1950.

Table 15.

NOTIFIABLE DISEASES OCCURING IN THE SCHOOLS OF THE BOROUGH

| | Scarlet Fever | Diphtheria | Measles | Whooping Cough | Chicken Pox | Mumps | Dysentery | Primary Pneumonia | Cerebro- Spinal Meningitis | Acute Polio- Myelitis | Hepatitis |
|------------------|------------------|------------|---------|-------------------|----------------|-------|-----------|----------------------|----------------------------------|--------------------------|-----------|
| January | 4 | — | 1 | 17 | 6 | 1 | 1 | — | — | — | — |
| February | 5 | — | 4 | 8 | 84 | 2 | — | — | — | — | — |
| March | 10 | — | 1 | 30 | 50 | — | — | — | — | — | — |
| April | 5 | — | 2 | 11 | 17 | — | 3 | 1 | — | — | — |
| May | 5 | — | 5 | 18 | 81 | — | — | — | — | — | — |
| June | — | — | 4 | 18 | 52 | — | — | 1 | — | — | — |
| July | 3 | — | 16 | 6 | 43 | — | 8 | — | — | — | — |
| August | 1 | — | 10 | 7 | 2 | — | 10 | — | — | 1 | — |
| September | 1 | — | 46 | 10 | 8 | — | — | — | — | — | — |
| October | 5 | — | 321 | 7 | 6 | — | — | — | — | — | 1 |
| November | 6 | — | 617 | 26 | 4 | 3 | 1 | 3 | 1 | — | — |
| December | 2 | — | 259 | 13 | 4 | 1 | 1 | 2 | — | — | 2 |
| Totals ... | 47 | — | 1286 | 171 | 357 | 7 | 24 | 7 | 1 | 1 | 3 |

The incidence of Scarlet Fever was again low (47 school children). The disease was of mild type and there were no deaths.

As was the case in 1949, no cases of diphtheria occurred. This compares with 106 cases in 1937 and 125 cases in 1938.

To mention this achievement again may be tempting providence, but I consider the absence of Diphtheria in the Borough well worthy of note, showing as it does the results of the wholehearted co-operation of Head Teachers and their staffs and of course, the parents, without whose consent immunisation cannot be carried out.

Since Immunisation was started in the Borough in 1929, over 30,000 persons have been immunised against the disease, but in order to keep Diphtheria under control, this Immunisation rate must be maintained, and if possible, increased ; though, with 92% of the school children in the Borough already immune, this may be difficult, as there will always be a "hard core" of parents who refuse to avail themselves of this facility.

Section 7

HANDICAPPED PUPILS.

Ascertainment. The arrangements for the ascertainment of pupils requiring special educational treatment as defined by the Handicapped Pupils and School Health Service Regulations made under the Education Act, 1944, were described in my Annual Report for 1946.

The establishment of the National Health Service has not affected this work, except that reports under Section 57 of the Education Act, 1944, are now made to the Local Health Authority, which, since 5th July, 1948, is the Local Authority for the purposes of the Mental Deficiency Acts.

Blind Pupils. The Education Committee make arrangements with various special residential schools for the admission of appropriate cases. At the end of the year, one boy and one girl were in the School for the Blind, Hardman Street, Liverpool, one boy was in the Homes for the Blind, Preston, whilst two girls were in Henshaw's, at Manchester.

On being discharged from Special Schools, certain blind pupils are admitted to the Local Workshops for the Blind for training and subsequent employment.

Partially Blind Pupils are admitted to the school for Partially Sighted Pupils in the Corporation Park. The children are selected for admission by the consultant Oculist who re-examines them twice yearly during their attendance.

At this school all close work is reduced to a minimum and the reading of ordinary school books is prohibited ; the only reading allowed is from letter press, often prepared by the children themselves, each letter being not less than 1" in height. Oral work occupies a large proportion of the curriculum and comprises nature study, history and geography, object lessons, description by the teacher of important current events, followed by a discussion in which the children take part.

Handicraft work is encouraged, the work being such as will develop manual dexterity without demanding close ocular attention.

Physical exercises are modelled on the Ministry's Curriculum with the proviso that exercises demanding strain and violent movement are avoided. At the end of the year 5 boys and 9 girls were in attendance at the School.

Deaf Pupils. Several Residential Special Schools for the deaf admit suitable cases from Blackburn. At present there are 4 boys and 5 girls, one of whom is also Educationally Subnormal, in the Royal Cross School for the Deaf, Preston.

Partially Deaf Pupils. At present no provision is made for the special educational treatment of partially deaf pupils, only two of whom appear on the register.

Delicate Pupils are dealt with at the Black-a-Moor Open-Air School. A School Nurse is in full-time attendance at the school and the Assistant School Medical Officer visits once each week.

One hundred and eighty-one children were on the register at the end of 1949, 57 were admitted, 7 re-admitted and 76 discharged during the year; thus 169 children were in attendance at the end of 1950. The average duration of attendance of those discharged was 2 years 10 months, and the average increase in weight was 16-lbs.

The reasons for the admission of the 245 children who attended during the year were as follows :—

| | | | | | |
|---------------------|-----|-----|-----|-----|----|
| Subnormal Nutrition | ... | ... | ... | .. | 71 |
| Anaemia | ... | ... | ... | ... | 12 |
| Debility | ... | ... | ... | .. | 41 |
| Bronchitis | ... | ... | ... | ... | 74 |
| Asthma | ... | ... | ... | ... | 24 |
| Tuberculosis | ... | .. | ... | ... | 4 |
| Bronchiectasis | ... | ... | ... | ... | 5 |
| Paresis | ... | ... | ... | ... | 2 |
| Other conditions | ... | ... | ... | ... | 12 |

Pupils are selected for admission by the Assistant School Medical Officer, who re-examines them on admission to the school and at three-monthly intervals thereafter.

Each child is supplied with milk twice a day, is provided with a hot mid-day meal and there is a daily rest period of one hour. All the children receive emulsion or extract of malt every day, whilst thirty children have been treated with fersolate tablets twice a day. Forty-five children have undergone courses of adexolin.

Children suffering from Asthma and certain cases suffering from Bronchitis attend a weekly class for Breathing Exercises.

Minor ailments are treated by the School Nurse who also superintends the weekly shower bath of each child. Every child is weighed at least once a month.

The School Nurse also carries out regular cleanliness inspections. Compared with other schools in the Borough the standard of cleanliness is high.

During the year, 23 children found to have nit infestation and 5 children with head lice were treated in school by the application of D.D.T. Hair Emulsion.

The Physical Training Organiser visits once a week to give remedial exercises ; about 30 children attend this class.

The attendances during 1950 were satisfactory. The average attendance was 141.8 : the highest weekly percentage of average attendance being 91.9 per cent.

Educationally Subnormal Pupils. At present no provision is made by this Authority for the Special Educational treatment of Educationally Subnormal Children.

At the end of the year there was a total of 112 educationally subnormal pupils on the register. Three boys are in the Beacon School, Lichfield, the Lancashire County Council Residential School, Ulverston, and Mollihull School, Birmingham, respectively, whilst two girls are in Allerton Priory Residential School, Liverpool.

Two boys are in Pontville R.C. Special Residential School, Ormskirk, whilst a girl, who is also deaf is in the Royal Cross School for the Deaf, Preston. One hundred and two were attending ordinary schools and two were not at school. All these children require special educational treatment and the absence of facilities for such treatment is a matter for concern.

During the year fourteen pupils were reported to the Local Authority for the purposes of the Mental Deficiency Acts.

Epileptic Pupils. Arrangements are made for the admission of epileptic pupils to various residential schools. At the end of the year one boy was at the David Lewis Home for Epileptics, Warford, one boy was at the Home for Epileptics, Maghull, and one girl was at the Soss Moss School for Epileptics, Manchester.

Maladjusted Pupils. There are 11 pupils of this type at present on the register, including one who is also educationally subnormal. Five children, three boys and two girls, were in Special Residential Schools at the end of the year.

Physically Handicapped Pupils. This category includes those pupils, not being pupils suffering solely from a defect of sight or hearing, who by reason of disease or crippling defect cannot be satisfactorily educated in an ordinary school or cannot be educated in such a school without detriment to their health or educational development.

At the end of the year there was a total of twenty pupils in this category, ten of whom were attending ordinary schools, eight at the Open Air School, one at no school, and one, a boy, in attendance at the Bethesda Home, Colwyn Bay.

Pupils Suffering from Speech Defects. As stated in my Annual Report for 1948 the Speech Clinic closed at the end of March, 1948, and has remained closed.

Repeated advertisements have not brought any applications, and it is to be regretted that this vital clinic has temporarily had to be suspended.

The waiting list has been kept up and at the end of the year 84 children were awaiting treatment.

Section 8

MISCELLANEOUS.

Co-operation of Parents. The presence of parents is encouraged at both School Medical Inspection and at the various clinics. For the most part the parents have been appreciative of the work of the Department and have followed the advice given by the staff.

Co-operation of Teachers. The assistance given by the teachers in every aspect of the school medical work has been invaluable. Much additional work has been thrown upon them and I am grateful for their continued co-operation.

Co-operation of the School Welfare Officers. To the School Welfare Officers I must express my thanks. The information gained by them in the course of their visits to homes is passed to the School Health Service and greatly facilitates the work of the staff.

Their co-operation in obtaining attendance of children at Clinics is most valuable and has done much towards securing treatment of defects.

The National Society for the Prevention of Cruelty to Children. Twenty-one cases were reported to the Society by officials of the School Health Service. All were for general neglect, two of which were taken to Court. The children concerned in these cases were placed in the care of the Children's Committee.

In all, 35 school children and 26 other children were involved in the twenty-one cases reported.

During the year, Mr. King, the Society's representative in the area, left after many year's devoted service, and I would express my sincere thanks for his ever-ready help during the years we have been associated. I offer him my best wishes in his new post, and welcome his successor, Mr. Evans, with the assurance that my staff and myself will do all in our power to co-operate in his most difficult task.

Licensing of Children for Entertainments during 1950.

Thirty-seven children, licenced to perform on tour, appeared at the Grand Theatre. Their lodgings, dressing room accommodation, licences and school records were all examined by the School Welfare Officers.

Employment of Children and Young Persons. Shortly before the school leaving age is reached juvenile employment cards are completed by the Assistant Medical Officer, who examined 1,019 children for employment during 1950.

561 children (518 boys and 43 girls) were newly licensed (after a special medical examination) for employment out of school hours. The majority are engaged in the delivery of milk, newspapers, groceries, etc. In 18 cases certificates were refused on account of the children being medically unfit.

Deaths of School Children, 1950.

| | | | | | | |
|----------------|-----|-----|-----|-----|-----|---|
| Heart Disease | .. | ... | ... | ... | ... | 2 |
| Accidents | .. | ... | ... | ... | ... | 4 |
| Other Diseases | ... | .. | ... | ... | ... | 2 |

Nursery Classes. There are 44 Nursery Classes in the Borough for the accommodation of children between the ages of 3 and 5 years. Inspection findings of children in attendance at these classes are incorporated in the "Entrant group" of routine medical inspection.

The number of children on the rolls at the end of the year was 1,415.

The School Nurses visit each Nursery Class at frequent regular intervals.

Physical Education. I am indebted to the Director of Education for the following report on physical education in the schools.

In the year 1950-51 there has been a continued steady progress in all branches of Physical Education. There is a gradual increase in the number of schools equipped with some of the large climbing apparatus.

A One Day Course in Physical Education for Junior Teachers was held at the Harrison Gymnasium at which over 90 teachers attended. Four classes of children showing modern methods in our Physical Training lesson were watched and discussions on our method took place.

In the autumn, in conjunction with the Lancashire L.F.A., a ten sessional Dance Course for Teachers was held at the Barton St. Gymnasium. One-hundred and forty four teachers attended and at two special sessions there was an additional attendance of over 130. The varied programme included practical sessions in national dancing, demonstration lessons by children, and lectures in modern method in the teaching of dancing.

The lack of indoor facilities for Physical Education at the new Longshaw Primary School afforded an opportunity for the provision of an "outdoor gymnasium" constructed of rustless tubular aluminium alloy. The progress of children on this new apparatus has been watched with interest and highly satisfactory results have been obtained. The true value of this apparatus will only be apparent after a few years.

Another step forward has been the conversion of Barton Street premises into a fully equipped gymnasium with showers and changing rooms for both boys and girls. At present the gymnasium is used to capacity by the Technical High School and Blakey Moor Boys School.

Once again Blackburn obtained the largest number of certificates in North East Lancashire for the various Life Saving Examination.

Evening Classes for recreative physical training classes are held for youths (girls and boys) at Harrison Gymnasium and Barton Street Gymnasium.

Milk Supplied in Schools. During the year, 2,274,784 bottles (each bottle containing $\frac{1}{3}$ pint) were supplied to children free of charge, including 55,401 bottles to children attending Blackamoor Open Air School.

Provision of Meals for School Children. During 1950, a total of 1,553,143 meals were supplied in all schools.

I am indebted to the Director of Education for the following comments and menus for summer and winter which are followed, as far as supplies of food allow, in the school kitchens, including the Blackamoor Open Air School Kitchen.

During term, an average of 562 meals per day have been supplied free of charge, whilst an average of 7,450 meals per day have been supplied on payment.

During school holidays the daily averages were 201 and 170 respectively.

Menus. The menus in schools during the year 1950 have been in line with the Ministry of Education's recommendations. The central kitchens have, so far as has been possible kept to a three week's menu prepared by the Organiser which is varied according to the climatic conditions. The full amount of rationed foods has been taken up by all the kitchens and all food supplies have, on the whole, been satisfactory.

Dietary for Winter Months.

1st Week.

Monday Steak and Kidney Pie
Rice Pudding.

Tuesday Cottage Pie
Steamed Syrup Sponge
and Custard

Wednesday Hot Roast Meat
Apple Tart and Custard

Thursday Meat Pie—Cabbage
Trifle

Friday Ham and Salad.
Salad Dressing.
Baked Sponge and Custard

2nd Week.

Stew and Dumplings
Mixed Vegetables
Jam Tart and Custard

Potato Pie and Beetroot
Stewed Fruit and Custard
Cheese Biscuits

Braised Steak and Onions
Cabbage
Steamed Pudding and
White Sauce

Hot Roast Meat and
Roast Potatoes
Milk Pudding with Dates or
Sultanas

Fish — Slice of Tomato
Peas — White Sauce
Jam Roly-poly — Custard

3rd Week.

Steak and Kidney Pie
Semolina Pudding and Jam or
Orange juice jelly

Hot Roast Meat
Bakewell Tart and Custard

Cottage Pie — Cabbage
Blancmange (2 flavours)
Piece of Cake

Ham and Salad
Salad Dressing
Steamed Pudding and Custard

Potato Pie — Beetroot
Stewed Fruit and Custard
Shortbread

4th Week.

Braised Steak and Onions
Steamed Pudding and
White Sauce

Steamed Meat Roll
Fruit in Jelly and Custard

Stew — Mixed Vegetables
Baked Sponge and Custard

Cheese Pie
Spaghetti in tomato — Cabbage
Rice Pudding

Hot Roast Meat — Cabbage
Raisin Slice and Custard

Dietary for Summer Months.

1st Week.

1. Brown Stew.
Boiled potatoes.
Root vegetables.
Milk pudding and fruit or Jam tart or Valencia Mould.
2. Beef Galatine, Gravy.
Mashed Potatoes.
Salad with salad dressing.
Chocolate Steamed pudding.
Custard.

2nd Week.

1. Corned Beef (sliced), Gravy.
Mashed potatoes.
Pulse vegetables.
Steamed sponge pudding and jam sauce.
2. Shepherd's pie, Gravy.
Root vegetables.
Jam or syrup tart and custard.

3rd Week.

1. Haricot mutton, dumplings.
Potatoes, Root Vegetables.
Orange jelly with sponge cake and custard.
2. Cornish Pasties, Gravy.
Roast or boiled potatoes.
Salad.
Baked or raw apples and custard or Stewed fruit and cornflour mould or milk pudding.

3. Meat or vegetable pasties, Gravy.
Boiled potatoes.
Pulse vegetables.
Eve's pudding and custard.

3. Minced roll (hot or cold), gravy.
Boiled potatoes, Salad with dressing.
Orange jelly with fruit, or gingerbread or Crunchies, or milk pudding.

3. Roast meat, Gravy.
Roast or boiled potatoes.
Green vegetables.

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Fruit pudding (suet pastry) with white sauce, or Jam roll and custard.

4. Roast meat, Gravy.
Boiled or roast potatoes.
Green vegetables.
Sponge cake with stewed fruit or orange jelly.

4. Roast meat or ham, gravy.
Roast or Boiled potatoes.
Green vegetables.
Trifle.

4. Beef Steak and kidney pudding, Gravy.
Boiled potatoes, Root Vegetables.
Apple Amber pudding or Milk pudding or Stewed Fruit and custard.

5. Baked Fish or Salmon Mould,
Parsley Sauce.
Mashed potatoes.
Spaghetti or beans in tomato.
Bakewell tart or fruit charlotte, custard.

5. Cheese Pie or Vegetable and Cheese Hot Pot.
Boiled potatoes.
Cauliflower or Swedes.
Cornflour Mould with Rhubarb tart or Tart with stewed fruit in season.

5. Fish Cakes and parsley sauce, or Sausage and Gravy.
Potatoes, Beans or spaghetti in tomato.
Fig or Date pudding and custard.

Table 16.

Heights and Weights 1950

| Year of Birth | BOYS | | | GIRLS | | |
|---------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|
| | No. Examined | Average Height in Inches | Average Weight in Pounds | No. Examined | Average Height in Inches | Average Weight in Pounds |
| 1934 | — | — | — | 74 | 63 $\frac{3}{4}$ | 114 $\frac{1}{2}$ |
| 1935 | 414 | 60 | 94 $\frac{3}{4}$ | 461 | 60 $\frac{1}{4}$ | 106 $\frac{1}{2}$ |
| 1936 | — | — | — | 19 | 60 $\frac{1}{4}$ | 112 $\frac{1}{2}$ |
| 1937 | — | — | — | — | — | — |
| 1938 | 127 | 54 | 74 $\frac{1}{2}$ | 84 | 55 $\frac{1}{4}$ | 75 $\frac{3}{4}$ |
| 1939 | 423 | 54 $\frac{1}{2}$ | 76 $\frac{3}{4}$ | 483 | 54 | 73 $\frac{1}{2}$ |
| 1940 | 14 | 53 $\frac{1}{4}$ | 76 | 8 | 53 $\frac{1}{2}$ | 73 $\frac{1}{4}$ |
| 1941 | — | — | — | — | — | — |
| 1942 | 13 | 48 $\frac{1}{4}$ | 53 $\frac{3}{4}$ | 13 | 47 $\frac{1}{2}$ | 61 |
| 1943 | 23 | 48 $\frac{1}{4}$ | 51 $\frac{1}{2}$ | 27 | 47 | 50 $\frac{3}{4}$ |
| 1944 | 70 | 45 $\frac{1}{2}$ | 47 $\frac{3}{4}$ | 51 | 45 $\frac{1}{2}$ | 45 $\frac{1}{4}$ |
| 1945 | 243 | 44 $\frac{3}{4}$ | 42 $\frac{1}{2}$ | 245 | 42 | 41 $\frac{1}{2}$ |
| 1946 | 313 | 40 $\frac{1}{4}$ | 38 $\frac{1}{4}$ | 302 | 39 $\frac{1}{4}$ | 39 $\frac{1}{4}$ |
| 1947 | 111 | 38 $\frac{1}{4}$ | 28 $\frac{1}{4}$ | 104 | 38 $\frac{1}{4}$ | 29 |

MINISTRY OF EDUCATION. MEDICAL INSPECTION RETURNS.
YEAR ENDED 31st DECEMBER 1950

Table 17.

MEDICAL INSPECTION OF PUPILS ATTENDING MAINTAINED
PRIMARY AND SECONDARY SCHOOLS

A—PERIODIC MEDICAL INSPECTIONS

Number of Inspections in the prescribed Groups:

| | | | | | |
|--------------------------------|-----|-----|-----|-----|------|
| Entrants | ... | ... | ... | ... | 1748 |
| Second Age Group | ... | ... | ... | ... | 1246 |
| Third Age Group | ... | ... | ... | ... | 919 |
| | | | | | — |
| Total | ... | ... | ... | ... | 3913 |
| | | | | | — |
| Number of Periodic Inspections | ... | ... | ... | ... | 100 |
| | | | | | — |
| Grand Total | ... | ... | ... | ... | 4013 |
| | | | | | — |

B.—OTHER INSPECTIONS

| | | | | |
|-------------------------------|-----|-----|-----|------|
| Number of Special Inspections | ... | ... | ... | 2107 |
| Number of Re-Inspections | ... | ... | ... | 5334 |
| | | | | — |
| Total | ... | ... | ... | 7441 |
| | | | | — |

C.—PUPILS FOUND TO REQUIRE TREATMENT

Number of Individual Pupils found at Periodic Medical Inspection to Require Treatment (excluding Dental Diseases and Infestation with Vermin).

| Group | For defective vision (ex'd'ng squint) | For any of the other conditions recorded in Table 20A | Total individual pupils |
|----------------------------|---------------------------------------|---|-------------------------|
| (1) | (2) | (3) | (4) |
| Entrants | 6 | 211 | 214 |
| Second Age Group | 96 | 106 | 208 |
| Third Age Group | 80 | 75 | 154 |
| Total (prescribed groups) | 182 | 392 | 576 |
| Other Periodic Inspections | 4 | 11 | 15 |
| Grand Total | 186 | 403 | 591 |

Table 18.

A. RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION

| Defect Code No. | Defect or Disease (1) | PERIODIC INSPECTIONS | | SPECIAL INSPECTIONS | |
|-----------------|------------------------------|--------------------------------|---|--------------------------------|---|
| | | No. of Defects | | No. of Defects | |
| | | Requiring treatment (2) | Requiring to be kept under observation but not requiring treatment (3) | Requiring treatment (4) | Requiring to be kept under observation but not requiring treatment (5) |
| 4. | Skin | 14 | 41 | 2 | — |
| 5. | Eyes —a. Vision ... | 186 | 38 | 73 | 11 |
| | b. Squint ... | 38 | 35 | 20 | 1 |
| | c. Other ... | 11 | 12 | 14 | 1 |
| 6. | Ears —a. Hearing ... | 26 | 7 | 6 | 1 |
| | b. Otitis Media | 16 | 17 | 1 | 1 |
| | c. Other ... | 1 | 3 | 2 | 2 |
| 7. | Nose or Throat | 130 | 258 | 134 | 9 |
| 8. | Speech | 10 | 15 | 3 | — |
| 9. | Cervical Glands | 2 | 54 | 1 | 3 |
| 10. | Heart and Circulation | 55 | 43 | 9 | — |
| 11. | Lungs | 28 | 133 | 39 | 1 |
| 12. | Developmental— | | | | |
| | a. Hernia ... | — | 15 | 1 | — |
| | b. Other ... | 2 | 13 | 22 | 3 |
| 13. | Orthopaedic— | | | | |
| | a. Posture ... | 19 | 43 | 7 | — |
| | b. Flat Foot | 13 | 14 | 8 | — |
| | c. Other... .. | 23 | 45 | 5 | 1 |
| 14. | Nervous System— | | | | |
| | a. Epilepsy ... | — | 4 | — | — |
| | b. Other ... | 1 | 9 | 4 | 2 |
| 15. | Psychological— | | | | |
| | a. Development | — | 7 | — | — |
| | b. Stability ... | 2 | 7 | 2 | — |
| 16. | Other | 12 | 22 | 49 | 3 |

Table 19.

TREATMENT OF PUPILS ATTENDING MAINTAINED PRIMARY AND SECONDARY SCHOOLS (INCLUDING SPECIAL SCHOOLS.

GROUP 1.—DISEASES OF THE SKIN (excluding uncleanliness, for which see Table 21)

| | Number of cases treated or under treatment during the year | |
|----------------------------|--|-----------|
| | by the Authority | otherwise |
| Ringworm— (i) Scalp | 14 | — |
| (ii) Body | 2 | — |
| Scabies | 16 | — |
| Impetigo | 16 | — |
| Other skin diseases | 41 | — |
| Total | 89 | — |

GROUP 2.—EYE DISEASES, DEFECTIVE VISION AND SQUINT

| | Number of cases dealt with | |
|--|----------------------------|-----------|
| | by the Authority | otherwise |
| External and other, excluding errors of refraction and squint | 23 | ... |
| Errors of Refraction (including squint) | 997* | ... |
| Total | 1020 | ... |
| Number of pupils for whom spectacles were | | |
| (a) Prescribed | 677* | ... |
| (b) Obtained | 542* | ... |

* Including cases dealt with under arrangements with the Supplementary Ophthalmic Services.

GROUP 3.—DISEASES AND DEFECTS OF EAR, NOSE AND THROAT.

| | Number of cases treated | |
|--|-------------------------|-----------|
| | by the Authority | otherwise |
| Received operative treatment | | |
| (a) for diseases of the ear | — | 25 |
| (b) for adenoids and chronic tonsillitis | — | 452 |
| (c) for other nose and throat conditions | — | 15 |
| Received other forms of treatment ... | — | 130 |
| Total | — | 622 |

GROUP 4.—ORTHOPÆDIC AND POSTURAL DEFECTS

| | | |
|---|------------------|-----------|
| (a) Number treated as in-patients in hospitals | 20 | |
| | By the Authority | Otherwise |
| (b) Number treated otherwise, <i>e.g.</i> , in clinics or out-patient departments | 166 | — |

GROUP 5.—CHILD GUIDANCE TREATMENT

| | Number of cases treated | |
|---|--|-----------|
| | In the Authority's Child Guidance Clinics | Elsewhere |
| Number of pupils treated at Child Guidance Clinics | — | 7 |

GROUP 6.—SPEECH THERAPY

| | Number of cases treated | |
|--|-------------------------|-----------|
| | By the Authority | Otherwise |
| Number of pupils treated by Speech Therapists | — | — |

GROUP 7.—OTHER TREATMENT GIVEN

| | Number of cases treated | |
|--------------------------------------|-------------------------|-----------|
| | By the Authority | Otherwise |
| (a) Miscellaneous minor ailments ... | 1410 | — |
| (b) Other (specify) | | |
| 1. Orthoptics | 234 | — |
| 2. Sunlight | 109 | — |
| Total ... | 1753 | — |

B. CLASSIFICATION OF THE GENERAL CONDITION OF PUPILS INSPECTED
DURING THE YEAR IN THE AGE GROUPS

| Age Groups | Number of Pupils Inspected | A (Good) | | B (Fair) | | C (Poor) | |
|--------------------------------|----------------------------|-------------|-------------|------------|-------------|-----------|-------------|
| | | No. | % of col. 2 | No. | % of col. 2 | No. | % of col. 2 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Entrants | 1748 | 1596 | 91.3 | 151 | 8.6 | 1 | 0.1 |
| Second Age Group | 1246 | 1119 | 89.8 | 123 | 9.9 | 4 | 0.3 |
| Third Age Group | 919 | 748 | 81.4 | 166 | 18.1 | 5 | 0.5 |
| Other Periodic Inspections ... | 100 | 74 | 74.0 | 25 | 25.0 | 1 | 1.0 |
| Total | 4013 | 3537 | 88.1 | 465 | 11.6 | 11 | 0.3 |

Table 20.

DENTAL INSPECTION AND TREATMENT.

| | | | | | | | |
|--|-----------------|-----|-----|-----|-----|-------------------|-------|
| (1) Number of pupils inspected by the Authority's Dental Officers— | | | | | | | |
| (a) Periodic age groups | ... | ... | ... | ... | ... | ... | 12488 |
| (b) Specials | ... | ... | ... | ... | ... | ... | 1660 |
| (c) TOTAL (Periodic and Specials) | ... | .. | ... | ... | ... | ... | 14148 |
| | | | | | | | |
| (2) Number found to require treatment | ... | ... | ... | ... | ... | ... | 7772 |
| (3) Number referred for treatment | ... | ... | ... | ... | ... | ... | 7772 |
| (4) Number actually treated | ... | ... | ... | ... | ... | ... | 5913 |
| (5) Attendances made by pupils for treatment | ... | ... | ... | ... | ... | ... | 8355 |
| | | | | | | | |
| (6) Half-days devoted to : | (a) Inspection | ... | ... | ... | ... | ... | 125 |
| | (b) Treatment | ... | ... | ... | ... | ... | 1190 |
| | | | | | | Total (a) and (b) | 1315 |
| | | | | | | | |
| (7) Fillings : | Permanent Teeth | ... | ... | ... | ... | ... | 3032 |
| | Temporary Teeth | ... | ... | ... | ... | ... | 245 |
| | | | | | | Total | 3277 |

Table 22.

HANDICAPPED PUPILS REQUIRING EDUCATION AT
SPECIAL SCHOOLS OR BOARDING IN BOARDING HOMES.

LOCAL EDUCATION AUTHORITY : BLACKBURN COUNTY BOROUGH. YEAR 1950.

| | (1) Blind (2) Partially sighted | | (3) Deaf (4) Partially Deaf | | (5) Delicate (6) Physically Handicapped | | (7) Educa- tionally sub- normal ; (8) Maladjusted | | (9) Epil- eptic | TOTAL 1—9 |
|---|---------------------------------------|-----|-----------------------------------|-----|---|-----|--|-----|-----------------------|--------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| In the calendar year :— | | | | | | | | | | |
| A. Handicapped Pupils <i>newly placed</i> in Spec- ial Schools or Homes | 1 | — | 1 | — | 64 | 1 | 3 | 4 | — | 74 |
| B. Handicapped Pupils <i>newly ascertained</i> as requiring education at Special Schools or boarding in Homes | 1 | — | 1 | — | 57 | 1 | 13 | 4 | — | 77 |

Number of children reported during the Calendar Year under
Section 57(3)..... 11and under Section 57(4)..... 3
of the Education Act, 1944.

| | (1) Blind (2) Partially sighted | | (3) Deaf (4) Partially Deaf | | (5) Delicate (6) Physically Handicapped | | (7) Educa- tionally sub- normal; (8) Maladjusted | | (9) Epileptic | TOTAL 1—9 |
|--|---------------------------------------|-----|-----------------------------------|-----|---|-----|---|-----|------------------|--------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| On or about December 1st :— | | | | | | | | | | |
| C. Number of Handi- capped Pupils from the area— | | | | | | | | | | |
| (i) attending Special Schools as Day Pupils | — | 14 | — | — | 169 | 8 | — | — | — | 191 |
| Boarding Pupils... | 5 | — | 9 | — | — | — | 7 | 5 | 3 | 29 |
| (ii) Boarded in Homes | — | — | — | — | — | — | — | — | — | — |
| (iii) attending assisted schools (under ap- proved arrange- ments)..... | — | — | — | — | — | — | — | — | — | — |
| TOTAL (C) | 5 | 14 | 9 | — | 169 | 8 | 7 | 5 | 3 | 220 |
| D. Number of Handi- capped Pupils being educated under arrangements made under Section 56 of the Education Act, 1944— | | | | | | | | | | |
| (a) in hospitals ... | — | — | — | — | — | — | — | — | — | — |
| (b) elsewhere | — | — | — | — | — | — | — | — | — | — |
| E. Number of Handi- capped Pupils from the area requiring places in special schools (including any such unplaced children who are temporarily receiv- ing home tuition). | — | — | — | — | — | — | 42 | 6 | — | 48 |



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