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Contributors

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INSTITUTE OF SOCIAL
MEDICINE

10, PARKS ROAD,
OXFORD

NORTH RIDING OF YORKSHIRE COUNTY COUNCIL
EDUCATION COMMITTEE

ANNUAL REPORT

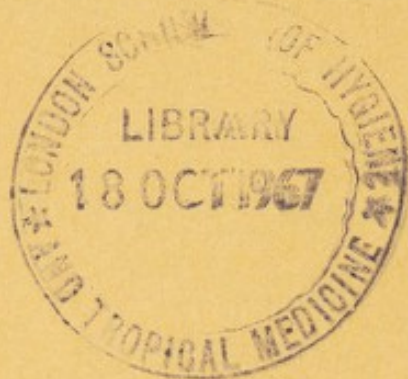
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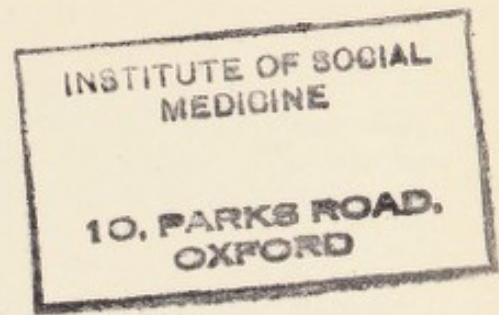
School Medical Officer

FOR THE YEAR

1949

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NORTH RIDING OF YORKSHIRE COUNTY COUNCIL
EDUCATION COMMITTEE

ANNUAL REPORT

OF THE

School Medical Officer

FOR THE YEAR

1949

INTRODUCTION.

To the Members of the North Riding Education Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to submit my report on the school health service for the year 1949. It has been prepared on the same lines as the report of previous years and the report of the divisional school medical officer on the service in the area of the Scarborough Divisional Executive is appended. Except where otherwise stated the figures given in this report do not relate to schools in the Scarborough Division.

There were several changes in the professional staff during the year and in the latter six months we were fortunate in having all ten divisions of the County served by a district medical officer with responsibilities to the local education authority, local health authority, and one or more local sanitary authorities.

All reports from medical officers inspecting school children confirm that the general level of health in the school population was maintained. A decrease in the number of pupils found to require treatment for disease or defect was noted in all age groups and there was a drop in the number of children classified as being in poor general condition.

The national health service has relieved the authority of considerable expenditure on the provision of hospital treatment and specialist services but has not provided anything for the individual school child which he could not obtain more easily before the Act took effect. Hospital waiting lists are longer, spectacles are more difficult to obtain, and except in cases of infectious disease, exchange of information between hospital and school health service does not exist.

Verminous conditions showed a welcome decrease but there was a disturbing increase in the incidence of ringworm.

The school dental service operated under a severe handicap due to lack of staff and a tremendous amount of dental work is outstanding. Orthodontic work developed satisfactorily but was not emphasised at the expense of conservative dentistry.

Clinics were improved and equipment was obtained as available but there is still a great need to improve the facilities in rural areas. The mobile dental clinics proved most useful but had their limitations in villages where suitable parking space could not be found.

An improvement was noted in the condition of many schools following redecoration and repair, although much remains to be done to provide satisfactory conditions of hygiene and sanitary services, particularly in rural schools.

In conclusion I should like to record my appreciation of the loyal assistance given to me by all members of the staff in the school health service and my thanks for the co-operation and valued support extended by the staff of the education department and the head teachers of schools during the year ; in particular I wish to thank my deputy, Dr. G. Walker, who has been mainly responsible for the drafting of this Report.

J. A. FRASER,
School Medical Officer.

County Hall,
Northallerton.

October, 1950.

I. GENERAL STATISTICS.

The Education Committee are responsible for primary and secondary education throughout the administrative county but certain functions relating to primary and secondary education are exercised by the Scarborough divisional executive in the area of the division, namely the municipal borough of Scarborough, the urban district of Scalby and the rural district of Scarborough.

Subject to the general direction of the Committee, the school health service in the Scarborough division is administered by the divisional executive and in this report statistics do not relate to the division unless specially mentioned as including the latter. For a complete picture of the services of the authority this report should be read in conjunction with the divisional school medical officer's report appended hereto.

Population of the administrative county (mid-year 1949)	..	353,787
No. of children on registers, primary schools, January, 1950	..	36,516
No. of primary schools, January, 1950	.. ..	325
No. of children on registers, secondary schools, January, 1950	..	11,380
No. of secondary schools, January, 1950	.. ..	40

These figures include Scarborough division.

II. STAFF.

(i) Medical Officers.

The medical staff engaged on administrative or clinical duties in the school health service during the year was as follows.

J. A. FRASER, M.B., CH.B., D.P.H., School Medical Officer.

G. WALKER, M.B., CH.B., M.R.C.P. (E.), D.P.H., Deputy School Medical Officer.

MARGARET D. CAIRNS, M.B., CH.B., D.P.H., Assistant School Medical Officer.

DORIS M. TODD, M.B., B.S., M.R.C.S., L.R.C.P., Assistant School Medical Officer.

MARGARET MULVEIN, M.B., CH.B., Assistant School Medical Officer.

F. D. ROSS-KEYT, M.B., CH.B., D.P.H., (resigned 30-6-1949). J. W. A. RODGERS, M.B., CH.B., D.P.H. (appointed 1-7-1949), Assistant School Medical Officer, also Medical Officer of Health, Borough of Thornaby-on-Tees.

J. A. DUNLOP, M.B., CH.B., D.P.H., Assistant School Medical Officer, also Medical Officer of Health, Eston U.D.

N. M. MACDONALD, M.B., CH.B., D.P.H., Assistant School Medical Officer, also Medical Officer of Health, Borough of Redcar, and Saltburn and Marske U.D.

MEDICAL OFFICERS—*continued.*

- W. H. BUTCHER, M.D., D.P.H., Assistant School Medical Officer, also Medical Officer of Health, Guisborough U.D., Loftus U.D., and Skelton and Brotton U.D.
- R. A. READ, M.B., CH.B., D.P.H. (resigned 17-4-1949), B. SCHROEDER, M.B., CH.B., D.P.H. (appointed 22-6-1949), Assistant School Medical Officer, also Medical Officer of Health, Whitby U.D. and Whitby R.D.
- W. R. M. COUPER, M.B., CH.B., D.P.H. (appointed 9-7-1949), Assistant School Medical Officer, also Medical Officer of Health, Pickering U.D. and Pickering R.D.
- F. D. ROSS-KEYT, M.B., CH.B., D.P.H. (appointed 1-7-1949), Assistant School Medical Officer, also Medical Officer of Health, Flaxton R.D.
- W. SHARPE, M.B., CH.B., D.P.H., B.SC. (appointed 11-7-1949), Assistant School Medical Officer, also Medical Officer of Health, Northallerton R.D. and Leyburn R.D.
- W. FERGUSON, M.B., CH.B., D.P.H. (appointed 18-1-1949, resigned 25-6-1949).
- A. PRIESTMAN, M.B., CH.B., D.P.H. (appointed 18-7-1949), Assistant School Medical Officer, also Medical Officer of Health, Borough of Richmond, Richmond R.D., Croft R.D., and Startforth R.D.

Scarborough Division.

- J. STOKOE, M.D., B.S., B.HY., D.P.H., Divisional School Medical Officer, also Medical Officer of Health, Borough of Scarborough, Scalby U.D., and Scarborough R.D.
- ELIZABETH R. CAMERON, M.B., CH.B., D.P.H., Assistant School Medical Officer.

(ii) Dental Surgeons.

- S. CRAVEN, L.D.S., Chief Dental Officer.
- A. D. CLARK, L.D.S.
- C. E. PLACE, L.D.S.
- P. W. THORNTON, L.D.S.
- I. J. FAULDS, L.D.S.
- C. G. LINGFORD, L.D.S., M.R.C.S., L.R.C.P. (appointed School Dental Anaesthetist 1-3-1949).
- J. I. MUNRO, L.D.S., R.C.S. (resigned 31-1-1949).
- MISS D. M. BATEMAN, B.CH.D., L.D.S., R.C.S.

Scarborough Division.

- J. C. CARR, L.D.S., R.C.S.
- D. BEWES ATKINSON, L.D.S., Part-time.

(iii) Specialist Officers. (Part-time).

* Ophthalmic Surgeons	.. J. P. HIGHAM, M.B., B.S., L.M.S.S.A. J. ELLISON, M.R.C.S., L.R.C.P.
* Aural Surgeons	.. J. B. T. KESWICK, M.B., CH.B. W. O. LODGE, M.D., F.R.C.S.
* Orthopaedic Surgeon	.. H. L. CROCKATT, M.B., CH.B.
* Psychiatrist	.. M. C. GORDON, M.B., CH.B., D.P.M.

(iv) Speech Therapist.

Scarborough Division	.. vacancy.
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(v) School Nurses.

The superintendent school nurse is also the superintendent health visitor and non-medical supervisor of midwives for the County Council as Local Health Authority.

There were 22 nurses on the whole-time staff engaged on preventive health services and of these 16 were engaged on health visiting as well as school nursing.

**Superintendent School
Nurse**

MISS G. BERRIDGE, S.R.N., S.C.M., A.R.S.I.

**Assistant Superintendent
School Nurses**

MISS E. BESTFORD DUNN, S.R.N., S.C.M.,
H.V. Certif. (resigned 14-4-1949).

MISS D. MILLER, S.R.N., S.C.M., H.V. Certif.
(appointed 14-2-1949).

MISS F. S. LEADER, S.R.N., S.C.M., H.V. Certif.
(appointed 4-7-1949).

School Nurses

..	A. E. BARRY, S.R.N., S.C.M., H.V. Certif.
	D. M. BIRD, S.C.M., H.V. Certif.
	E. CROFT, S.R.N., S.C.M.
	W. GARDINER, S.R.N., S.C.M., H.V. Certif.
	N. GARNES, S.R.N., S.C.M.
	A. GARTHWAITE, S.R.C.N., C.R.S.I.
	E. M. HURLEY, S.R.N., S.C.M., H.V. Certif.
	C. A. JONES, S.R.N., S.C.M., H.V. Certif.
	A. C. NICOLL, S.R.N., H.V. Certif.
	H. PRATT, S.R.N., S.C.M., H.V. Certif.
	E. SNAITH, S.R.N., S.C.M.
	M. S. BENSON, S.R.N., S.C.M., H.V. Certif.
	V. H. MAZZEY, S.R.N., S.C.M., H.V. Certif.
	S. M. CODLING, S.R.N., S.C.M., H.V. Certif., (resigned 3-7-1949).

* Services supplied by the Regional Hospital Boards.

SCHOOL NURSES—*continued.*

W. FICK, S.R.N., S.C.M., H.V.Certif. (resigned 31-8-1949).

E. ARMSTRONG, S.R.N., S.C.M., H.V.Certif.

R. Tindall, S.R.N., S.C.M., H.V.Certif.

F. SMITH, S.R.N., S.C.M., H.V.Certif.

H. M. BELL, S.R.N., S.C.M., H.V.Certif.
(appointed 29-8-1949).

S. R. TAYLOR, S.R.N., H.V.Certif. (appointed 11-7-1949).

Scarborough Division .. R. E. PARKER, S.R.N. (retired 31-12-1949).
H. B. TAYLOR, S.R.N.
L. DAWSON, S.R.N., S.C.M., H.V.Certif.

In the rural areas school nursing was undertaken by 76 nurses employed on home visiting, midwifery, and health visiting, *i.e.*, generalised duties.

The total equivalent of whole-time school nurses for the whole county was 25.

vi) Dental Mechanics.

R. G. HANSOM (appointed 4-1-1949).

G. STAMPER (resigned 28-5-1949).

vii) Dental Attendants.

MRS. M. M. HODGSON.

MISS D. MORTON.

MRS. O. NELSON.

MISS S. M. ROWE (resigned 31-10-1949).

MRS. V. E. CRANE.

MRS. J. M. BRAMLEY.

MISS J. E. CLARK.

MISS S. M. MEYNELL.

Scarborough Division .. MISS N. D. V. STOCKILL.

viii) Chief Clerk .. MR. H. A. ROEBUCK, D.P.A.

III. MEDICAL INSPECTION OF PUPILS AT PRIMARY AND SECONDARY SCHOOLS.

(i) General.

On 31st December, 1949, there were 325 primary schools in the county including Scarborough; the number of departments was 356. There were 40 secondary schools.

After 5th July, 1948, the committee were responsible for providing education for pupils in hospital schools, which were previously provided by tuberculosis authorities and the governing bodies of certain long-stay voluntary hospitals.

The hospital schools in the Riding are as follows :—

	Number of Places	Age Range	Number of pupils (December, 1949)
Adela Shaw Orthopaedic Hospital Kirbymoorside	125	3-16	80
Northallerton Orthopaedic Hospital	100	2-16	42
Thornton Lodge Sanatorium Aysgarth	40	3-16	22
Poole Sanatorium	58	3-16	34

(ii) School Hygiene.

Assistant school medical officers, when visiting schools for routine medical inspections, reported on school premises and matters relating to environmental hygiene. Defects of fittings or equipment of 191 schools were brought to the notice of the secretary for education by the school medical officer.

Much work was done during the year in redecorating and repairing school premises with beneficial results to pupils and staff. The standard of caretaking varied considerably but in general was higher than before. Many rural schools still have inadequate water supplies and sanitary facilities and the teaching of personal hygiene in such circumstances were precept and example are poles apart is a most difficult task.

Mention should be made here of the poor facilities provided in most schools for the work of the medical and nursing staff. Usually there is no medical room at all and the head teacher is turned out to make a room available. Where a medical inspection room is provided it is not always situated in the best part of the school with the result that doctors have to work under adverse conditions which are not conducive to the best work.

(iii) Medical Inspection.

As in 1948 it was not possible in all areas to inspect all pupils in the five age groups which the committee decided should be inspected. Accordingly attention was concentrated on the prescribed age groups (entrants, leavers primary, and leavers secondary), and the 7-8 and 12-13 age groups were inspected if time permitted.

FINDINGS OF MEDICAL INSPECTION.

Diseases and Defects.

Of the 19,587 children seen at periodic medical inspections, 3,877 were found to be suffering from a defect or disease (other than dental diseases and infestation with vermin). This represents 19.79% of all pupils inspected, and is lower than the corresponding figure for the previous year namely 21.85%. The decrease affected all age groups but was greatest amongst the children in the second age group.

The following table shows the number of pupils inspected and the number found to require treatment.

Group	Number of Pupils	
	Inspected	Found to require treatment (excluding dental diseases and infestation with vermin)
Entrants	4,162	884 (21.24%)
Second age group	4,419	736 (16.66%)
Third age group	3,311	661 (19.96%)
Total (prescribed groups) ..	11,892	2,281 (19.18%)
Other periodic inspections ..	7,695	1,596 (20.74%)
Grand Total	19,587	3,877 (19.79%)

Table II on page 24 shows details of the conditions found at medical inspection.

General Condition.

The number of pupils classified as being in poor general condition amounted to 1.92% of the county as a whole and 1.34% in the Scarborough division. * These figures are lower in each case than the corresponding figures for 1948. The percentage of children in poor condition is highest in the entrants and becomes progressively lower in the succeeding age groups. Usually there is some chronic ailment present in these children which is responsible for them being down graded. The standard of nutrition is generally high and cases of under-nutrition are seldom seen.

The schools meals service can claim a great deal of credit for this satisfactory position. In October 1949 there were 28,205 pupils taking school meals compared with 27,898 in 1948 and 25,900 in 1947. During the year there were no cases of sickness which might be attributed to the mid-day meal at school and this is a tribute to the care and precautions taken in the preparation, cooking and distribution of the dinners. The following tables shows the extent of the committee's catering activities in 1949.

No. of children taking meals at school in October, 1949.

		Free	For Payment
SECONDARY			
Scarborough division	..	235	1,429
Remainder of Riding	..	792	5,048
PRIMARY			
Scarborough division	..	406	1,582
Remainder of Riding	..	2,735	15,978
Total	..	4,168	24,037

No. of children taking milk in school in October, 1949.

Scarborough	Primary	..	..	3,400
"	Secondary	..	..	1,764
Remainder of Riding	Primary	..	..	24,924
"	Secondary	..	..	6,046
Total		..	..	36,134

Cleanliness.

In all, 2,567 visits were paid to schools by nurses carrying out cleanliness surveys and 162,468 examinations were made. There were 2,484 home visits made in following up cases of infestation found at these surveys. Most of the children seen at medical inspections were clean, although in one area of the Riding the inspecting medical officer reported that approximately 10% was physically dirty and this state of affairs was attributed to poor housing conditions and lack of hot water at home.

Vermineous conditions were less frequently seen and there was a welcome reduction in the number of cases of scabies and impetigo.

The incidence of ringworm was much higher than in 1948. The number of cleansing notices issued under section 54 (2) of the Education Act 1944 was 19.

Clothing and Footwear.

On the whole, clothing and footwear were of a satisfactory standard and adequate in quantity.

Following Up.

The school nursing service continued to play an important part in the scheme for medical inspection and treatment of the school population.

The school nurses attended inspections in schools and followed up cases in which treatment was advised in order to encourage and if necessary assist parents to obtain proper attention for their children. In this connection

tion 5,934 domiciliary visits were made and details of the defects and visits are shown below.

Condition	No. of defects found for which treatment was considered necessary	No. of home visits by School Nurses
Cleanliness of head	10	24
Cleanliness of body	3	7
Nutrition	16	30
Nose and Throat	998	1,291
External Eye Disease	36	60
Ear Disease	53	82
Teeth	10	9
Heart and Circulation	49	74
Lungs	93	102
Nervous System	17	42
Skin	36	62
Ringworm	4	5
Rickets	—	—
Deformities	106	155
Tuberculosis	25	26
Speech	7	8
Mental Condition	7	12
Vision and Squint	2,863	3,850
Hearing	25	29
Miscellaneous	58	66
Total ..	4,416	5,934

NOTE—Some of these cases are carried over from 1948 so that the totals do not coincide with those in the table at the end of the report; the latter apply only to the year 1949.

TREATMENT OF DEFECTS.

The year under review was the first full year of the national health service and it is clear that the school population gained little by the change. Free hospital treatment was available to them before the 5th July, 1948, and was often more expeditiously obtained for defects such as enlarged tonsils and adenoids than it is now.

There was no dramatic decrease in the attendances at minor ailment clinics provided by the local education authority, in fact the total number of attendances in 1949 for 21,925 compared with 20,463 in 1948 and 19,338 in 1947.

Specialist clinics were available as before but the specialists were remunerated by the regional hospital boards instead of the local education authority.

Table II of the statistical summary at the end of this report sets out details of the defects found at routine inspection and Table III deals with defects treated.

Minor Ailments.

School clinic sessions were held twice weekly at the following centres :—

Carlin How	Grangetown
Redcar	South Bank
Thornaby	Whitby

and once weekly at Guisborough, Lingdale, Saltburn, and New Skelton.

The school clinics were largely used for the treatment of minor ailments and defects which would otherwise have been neglected and allowed to go untreated.

Details of the work done are given in the table below from which it will be seen that minor injuries and skin conditions predominated. A striking increase in attendances for ringworm was noted, namely 2,038 as compared with 1,114 in 1948. In this connection it should be mentioned that there were no facilities for epilation by x-rays available to children in the Cleveland area.

Condition for which children attended the School Clinic					Number of first visits	Number of re-visits
Scabies	..	..	..	..	65	69
Impetigo	..	..	..	..	224	513
Ringworm Head	..	..	..	..	406	1,114
„ Body	..	..	..	..	167	351
Verminous conditions	..	..	..	..	679	899
Minor Injuries	..	..	..	..	1,586	1,828
External Eye Disease	..	..	..	..	508	659
Ear Discharge and Deafness	..	..	..	..	345	889
Nose and Throat	..	..	..	..	231	98
Vision	..	..	..	..	470	105
Heart and Circulation	..	..	..	..	56	56
Lungs	..	..	..	..	22	56
Nervous System	..	..	..	..	9	22
Tuberculosis	..	..	..	..	7	5
Skin (Non-Contagious)	..	..	..	..	777	1,490
Other conditions	..	..	..	..	2,977	3,352
Diphtheria Immunisation	..	..	..	..	469	387
Sun-Ray Treatment	..	..	..	..	58	976
Total					9,056	12,869

Visual Defects and External Diseases of the Eye.

At routine inspection there were 935 pupils found to require examination by the ophthalmic surgeons : in addition 146 pupils were referred for treatment of squint.

There were 219 clinic sessions held in various parts of the Riding, for the examination of children referred by the assistant school medical officers.

In all 1,575 children were examined : spectacles were prescribed in 1,324 cases and information is not available as to the number supplied during the year.

Enlarged Tonsils and Adenoids.

During the year under review 264 pupils received operative treatment for adenoids and chronic tonsilitis, while 186 pupils received other forms of treatment for nose and throat conditions, either through the authority's scheme or otherwise.

Ear Diseases.

Many cases of ear disease or defect were treated at the school clinics and there were 345 first attendances and 889 re-visits for such conditions made in 1949.

Twenty-one sessions of a special clinic were held at which a consultant otorhinolaryngologist examined or treated 296 pupils. The after-treatment was supervised by the school nurses.

Crippling Defects.

Crippling defects were treated at the Adela Shaw Orthopaedic Hospital, Kirbymoorside.

The following table shows the conditions and numbers of children treated as in-patients during the year.

Condition	No. of Children treated
Deformity of hands	1
Deformity of feet	27
Deformity of leg	5
Deformity of spine	1
Dislocation of hip	3
Infantile hemiplegia	7
Infantile paralysis	8
Infantile coxa vara	1
Old fractures & injuries	1
Torticollis	5
Spastic paraplegia	8
Spastic diplegia	1
Perthe's disease	3
Rickets	1
Arthritis	5
Spina bifida	2
Paresis left arm and leg	1
Ganglion of ankle	2
Achondroplasia	1
Faulty posture	1
Evulsion of internal epicondyle	1
Facial paralysis	1
Osteomyelitis right os calcis	1
Scarring of right thigh	1
Osteomyelitis and septic arthritis	1

There were 93 out-patient sessions held at the following centres compared with 89 in 1948. Attendances of 391 children amounted to 881, compared with 820 by 405 children in the previous year.

Orthopaedic Clinics.

Carlin How	Richmond
Kirbymoorside	Scarborough
Malton	South Bank
Northallerton	Thornaby
Redcar	York

Tuberculosis.

Children suspected to be suffering from tuberculosis in any form were referred for examination and treatment to the tuberculosis officers.

Ringworm of the Scalp.

In 1949 seven children were treated for ringworm of the scalp by x-ray epilation at Leeds General Infirmary.

THE SCHOOL DENTAL SERVICE.

Report by Mr. Craven, L.D.S., Chief Dental Officer.

There was a general decrease in the amount of work completed in 1949 when compared with the annual returns of the previous year, due to a decrease in the dental staff, Mr. Munro resigning from the South Bank area in January, 1949.

It is impossible for the reduced dental staff to visit the schools as regularly as would be desired particularly when one considers the increased demand for treatment through the school dental service and the larger percentage acceptance rate.

Although fewer fillings were completed during 1949 compared with the previous year (which was a record return) considerable effort was made to maintain a fair balance of the varied treatment offered under the school dental service. The fact that 8,478 fillings were completed during 1949 indicates that this branch of the service was by no means neglected, considering the reduced dental staff and the difficult working conditions obtaining in many rural areas.

I trust the committee will understand that if we suffer any further reductions in the dental staff we shall be obliged to curtail some of the more complicated dental treatment now being provided by the service, and concentrate largely on emergency dental treatment as operated during the war years. It would be very discouraging to the staff remaining in the service if such conditions were to arise, particularly when we have made such good headway in recent years in all round development, and have built up the equipment and facilities for a really comprehensive school dental service.

The most noteworthy development of the service for the year 1949 is shown in the figures quoted under "other operations" which rose from 4,011 in 1948 to 9,429 in 1949. These figures chiefly represent the work entailed in the provision of dentures and orthodontic appliances. Although we have not sufficient dental staff to undertake all the orthodontic cases presented, owing to pressure of emergency dental treatment, we have made a good start and in most cases have achieved very satisfying results. The three dental laboratories responsible for the mechanical work in the key centres at Northallerton, South Bank and Scarborough were completed during the year. These laboratories will be staffed and developed in proportion to the number of dental surgeons on the staff. The Northallerton dental laboratory continued throughout the year to provide the total mechanical output for the whole County. The laboratories are fully equipped and able to provide a most complete service which includes the provision of dentures, cast metal work of all kinds, and the various spring wire orthodontic appliances (both fixed and removable) made with electric spot welders. The following record of the mechanical work completed in the Northallerton

dental laboratory during the year 1949 gives a good idea of the work undertaken by the staff:—

Fixed Regulation Appliances	18	Removable Regulation	
Dentures for Children ..	133	Appliances ..	585
Oral Screens ..	76	Record Models ..	164
Gold Inlays ..	9	Dowel Crowns ..	1
X-rays Developed ..	267	Repaired Dentures ..	21

Obturator are provided for cases with cleft palate; and this work will later be extended in collaboration with the speech therapist.

The best material is used and the workmanship is of a high order.

The fixed dental clinics at South Bank, Redcar, Whitby and Scarborough were established and fully equipped with modern dental equipment during the year, and the two mobile clinics were kept in constant use in the rural areas of the County. The establishment of fully equipped fixed dental clinics, and the acquisition of the two mobile dental clinics have helped considerably to improve the working conditions for the dental surgeons, and provide the necessary comfort and additional facilities for the patients. I would urge the development of clinics in the more rural districts of the County, as we do not possess one single fixed clinic from which to operate in the whole of the dental areas of Richmond, Stokesley, Malton, Pickering, Bedale, and Easingwold. It is extremely difficult for the dental surgeons to maintain an efficient and comprehensive school dental service when understaffed, and having to operate under adverse working conditions.

INFECTIOUS DISEASES.

Medical officers of health initiated closure of two schools on account of measles.

During the year 29 children were excluded from school for short periods on account of ringworm (2), verminous head or body (19) and other contagious skin conditions (8).

PHYSICAL TRAINING.

Physical education in the North Riding continues to make satisfactory progress though there is still a shortage of suitably qualified teachers (particularly in the secondary schools).

A games course for teachers in primary schools was conducted by the committee's organisers at several centres in the Riding during the year and approximately 400 teachers attended. Much of the work was in the form of demonstration using classes of children. It was felt that great benefit was derived from the lecture-discussion periods.

Following the experimental work carried out in the summer term of 1948 by Mr. Wilfred Barber it was thought fit to concentrate his cricket coaching on the grammar schools where there were boys of maturer age and

where playing and practice wickets were suitable. Mr. Barber's visits to a particular school were arranged at regularly spaced intervals throughout the term. The weather was extremely favourable and the concentrated coaching produced some very good results. Further cricket coaching, for certain boys from modern secondary schools in Scarborough was made possible by the generosity of the Scarborough Cricket Club, which body gave the free use of their ground and of their professional, Mr. Peter Judge. The coaching was greatly appreciated.

The Football Association coaches were again used where desired in the secondary and larger all-age primary schools. The schools concerned found these visits stimulating, and as stress was placed on the teaching of the fundamentals of the game much valuable work was done.

Throughout the County, league and inter-school fixtures in the major games and athletics, continue to be popular in both primary and secondary schools. The Schools' Boxing Association has been active, particularly in the Cleveland area and boys were entered for the Yorkshire Schoolboy Championship. Four North Riding boys won their class competitions.

Every available swimming bath was in use for instruction purposes during the summer term. Successes were gained at all stages, the number of non-swimmers who were taught to swim being particularly gratifying. A number of the older and more advanced pupils gained the higher awards of the Royal Life Saving Society.

Camping was extended in 1949 by having two camp sites; one on the coast at Scalby, the other at Bainbridge in Wensleydale. Two schools occupied the sites in Wensleydale where 48 boys were under canvas and carried out their own cooking on trench fires. Seven schools occupied the site at Wrea Head, a total of 288 children going to camp. Several other schools held small camping parties at sites other than those provided by the committee.

Evening institute classes in physical education increased in number and a good variety of work was attempted. Recreative physical training, boxing, fencing, folk and ballroom dancing being most popular.

NURSERY SCHOOLS AND CLASSES.

In addition to the nursery school at "Childhaven," Scarborough and nursery classes in the Scarborough Division, on which the Divisional School Medical Officer has reported, there were three nursery classes at schools in South Bank with places for 105 children in all.

Nursery classes were also held at Hinderwell Infants' School for 40 children, and Friarage Infants' School for 30 children aged three to five.

HANDICAPPED PUPILS.

Formal ascertainment of handicapped pupils was carried out during the year in accordance with section 34 of the act, but placement in special schools was difficult owing to the demand for special educational treatment of this type and the few vacancies available.

The number of handicapped pupils formally ascertained during the year was as follows :—

	Boys	Girls	Total
Educationally subnormal	21	10	31
Educationally subnormal and deaf	1	—	1
Educationally subnormal and partially sighted	1	—	1
Blind	1	—	1
Partially sighted	2	2	4
Deaf	5	3	8
Partially deaf	3	—	3
Epileptic	3	—	3
Maladjusted	2	—	2
Delicate	4	6	10
Physically handicapped	42	52	94
Speech defects	8	2	10
Total	93	75	168

There is no special school in the Riding and difficulty has been experienced in placing certain handicapped pupils in suitable schools. Where double or multiple defects are encountered the position is still worse and placement may be impossible.

No special educational treatment was provided in the ordinary primary and secondary schools.

One partially sighted pupil was supplied with a reading aid.

Two pupils who had previously been ascertained as educationally subnormal, and one pupil ascertained as maladjusted were found to have considerably improved, and their names were deleted from the list of handicapped pupils.

The following tables give particulars of pupils maintained in special schools during the year under review and in 1948, and as the scheme of divisional administration provides that all children found to be suffering from a disability of mind or body in the Scarborough division shall be reported by the Divisional Executive to the County Council, the tables include children residing in the division.

Blind.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Yorkshire School for the Blind, York	3	1	1	3
Royal Victoria Blind School, Newcastle-on-Tyne ..	3	2	3	2
Schools for the Blind, Liverpool	1	—	—	—
Blind Sunshine Home, Kingswinford	1	1	—	—
Blind Sunshine Home, Northwood	1	—	—	—
Total ..	9	4	4	5

Partially Sighted.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Yorkshire School for the Blind, York	1	—	2	—
Royal Victoria Blind School, Newcastle-on-Tyne ..	1	1	3	1
Sheffield School for the Blind	3	1	—	—
St. Vincent's School, West Derby	1	—	—	—
Total ..	6	2	5	1

Deaf.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Northern Counties Institution, Newcastle	—	1	—	2
Yorkshire School for the Deaf, Doncaster	6	8	8	8
Stockton Day School for the Deaf	4	4	5	3
Middlesbrough Day School for the Deaf	2	2	2	1
Total ..	12	15	15	14

Deaf and Educationally Subnormal.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Bridge House School, Harewood, Leeds	1	—	—	—
Total ..	1	—	—	—

Partially Deaf.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Yorkshire School for the Deaf, Doncaster	2	1	—	1
Blenheim Walk Home, Leeds	—	—	2	—
Middlesbrough Day School for the Deaf	1	1	1	1
Stockton Day School for the Deaf	1	1	—	1
Total	4	3	3	3

Delicate.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Charlton House, Shaftesbury	2	—	—	—
Fulford Road Day School, York	3	7	1	6
Children's Sanatorium, Southport	—	—	—	1
The Children's Convalescent Home, West Kirby ..	2	1	1	1
Salters Lane Open Air School, Darlington ..	—	1	—	1
Residential Open Air School of Recovery, Banstead	2	—	1	—
St. John's Home, Brighton	—	1	—	1
Haseley Hall Open Air School, Birmingham ..	—	—	1	—
Kathleen Schlesinger Residential School, London ..	—	—	—	1
Leasowe Children's Hospital School, Moreton, Wirral ..	—	1	—	—
Fairfield Sanatorium School, York	1	—	—	—
Total	10	11	4	11

Educationally Sub-normal.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Dovecot School, Knotty Ash, Liverpool	—	4	—	3
Beacon Residential School, Lichfield	3	—	5	—
Besford Court, Worcestershire	2	—	3	—
Fulford Road Special Day School, York	8	3	5	2
Littleton House, Girton, Cambridge	1	—	2	—
Dinsdale Park School, Darlington	—	—	—	1
Monyhull School, Birmingham	1	2	2	1
Allerton Priory R.C. School, Woolton	—	3	—	3
Bigod's Hall R.C. School, Dunmow	1	—	2	—
Barnard Special Day School, Darlington	1	—	—	—
Total	17	12	19	10

Epileptic.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Home for Epileptics, Maghull	3	1	2	1
Total ..	3	1	2	1

Diabetic.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Baskerville School, Birmingham	1	—	1	—
Total ..	1	—	1	—

Maladjusted.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Chaigley School, Thelwall	1	—	1	1
Hill Orchard School, Meridan, Warwickshire ..	1	—	2	—
Ledston Hall, Allerton Bywater	—	—	1	—
Total ..	2	—	4	1

Physically Handicapped.

Name of School	1949		1948	
	Boys	Girls	Boys	Girls
Queen Elizabeth Training College, Leatherhead ..	1	—	—	—
Children's Convalescent Home, West Kirby ..	1	1	—	—
Bethesda Home, Colwyn Bay	—	—	1	—
Hinwick Hall, Northants	1	—	1	—
Bradstock Locket Home, Southport	1	1	1	1
Hollins, Lund Lane, Killinghall, Harrogate ..	1	—	—	—
Children's Convalescent Home, Cold Ash, Newbury ..	1	—	—	—
Total ..	6	2	3	1

EMPLOYMENT OF SCHOOL CHILDREN.

During the year 380 children were medically examined under the provisions of the Employment of Children Bye-Laws.

CHILDREN AND YOUNG PERSONS ACT, 1933.

The number of children examined prior to their admission to approved schools was 38. In addition 47 special medical examinations were carried out.

CHILD GUIDANCE.

Shortage of trained professional staff prevented the development of the child guidance service in the County and the York child guidance team continued to deal with children referred to them chiefly through the courts, and supplied reports on difficult cases.

There were 7 children referred to the York child guidance clinic. These children made 38 attendances. In addition 47 children were interviewed by psychiatrists at other centres in the Riding.

SECTION 57, EDUCATION ACT, 1944.

During 1949 there were 15 cases reported to the local authority for the purposes of the Mental Deficiency Acts under Section 57 (3) and 13 children were reported under Section 57 (5).

Two reports previously made to the local authority under Section 57 (3) were cancelled during the year.

SPEECH THERAPY.

Although it was not possible to obtain the services of a full-time speech therapist, arrangements were made for 20 children found to be suffering from defective speech to receive treatment by speech therapists of neighbouring authorities.

MEDICAL INSPECTION RETURNS

TABLE I.

MEDICAL INSPECTION OF PUPILS ATTENDING
MAINTAINED PRIMARY & SECONDARY SCHOOLS

A—Periodic Medical Inspections

Number of Inspections in the prescribed Groups :—

Entrants	4,162
Second Age Group	4,419
Third Age Group	3,311
Total	11,892

Number of Other Periodic Inspections 7,695

Grand Total 19,587

B—Other Inspections

Number of Special Inspections 5,145

Number of Re-Inspections 11,099

Total 16,244

C—Pupils found to require treatment

NUMBER OF INDIVIDUAL PUPILS FOUND AT PERIODIC
MEDICAL INSPECTION TO REQUIRE TREATMENT
(EXCLUDING DENTAL DISEASE AND INFESTATION WITH VERMIN)

Group	For defective vision (excluding Squint)	For any of the other conditions recorded in Table IIA	Total individual pupils
Entrants	21	870	884
Second Age Group	238	540	736
Third Age Group	206	494	661
Total (prescribed groups)	465	1,904	2,281
Other periodic inspections	470	1,214	1,596
Grand Total	935	3,118	3,877

Table II.

A—Return of Defects found by Medical Inspection during the year.

Defect or Disease	PERIODIC INSPECTIONS		SPECIAL INSPECTIONS	
	No. of defects		No. of defects	
	Requiring treatment	Requiring to be kept under observation but not requiring treatment	Requiring treatment	Requiring to be kept under observation but not requiring treatment
Skin	341	26	56	22
Eyes—				
(a) Vision ..	935	768	545	1912
(b) Squint ..	146	81	14	9
(c) Other ..	243	11	31	13
Ears—				
(a) Hearing ..	48	14	23	23
(b) Otitis Media ..	43	3	26	9
(c) Other ..	40	6	13	16
Nose or Throat ..	1,162	490	365	633
Speech ..	14	26	6	14
Cervical Glands ..	31	52	12	34
Heart & Circulation ..	73	85	28	75
Lungs ..	343	74	65	65
Developmental—				
(a) Hernia ..	20	5	4	15
(b) Other ..	6	2	2	5
Orthopaedic—				
(a) Posture ..	25	16	7	12
(b) Flat foot ..	76	33	16	10
(c) Other ..	150	41	35	49
Nervous System				
(a) Epilepsy ..	13	15	9	9
(b) Other ..	28	9	34	48
Psychological—				
(a) Development ..	8	90	18	281
(b) Stability ..	3	3	3	9
Other	325	60	93	107

—Classification of the General Condition of Pupils inspected during the year in the age groups.

Age Groups	Pupils Inspected	A (Good)		B (Fair)		C (Poor)	
		No.	%	No.	%	No.	%
Entrants	4,162	1,575	37.84	2,476	59.49	111	2.67
1st Age Group	4,419	1,474	33.36	2,850	64.49	95	2.15
2nd Age Group	3,311	1,751	52.88	1,525	46.06	35	1.06
Other Periodic Inspections ..	7,695	2,628	34.15	4,909	63.81	158	2.04
Total ..	19,587	7,428	37.92	11,760	60.04	399	2.06

TABLE III.
Treatment Tables.

GROUP I—MINOR AILMENTS (excluding Uncleanliness, for which see Table V.).

Defect or Disease	Number of defects treated or under treatment during the year
SKIN—	
Ringworm-Scalp (i) X-Ray treatment	7
(ii) Other treatment	406
Ringworm-Body	169
Scabies	71
Impetigo	227
Other Skin Disease	802
EYE DISEASE—	
External and other, but excluding errors of refraction, squint, and cases admitted to hospital	526
EAR DEFECTS—	
(Treatment for serious diseases of the ear (<i>e.g.</i> , operative treatment in hospital) is not recorded under this heading) ..	377
MISCELLANEOUS—	
(<i>e.g.</i> minor injuries, bruises, sores, chilblains, etc.) ..	4,408
Total	6,993

Total number of attendances at Authorities minor ailment clinics 21,925

GROUP II—DEFECTIVE VISION AND SQUINT (Excluding Eye Diseases treated as Minor Ailments—Group I.).

	No. of defects dealt with
Errors of Refraction (including Squint)	1,806
Other defect or disease of the eyes (excluding those recorded in Group I.)	—
Total	1,806
Number of Pupils for whom spectacles were prescribed.. .. .	1,528

GROUP III.—TREATMENT OF DEFECTS OF NOSE AND THROAT

	Total number treated
Received operative treatment :—	
(a) For adenoids and chronic tonsilitis	264
(b) For other nose and throat conditions	—
Received other forms of treatment	186
Total	450

GROUP IV.—ORTHOPAEDIC AND POSTURAL DEFECTS

(a) Number treated as in-patients in hospitals or hospital schools	89
(b) Number treated otherwise, <i>e.g.</i> , in clinics or outpatient departments	391

GROUP V.—CHILD GUIDANCE TREATMENT AND SPEECH THERAPY

Number of Pupils treated :

(a) Under Child Guidance arrangements	7
(b) Under Speech Therapy arrangements	20

TABLE IV.

DENTAL INSPECTION AND TREATMENT

(1) Number of pupils inspected by the Authority's Dental Officers :—					
(a) Periodic age groups	..	..	..	..	19,261
(b) Specials	..	..	..	..	575
(c) TOTAL (Periodic and Specials)	..	..	..	..	19,836
<hr/>					
(2) Number found to require treatment	..	..	..	..	13,637
(3) Number actually treated	..	..	..	..	12,990
(4) Attendances made by pupils for treatment	..	..	..	..	17,894
(5) Half days devoted to :					
Inspection	..	..	..	..	221
Treatment	..	..	..	..	2,473
Total	..	..	..	..	2,694
<hr/>					
(6) Fillings :					
Permanent Teeth	..	..	..	..	8,060
Temporary Teeth	..	..	..	..	418
Total	..	..	..	..	8,478
<hr/>					
(7) Extractions :					
Permanent Teeth	..	..	..	..	3,177
Temporary Teeth	..	..	..	..	16,500
Total	..	..	..	..	19,677
<hr/>					
(8) Administration of general anaesthetics for extraction	..	..	..	..	7,768
(9) Other Operations :					
Permanent Teeth	..	..	..	..	3,390
Temporary Teeth	..	..	..	..	803
Total	..	..	..	..	4,193
<hr/>					
Orthodontic and Denture Attendances	..	..	..	..	5,236

TABLE V.

INFESTATION WITH VERMIN

(i) Total number of examinations in the schools by the school nurses or other authorised persons	..	..	..	..	162,468
(ii) Total number of individual pupils found to be infested	..	..	..	..	281
(iii) Number of individual pupils in respect of whom cleansing notices were issued (Section 54 (2), Education Act, 1944)	..	..	..	..	19
(iv) Number of individual pupils in respect of whom cleansing orders were issued (Section 54 (3), Education Act, 1944)	..	..	..	..	—

AVERAGE WEIGHTS.

Boys.				GIRLS.		
Age Groups	No. Weighed.	Lbs.	Kilograms.	No. Weighed	Lbs.	Kilograms.
3-4 years ..	9	36.36	16.49	7	35.14	15.94
4-5 years ..	51	40.59	18.41	38	37.32	16.93
5-6 years ..	1,253	43.70	19.82	1,195	41.66	18.90
6-7 years ..	210	47.90	21.73	203	46.50	21.09
7-8 years ..	541	54.20	24.59	506	52.46	23.80
8-9 years ..	729	59.27	26.88	644	56.97	25.84
9-10 years	158	64.00	29.03	118	63.02	28.59
10-11 years	886	71.31	32.35	816	70.59	32.02
11-12 years	697	77.16	35.00	642	77.81	35.29
12-13 years	1,027	83.46	37.86	941	87.65	39.76
13-14 years	284	93.33	42.33	562	97.93	44.42
14-15 years	631	107.12	48.59	811	108.37	49.16
15-16 years	301	119.09	54.02	226	117.99	53.52
16-17 years	84	131.30	59.56	93	123.55	56.04
17-18 years	55	136.70	62.01	39	124.56	56.50
18-19 years	24	140.72	63.83	8	126.66	57.45

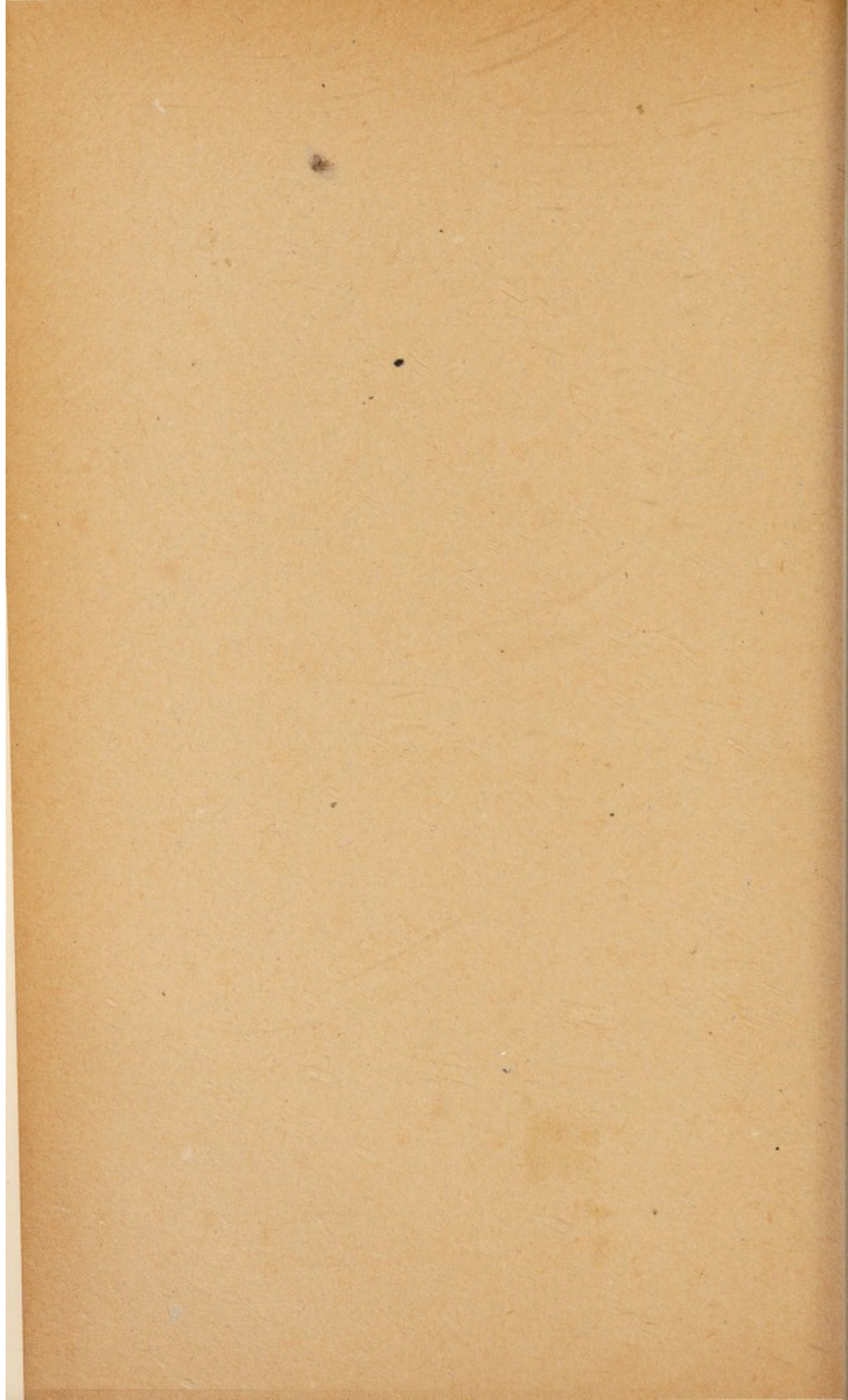
AVERAGE HEIGHTS.

Boys.				GIRLS.		
Age Groups	No. Measured	Inches	Centi-metres	No. Measured	Inches	Centi-metres
3-4 years ..	9	39.44	100.18	7	39.57	100.51
4-5 years ..	51	40.96	104.04	38	39.70	100.84
5-6 years ..	1,253	43.40	110.24	1,195	42.90	108.97
6-7 years ..	210	45.45	115.44	203	45.30	115.06
7-8 years ..	541	48.25	122.56	506	47.87	121.59
8-9 years ..	729	50.13	127.33	644	49.55	125.86
9-10 years	158	51.60	131.06	118	51.46	130.71
10-11 years	886	54.11	137.44	816	53.83	136.73
11-12 years	697	55.81	141.76	642	56.04	142.34
12-13 years	1,027	57.23	145.36	941	58.26	147.98
13-14 years	284	59.55	151.26	562	60.03	152.48
14-15 years	631	62.49	158.72	811	61.93	157.30
15-16 years	301	64.45	163.70	226	63.21	160.55
16-17 years	84	67.79	172.19	93	64.33	163.40
17-18 years	55	68.68	174.45	39	64.56	163.98
18-19 years	24	68.92	175.06	8	64.38	163.53

North Riding of Yorkshire
County Council
Scarborough Divisional Executive

REPORT
of the
Divisional School Medical Officer
for the year ending 1949

SCARBOROUGH
MARSHALL & SON (1946), 14 ST. NICHOLAS STREET



North Riding of Yorkshire
County Council
Scarborough Divisional Executive



REPORT

of the

Divisional School Medical Officer

for the year ending 1949

REPORT

THE LOCAL BOARD OF HEALTH
OF THE CITY OF BOSTON
FOR THE YEAR 1881

The Chairman and Members of Scarborough Divisional Executive.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to submit the Annual Report of the Divisional School Medical Officer for the year 1949.

The hope expressed in last year's report that the new school Clinic premises would be ready for occupation in 1949 did not materialise. However at the time of preparing this report the Clinic had been transferred to the Old Hospital, Friar's Way, and many of the planned facilities were available.

The Statistical Summary at the Appendix indicates that a greater volume of work was accomplished in 1949 than in the previous year. Of the 3880 pupils seen at periodic medical inspections, 52 (1.34%) were noted as being in poor general condition; this is an improvement upon last year's findings when 75 (2.37%) of 2747 pupils examined were classed as being below average. Altogether 15.13% of the total were found to require some form of treatment, a figure which compares favourably with those reported in 1948 (22.06%) and 1947 (16.99%).

That there is a steady improvement in the personal hygiene of school children in this area is suggested by the fact that your School Nurses, making nearly 28,000 individual cleanliness inspections during the year, discovered only 29 instances of frank infestation as against 54 in 1948 and 97 in 1947; further the number of patients referred to the Minor Ailment Clinics for the treatment of scabies fell from 41 in 1948 to 14 in 1949.

The commoner infectious diseases (measles, whooping cough and scarlet fever) were more prevalent among school children in 1949; one case of infantile paralysis was notified; two pupils developed glandular tuberculosis. No case of diphtheria occurred.

Details of the Diphtheria Immunisation Drive in Schools in 1949 appear in the body of the report. The very satisfactory response to an experiment which led to 1322 pupils receiving reinforcement doses and 220 children being provided with initial protection, justifies the repetition of the scheme in 1950.

Another new departure so far as concerns this Division was the introduction this year of a course in "Mothercraft" to the senior classes of Falsgrave Senior Girls' School. The following extract from a report by Miss Lewis, the Headmistress, indicates that the course is worthy of permanent inclusion in the school syllabus:—

"The lessons in Mothercraft are of the greatest value. In the past our girls have been sent out into the world ignorant of their most important and certainly their most usual life work, that of bringing up children. It is very difficult for a member of the School Staff to undertake this teaching and we have appreciated the lessons given by Nurse Dawson, who has not only the specialised knowledge and wide experience of the subject, but who has gained the co-operation and interest of the girls."

At the end of the Report appears an account of the Syllabus of the Mothercraft Course.

Miss R. E. Parker, S.R.N., who resigned her appointment as a whole time School nurse on 31st December after many years service, takes with her in her retirement the best wishes of those of us who had the pleasure of working with her.

I wish to express my appreciation to the Chairman and Members of the Primary Education Committee for their guidance and support; to Mr. Nock, the Divisional Education Officer, and Staff for their continued co-operation, and to Mr. Bassett, my senior clerk, for his valuable assistance throughout the year.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

J. STOKOE,

Divisional School Medical Officer.

Old Hospital,
Friar's Way,
Scarborough.
July, 1950.

I. GENERAL.

The total number of scholars on the school registers amounted to 6,992 an increase of 139 over last year's figure.

(a)	Number of Primary Schools (excluding Child Haven Nursery School)	22
(b)	Number of Primary School Departments in the Division (excluding Child Haven Nursery School).	27
(c)	Number of pupils on the registers of Primary Schools (excluding the Child Haven Nursery School) in September, 1949	4,039
(d)	Number of children in Child Haven Nursery School in September, 1949	45
(e)	Number of children in the Special Class at No. 9 Seamer Road in September, 1949	22
(f)	Number of County Modern Schools in the Division	6
(g)	Number of pupils on the rolls of County Modern Schools in September, 1949	1,837
(h)	Number of Grammar and Technical Schools	3
(i)	Number of pupils on the rolls of Grammar and Technical Schools in September, 1949	979

2. STAFF.

(i) Medical Officers.

J. Stokoe, M.D., B.S., B.Hy., D.P.H., Divisional School Medical Officer.

Elizabeth R. Cameron, M.B., Ch.B., D.P.H., Assistant School Medical Officer.

Elizabeth D. Ellison, B.A., Ch.B., Temporary Assistant School Medical Officer (part-time).

(ii) Dental Surgeons.

D. Bewes Atkinson, L.D.S., R.C.S.Eng., (part-time).

J. C. Carr, L.D.S., R.C.S.Eng.

(iii) Specialist Officers (part-time).

*Ophthalmic Surgeon J. Ellison, M.R.C.S., L.R.C.P.

*Orthopaedic Surgeon H. L. Crockatt, M.B., Ch.B.

*Psychiatrist Margaret C. Gordon, M.B., Ch.B.,
D.P.M.

(iv) Speech Therapist.

Vacant.

(v) School Nurses.

(a) WHOLE-TIME.

Miss R. E. Parker, S.R.N. (retired 31st December, 1949)

Miss H. B. Taylor, S.R.N.

Miss L. Dawson, S.R.N., S.C.N., H.V.Cert.

These Nurses carried out school nursing within the Borough of Scarborough

(b) PART-TIME.

School nursing in the Scalby Urban District and Scarborough Rural District area was conducted by four District Nurses, as follows :—

Nurse J. Robson—Scalby and Cayton districts.

Nurse M. Ford—Snainton district.

Nurse E. D. Fisher-Brown—Ayton district.

Nurse A. Brown—Cloughton district.

(vi) Dental Attendants.

Miss N. D. V. Stockill.

Miss P. M. Vokes.

(vii) Clerks.

J. R. Bassett, B.Com.

Miss A. E. Macallister.

* By arrangements with Leeds Regional Hospital Board.

3. MEDICAL SUPERVISION.

An attempt was made to include with the basic age groups for Routine Medical Inspections (Entrants, Leavers Primary and Leavers Secondary), the additional age groups of 7—8 years and 12—13 years. This was accomplished as far as concerns the 7-8 year olds and the 12—13 year old girls, but it was not possible to cover more than the Secondary School boy leavers. A total of 3880 pupils were medically examined in schools, about 1100 more than in 1948; 1865 re-inspections were made, approximately 400 more than in the previous year. Special medical examinations numbered 1054 or 349 less than last year. Visits to pupils homes numbered 594.

4. FINDINGS AT ROUTINE MEDICAL INSPECTION.

(a) Of the total number of children examined in schools 15.13% required some form of treatment compared with 22.06% in 1948.

Group.	Number of Children.	
	Inspected.	Found to require treatment (excluding dental disease and infestation with vermin.).
PRIMARY SCHOOL CHILDREN		
Entrants	927	137 (14.78%)
7-8 Age Group	759	120 (15.81%)
Second Age Group	693	116 (16.74%)
TOTAL	2,379	373 (15.68%)
SECONDARY SCHOOL CHILDREN		
12-13 Age Group	659	88 (13.35%)
Third Age Group	842	126 (14.96%)
TOTAL	1,501	214 (14.26%)
GRAND TOTAL	3,880	587 (15.13%)

The defects found at Routine Medical Inspection are analysed in Table IIA of the Appendix to this report.

(b) General Condition.

Fifty two children (or 1.34%) were considered to be in poor general condition. This is an improvement upon last year's return which was 75 or 2.37% of children examined.

(c) Cleanliness.

During the year, School Nurses made 27,669 individual cleanliness inspections in schools, as the result of which 29 children showed evidence of frank infestation. The corresponding figures for 1948 and 1947 were 54 and 97 respectively. In connection with uncleanness School Nurses paid 453 visits to the patients' homes. No notice was served under Section 54 (2) of the Education Act, 1944, during 1949.

	<i>Primary</i>	<i>Secondary</i>
Average number of visits per school made during the year by the School Nurses	11	12
Number of school visits by nurses	294	113
Number of examinations of pupils in the schools by nurses	19,339	8,330
Number of individual children infested	19	10
Number of visits to homes by the School Nurses	368	85

(d) Clothing and Footwear.

Throughout clothing and footwear appeared to be satisfactory. The Scarborough Amicable Society continued their good work of previous years by affording assistance in 1949, the sum of £237 being paid in the form of grants to needy cases.

5. TREATMENT OF DEFECTS.

(a) Minor Ailments.

Rather fewer initial attendances were made by pupils to the Minor Ailment sessions held regularly at King Street School Clinic, Hinderwell School and Northstead School than in 1948. The following table shows that initial attendances for treatment of Scabies, Impetigo, Ringworm and Uncleanliness were all lower than last year, those relating to Scabies falling from 41 to 14 :—

Condition for which children attended M.A. Clinic.	Primary School Children		Secondary School Children	
	No. of first visits.	Total Attendances.	No. of first visits.	Total Attendances.
Scabies	7	38	7	10
Impetigo	25	81	6	19
Ringworm	—	—	—	—
Uncleanliness (including Verminous Conditions)	72	247	33	95
Minor Injuries	422	592	89	172
External Eye Disease	78	228	20	61
Ear Discharge and Deafness	58	150	18	34
Nose and Throat	16	55	8	46
Vision	12	17	6	8
Heart and Circulation	34	44	12	14
Lungs	2	2	—	—
Nervous System	4	7	—	—
Tuberculosis	—	—	—	—
Skin (Non-contagious)	290	712	83	214
Other Conditions	219	703	43	144
TOTAL	1,246	2,876	325	817

(b) Defective Vision.

By arrangement with the Regional Hospital Board, the Eye Specialist continued to hold his weekly sessions at the School Clinic. Considerable delay in receiving spectacles prescribed is still being experienced by some children.

Number of sessions	46	
	<i>Primary</i>	<i>Secondary</i>
Number of new cases examined	122	100
Number of re-examinations	119	85
Spectacles prescribed	101	108
Recommended other forms of treatment	12	6
Spectacles known to have been received	33	26

(c) Ear, Nose and Throat.

Two hundred and sixty seven school children received operative treatment at Scarborough Hospital for adenoids and chronic tonsillitis.

91 having been referred through the School Health Service and 176 by family doctors. In addition 40 children received operative treatment for other conditions.

Seventy six children attended the Minor Ailments Clinic for ear conditions, and 24 for nose and throat conditions.

(d) Orthopaedic.

Eleven school children received in-patient treatment at Adela Shaw Orthopaedic Hospital, Kirbymoorside, during the year.

The Orthopaedic surgeons held 21 sessions at the Scarborough Orthopaedic Clinic, when 151 children were examined (182 attendances). Of these, 64 made 512 attendances at the Remedial Exercises Clinic under the physiotherapist who held 79 sessions.

(e) Tuberculosis.

Two cases of glandular tuberculosis were reported among school children, both are reported to have recovered.

(f) Ringworm of Scalp.

No case came to the notice of the School Health Service during 1949.

(g) Asthma.

The scheme operating in 1948, where cases of Asthma in school children were referred to the Asthma Clinic at York County Hospital, was discontinued. Instead, the patients were referred to their family doctors who made independent arrangements for the treatment of their own patients. Three children were referred in 1949 to York County Hospital, before the discontinuance of the scheme.

(h) Artificial Sunlight Treatment.

By arrangement with Scarborough Corporation school children in need of artificial sunlight treatment were referred to the Scarborough Medical Baths. During the year 290 pupils (251 Primary and 39 Secondary) completed a course of treatment making 3416 attendances.

(i) Dental Services.

Details of the work carried out by the school dentists (one whole-time and one part-time) appear in Table V of the Appendix.

6. PHYSICAL EDUCATION.

Mr. Nock, the Divisional Education Officer, has kindly prepared the following summary of Physical Education activities in the Scarborough Division :—

Physical Education in the Division is steadily progressing and the wider aspects of the work are being regarded.

The difficulty of obtaining teachers with specialist qualifications in the subject continues. The vigour and interest, however, shown by the teachers at present conducting the work reflects great credit upon themselves and encouragement to the Organising Staff.

The Organising Staff conducted a course of training for teachers with demonstrations by Primary children, which was well attended.

The High School for Boys received specialised instruction from the County Cricket Coach, while the Modern Secondary Schools took advantage of facilities offered by the Scarborough Cricket Club for specialised coaching on two afternoons a week from the Club professional. Both these activities were helpful and instructive.

The long spell of fine weather during the summer added greatly to the value of games training and swimming, as very few cancellations were necessary. Football and Cricket Leagues, together with matches against schools outside the Division, have all added to the interest taken in school games, and thanks are due to those teachers who have given so much time and effort to their organisation. The development of girls' hockey, netball and tennis has been a noticeable feature. School Sports were held on the playing fields at Northstead, Hinderwell and other grounds and were enthusiastically contested. The inclusion of virtually every child in a school in some sort of athletic event during a sports meeting is a pleasing feature, and particular attention has been given by the teachers to the selection of suitable events for the less athletic, which makes it possible for them to make a contribution to the team or house effort.

Boxing instruction is undertaken in some of the Secondary Schools and boxing tournaments have been held.

Swimming instruction was carried out at the North Bay Pools under the best possible outdoor conditions with very satisfactory results. It is regrettable that only a small proportion of school children are able to receive swimming instruction on account of the limited bath facilities. In addition, classes were held for the Examinations of the Royal Life Saving Society at both the North and South Bay Pools. The following awards were made :—

667 certificates of varying degrees of proficiency, together with 6 Intermediate Award Medallions, 27 Bronze Medallions, 9 Bronze Crosses, 7 Awards of Merit and 1 Teachers' Certificate.

Schools also attended camps and expeditions to an increasing extent.

7. INFECTIOUS DISEASES.

Measles, Whooping Cough and Scarlet Fever were all more prevalent in 1949 than in the previous year. One case of Infantile Paralysis was notified and following treatment at the local Infectious Diseases Hospital the patient was transferred to Adela Shaw Orthopaedic Hospital.

School children discharged from the local Infectious Diseases Hospital were reported to the Divisional School Medical Officer through whom arrangements for follow up medical examinations before their return to school were made.

Notifications of infectious diseases among school children between age 5-15 years in the Divisional Area were as follows :—

Disease.	Total No. of cases.		Admitted to Isolation Hospital.	
	Primary	Secondary	Primary	Secondary
Measles	295	3	1	—
Whooping Cough	126	3	—	—
Scarlet Fever	42	8	28	5
Acute Anterior Poliomyelitis	—	1	—	1
Tuberculosis	—	2	—	—

Special Exclusions.

The number of children excluded from school on account of uncleanliness and contagious conditions was further reduced in 1949.

	No. of Children.	
	Primary	Secondary
Ringworm	—	—
Contagious skin	12	4
Verminous and Unclean conditions	8	2
Other causes	18	3

8. SCHOOL MILK AND MEALS.

I am indebted to the Divisional Education Officer for the details, included in the following table, which shows the position as at December, 1949 :—

Percentage of children provided with meals in Rural Schools	76.7
Percentage of children provided with meals in Scarborough Schools	50.5
Percentage of children provided with milk in Primary Schools in the Division	84.07
Percentage of children provided with milk in Secondary Schools in the Division	59.47

Facilities are available for any school child recommended by the School Medical Officers to be provided with School dinners and/or a second bottle of milk daily on Medical Grounds.

9. CO-OPERATION WITH OTHER BODIES.

At routine medical inspections 71.41% of primary school children and 8.19% of secondary school children were accompanied by their parents.

From Mr. Pateman, the local inspector of the N.S.P.C.C., I have received the following report of the year's work of his department in connection with school children :—

“ There were 106 cases enquired into in the Divisional Area affecting the welfare of 198 children (102 boys, 96 girls). No cases were due to drink.

Classification of Cases :—

Adoption .....	.....	—
Neglect .....	.....	77
Advice sought .....	.....	17
Ill-treatment .....	.....	12
Immoral surroundings .....	.....	—
Other wrongs .....	.....	—
Total .....	.....	106

The above were dealt with as follows :—

Warned by the Officer .....	.....	74
Advised and helped .....	.....	32
Adoption .....	.....	—
Total .....	.....	106

No offenders were prosecuted. One Juvenile Court case was instituted.

In order to watch the progress and guard against relapse, the Inspector paid 151 visits of supervision and in addition 278 miscellaneous visits were made to officials and others in respect of these cases.”

10. NURSERY CLASSES.

Dr. Cameron prepared the following report on the Nursery School and Classes :—

Childhaven, providing 45 places, remained the only Nursery School in Scarborough. The number of Nursery Classes steadily diminished as the demand for five year old places increased. There is no lessening in the parents' demand for Nursery Class facilities and a system of priority has to be followed ; cases of hardship and overcrowding received special consideration.

There is a long waiting list for Childhaven which is the only Nursery School admitting from the age of two. Friarage and Hinderwell Schools have Nursery Classes—also with waiting lists. Admission is at 3+ at Friarage and 4+ at Hinderwell.

Childhaven provides a full nursery regime between the ages of two and five. Midday dinners, milk, orange juice and cod liver oil are provided. The children have a midday rest and full use is made of the

garden in keeping the children in the open air as much as possible. Frequent medical inspection and close co-operation with the parents help to minimise the risk of outbreaks of infectious disease. All these measures aim at keeping the children in a state of positive health. There were few cases of infectious diseases during the year, none of which were severe and there was no epidemic of any disease.

The Nursery Classes provided modified nursery regime and the children have a sleep in the afternoons.

II. HANDICAPPED PUPILS.

The procedure for providing for handicapped pupils under the authority of section 34 of the Education Act, 1944, was applied in relation to seven school children, who were duly reported to the Local Education Authority :—

- 1 Blind Pupil.
- 1 Delicate Pupil.
- 1 Maladjusted Pupil.
- 1 Physically Handicapped Pupil.
- 3 Educationally Subnormal Pupils.

During 1949, the Education Authority maintained in Special Schools handicapped pupils from the Divisional Area as follows :—

Name of School.	Boys.	Girls.
BLIND		
Royal Victoria School for the Blind, Newcastle	—	1
Summerhill Grange Sunshine Home Nursery School for Blind Children, Kingswinford	—	1
PARTIALLY BLIND		
Sheffield School for the Blind, Sheffield	1	—
DEAF		
Yorkshire School for the Deaf, Doncaster	2	1
DEAF AND EDUCATIONALLY SUB-NORMAL		
Bridge House School, Leeds	1	—
DELICATE		
Fairfield Sanatorium School, York	1	—
EDUCATIONALLY SUB-NORMAL		
Beacon Residential School, Lichfield	1	—
Monyhull School, Birmingham	1	1
MALADJUSTED		
Hill Orchard School, Meriden, Warwick	1	—
DIABETIC		
Baskerville Residential School, Birmingham	1	—
PHYSICALLY HANDICAPPED		
Hinwick Hall School, Wellingborough, Northants.	1	—
Bradstock-Lockett School of Recovery, Southport	1	—
Children's Convalescent Home, West Kirby	—	1
Children's Convalescent Hospital, Newbury	1	—

The Special Class for educationally subnormal children continued to supply a need in the area by providing accommodation for 29 pupils ; of these seven were admitted during 1949. Six pupils were discharged as follows :—

- 2 to work (or home), having reached school leaving age.
- 1 to a residential school for educationally subnormal children.
- 3 to ordinary schools.

Speech Defects.

The appointment of Speech Therapist has not yet been filled, consequently the treatment of children suffering from speech defects is still in abeyance.

Ineducable Children.

Two children were reported to the Local Education Authority as ineducable under Section 57 (3) of the Education Act, 1944, and three children under Section 57 (5) of the Act, as requiring supervision after leaving school.

As considerable interest has been expressed regarding the ultimate care of ineducable children referred to the Local Education Authority from this Division, it may be appropriate to give an account of the position at the end of 1949. Of 11 children who had been notified since September, 1946, three had been admitted to an Institution by the end of 1949, (two more were admitted to Institutions early in 1950). Of the remaining six children, only two were awaiting vacancies, one of whom was already in the care of the County Council. The other four children remained with their families and the question of their admission to Institutions did not arise, since appropriate care and supervision is provided in their own homes.

12. CHILD GUIDANCE.

In the absence of a full Child Guidance team, Dr. Gordon has held weekly child psychiatric sessions for difficult and unstable children. Many of the problems have, on investigation, proved environmental and have yielded to advice and explanation. In a few cases deeper psychiatric treatment has been necessary. With younger children (under eight years of age) it has been difficult to make contact owing to the absence of play therapy facilities.

The following is a summary of the psychiatrist's work :—

Number of sessions held at Scarborough	39
Number of children examined	35
Number of initial examinations of school children	31
Number of re-examinations	61
Number of children ascertained as Maladjusted Pupils within the meaning of the Handicapped Pupils and School Health Service Regulations, 1945	1

In addition to the above, several children from outside the Divisional Area were seen at Scarborough by Dr. Gordon at the request of the County School Medical Officer.

Three children from the Division attended the York Child Guidance Clinic for treatment, making a total of 14 attendances, but as noted in last year's report, the York Clinic is not able to undertake treatment of any new cases from this area.

13. CHILD DELINQUENTS.

Ninety-five medical reports were submitted to the Magistrates relating to children who appeared before the Juvenile Court.

14. EMPLOYMENT OF SCHOOL CHILDREN.

Seventy-one children were examined by the school medical officers as to fitness for employment under the provisions of the Employment of Children Bye-Laws ; all were considered fit for their proposed employment.

15. PROTECTIVE INOCULATION.

A note was made of all children subjected to routine medical inspection who bore scars of successful vaccination against smallpox ; according to this method of assessment 26% Primary and 28% Secondary had been protected.

During the year 253 school children completed a course of immunisation against diphtheria and a further 1375 children received re-inforcement doses under the Local Health Authority's schemes. It is estimated that about 80% of the school children in the Division are protected against diphtheria.

Early in the year 2507 letters " From Your Medical Officer of Health," were distributed through the good offices of School Teachers to children attending Junior Schools within the area of the Divisional Executive, for the main purpose of ensuring that children of this age group would be provided with a re-inforcement dose as a follow up to their initial protection against diphtheria.

This procedure had the effect of bringing within the scheme no less than 220 school children who had not been previously immunised, and in all, consents to the immunisation of 1542 children were returned.

The total number of treatments given were as follows :—

Re-inforcement doses	.....	.....	.....	1322
Initial Immunisation	.....	.....	.....	220

The work involved a total of 60 visits to schools within the area, On each occasion the Medical Officer of Health being accompanied by a Health Visitor and a Clerk.

The support parents gave to this scheme was most gratifying and the whole-hearted co-operation and assistance provided by Head Teachers enabled the work to be carried out smoothly and expeditiously.

16. MOTHERCRAFT COURSE.

At the instigation of Miss Lewis, the Headmistress, a course in Mothercraft was included in the curriculum for the more senior girls at Falsgrave Senior Girls' School. The syllabus was as follows :—

A talk of one hour was given each week for seven or eight weeks for three terms. The average number of classes was twenty.

Subjects covered :

- Protection and care of young children.
- Prevention of accidents and illness.
- Signs of illness and health.
- Habit training.
- Play—arrangements and scope—necessity for.
- Feeding of various ages—food values and examples of diet.
- Clothing—most suitable styles and materials (with examples).
- Sleeping—hours and conditions.
- Bathing.
- Home Nursing.

The children were interested attentive and enquiring. The Home Nursing talks were not so well received.

The talks were followed by :—

1. A film show.
2. A visit to the Maternity and Child Welfare Clinic.
3. A visit to Childhaven Nursery School.

The films shown were much appreciated :—

1. For children only (Vitamins).
2. Your children and you (Child management).
3. Your children's meals.
4. Defeat diphtheria (Immunisation).
5. Unwanted guests (Personal hygiene).
6. Your children's teeth.

MEDICAL INSPECTION RETURNS.

YEAR ENDED, 31st DECEMBER, 1949.

TABLE I.

Medical Inspection of Pupils attending Maintained Primary and Secondary Schools.

A. Periodic Medical Inspections.

Number of Inspections in the prescribed groups

Entrants	927
Second Age Group	693
Third Age Group	842

TOTAL 2,462

Number of other periodic inspections 1,418

GRAND TOTAL 3,880

B. Other Inspections.

Number of Special Inspections	1,054
Number of Re-inspections	1,865

TOTAL 2,919

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 (excluding squint).	For any of the other conditions recorded in Table IIA	Total individual pupils.
Entrants	9	128	137
Second Age Group	38	80	116
Third Age Group	78	50	126
Total (prescribed groups)	125	258	379
Other Periodic Inspections	73	136	209
GRAND TOTAL	198	394	588

TABLE II.

A. Return of Defects found by Medical Inspection during the year.

DISEASE OR DEFECT.	Periodic Inspections.		Special Inspections.	
	Number of Defects.		Number of Defects.	
	Requiring Treatment	Requiring Observation but not Treatment	Requiring Treatment	Requiring Observation but not Treatment
SKIN	23	10	113	18
EYES—				
(a) Vision	198	82	110	58
(b) Squint	24	10	10	11
(c) Other	4	4	58	5
EARS—				
(a) Hearing	—	7	6	7
(b) Otitis Media	2	—	13	2
(c) Other	—	2	25	—
NOSE AND THROAT	67	177	146	120
SPEECH	4	15	5	16
CERVICAL GLANDS	2	3	12	15
HEART AND CIRCULATION	63	59	97	89
LUNGS	6	21	52	36
DEVELOPMENTAL—				
(a) Hernia	—	7	—	—
(b) Other	—	2	3	4
ORTHOPAEDIC—				
(a) Posture	3	46	5	29
(b) Flat Foot	15	25	7	22
(c) Other	27	74	20	37
NERVOUS—				
(a) Epilepsy	—	—	—	1
(b) Other	14	17	39	31
PSYCHOLOGICAL—				
(a) Development	—	13	5	13
(b) Stability	—	2	13	6
OTHER	155	121	368	200

B. Classification of the General Condition of Pupils inspected during the year in the Age Groups.

Age Groups.	Pupils Inspected.	A. (Good).		B. (Fair).		C. (Poor).	
		No.	%	No.	%	No.	%
Entrants	927	491	52.97	424	45.74	12	1.29
Second Age Group	693	297	42.86	388	55.99	8	1.15
Third Age Group	842	363	43.11	466	55.35	13	1.54
Other Periodic Inspections	1418	548	38.65	851	60.01	19	1.34
TOTAL	3880	1699	43.79	2129	54.87	52	1.34

TABLE III.

Infestation with Vermin.

(1) Total number of examinations in the schools by the school nurses or other authorised persons	27,669
(2) Total number of individual pupils found to be infested	29
(3) Number of individual pupils in respect of whom cleansing notices were issued (Section 54 (2) Education Act, 1944)	—
(4) Number of individual pupils in respect of whom cleansing orders were issued (Section 54 (3) Education Act, 1944)	—

TABLE IV.

Treatment Tables.

GROUP I—MINOR AILMENTS (excluding uncleanliness for which see Table III).

(a)	<i>Number of Defects treated, or under treatment during the year.</i>
SKIN	
Ringworm—Scalp	
(i) X-ray treatment	—
(ii) Other treatment	—
Ringworm—Body	—
Scabies	14
Impetigo	31
Other Skin diseases	373
EYE DISEASE	
(External and other, but excluding errors of refraction, squint and cases admitted to Hospital)	98
EAR DEFECTS	
(Treatment for serious diseases of the ear (<i>e.g.</i> , operative treatment in hospital) is not recorded under this heading)	76
MISCELLANEOUS	
(<i>e.g.</i> , minor injuries, bruises, sores, chilblains, etc.)	867
TOTAL	1,459

(b) Total number of attendances at Authority's minor ailments clinics	3,351
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GROUP II—DEFECTIVE VISION AND SQUINT (excluding Eye Disease treated as Minor Ailments—Group I).

	<i>No. of Defects dealt with.</i>
ERRORS OF REFRACTION (including squint,	426
Other defect or disease of the eyes (excluding those recorded in Group I).	—
TOTAL	426

Number of Pupils for whom spectacles were

(a) Prescribed	209
(b) Obtained	59

GROUP III—TREATMENT OF DEFECTS OF NOSE AND THROAT.

	<i>Total Number treated</i>
Received operative treatment :	
(a) for adenoids and chronic tonsillitis	267
(b) for other nose and throat conditions	40
Received other forms of treatment	24
TOTAL	331

GROUP IV—ORTHOPAEDIC AND POSTURAL DEFECTS.

(a) Number treated as in-patients in hospitals or hospital schools	11
(b) Number treated otherwise, <i>e.g.</i> , in clinics or out-patients' departments	151

GROUP V—CHILD GUIDANCE TREATMENT AND SPEECH THERAPY.

Number of pupils treated (a) under child guidance arrangements	38
(b) under Speech Therapy arrangements	—

TABLE V.

Dental Inspection and Treatment.

(1) Number of children inspected						
(a) Routine Age Groups	.....	.....	.....	.....		3,348
(b) Specials	.....	.....	.....	.....		310
(c) TOTAL	.....	.....	.....	.....		3,658
(2) Number found to require treatment	.....	.....	.....			1,860
(3) Number actually treated	.....	.....	.....			1,518
(4) Attendances made by children for treatment	.....	.....	.....			3,561
(5) Half Days devoted to—Inspection	.....	.....	.....			40
Treatment	.....	.....	.....			490
				TOTAL	.....	530
(6) Fillings—Temporary Teeth	.....	.....	.....			23
Permanent Teeth	.....	.....	.....			1,769
				TOTAL	.....	1,792
(7) Extractions—Temporary Teeth	.....	.....	.....			1,419
Permanent Teeth	.....	.....	.....			369
				TOTAL	.....	1,788
(8) Administrations of General Anaesthetics for extractions						726
(9) Other Operations—Temporary Teeth	.....	.....	.....			92
Permanent Teeth	.....	.....	.....			698
				TOTAL	.....	790
(10) Orthodontic and Denture attendances	.....	.....				609

PRIMARY SCHOOLS. AVERAGE HEIGHTS.

BOYS

GIRLS

AGE GROUPS	No. measured.	Inches	Centimetres	No. Measured.	Inches.	Centimetres.
2-3 years	2	35.25	89.54	—	37.36	94.89
3-4 years	20	37.95	96.39	25	40.83	103.71
4-5 years	42	41.95	106.55	65	42.38	107.64
5-6 years	270	43.63	110.82	245	44.93	114.12
6-7 years	61	45.62	115.87	56	47.93	121.74
7-8 years	171	46.86	119.03	147	49.03	124.54
8-9 years	161	48.85	124.08	184	51.97	132.00
9-10 years	45	51.53	130.89	58	53.88	136.86
10-11 years	205	53.19	135.10	152	54.98	139.57
11-12 years	49	54.84	139.29	50	55.71	141.50
12-13 years	18	55.25	140.34	7	60.00	152.38
13-14 years	19	59.16	150.27	8	61.43	156.03
14-15 years	13	59.53	151.26	7		

AVERAGE WEIGHTS.

BOYS

GIRLS

AGE GROUPS	No. Weighed	lbs.	Kilograms	No. Weighed.	lbs.	Kilograms.
2-3 years	2	30.63	13.89	—	33.12	15.02
3-4 years	20	35.30	16.01	25	33.51	15.20
4-5 years	42	41.74	18.93	65	41.68	18.91
5-6 years	267	47.33	21.47	240	48.16	21.85
6-7 years	62	48.08	21.81	56	50.50	22.86
7-8 years	168	51.14	23.19	149	55.92	25.37
8-9 years	154	57.69	26.17	182	63.07	28.61
9-10 years	44	62.82	28.54	55	74.36	33.73
10-11 years	195	72.26	32.77	154	76.06	34.50
11-12 years	50	72.32	32.80	50	73.86	33.50
12-13 years	8	84.75	38.44	7	92.99	42.18
13-14 years	19	92.84	42.11	8	109.00	49.44
14-15 years	13	97.15	44.07	7		

SECONDARY SCHOOLS. AVERAGE HEIGHTS.

BOYS

GIRLS

AGE GROUPS.	No. Measured.	Inches.	Centimetres.	No. Measured.	Inches.	Centimetres.
11-12 years	13	57.00	144.78	27	57.82	146.86
12-13 years	73	57.58	146.25	174	60.75	154.31
13-14 years	109	59.82	151.94	239	64.64	164.19
14-15 years	233	62.30	158.24	231	61.87	157.15
15-16 years	49	64.22	163.12	144	63.65	161.67
16-17 years	35	67.54	171.55	54	63.91	162.33
17-18 years	30	68.30	173.25	33	64.88	164.80
18-19 years	23	70.47	178.99	1	65.75	167.01
19+	4	67.50	171.45	—	—	—

AVERAGE WEIGHTS.

BOYS

GIRLS

AGE GROUPS.	No. Weighed.	lbs.	Kilograms.	No. Weighed.	lbs.	Kilograms.
11-12 years	13	80.42	36.48	27	86.93	39.43
12-13 years	73	84.03	38.11	174	94.06	42.67
13-14 years	109	92.56	41.98	239	98.76	44.77
14-15 years	233	105.67	47.93	231	111.14	50.41
15-16 years	49	117.82	53.44	144	121.85	55.22
16-17 years	35	125.43	56.89	54	123.46	56.00
17-18 years	30	134.97	61.22	33	130.52	59.20
18-19 years	23	144.00	65.32	1	130.25	59.08
19+	4	135.25	61.34	—	—	—

GEORGE W. BROWN
SECONDARY SCHOOL