Contributors

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CORNWALL COUNTY COUNCIL.

EDUCATION COMMITTEE.

ANNUAL REPORT

OF THE

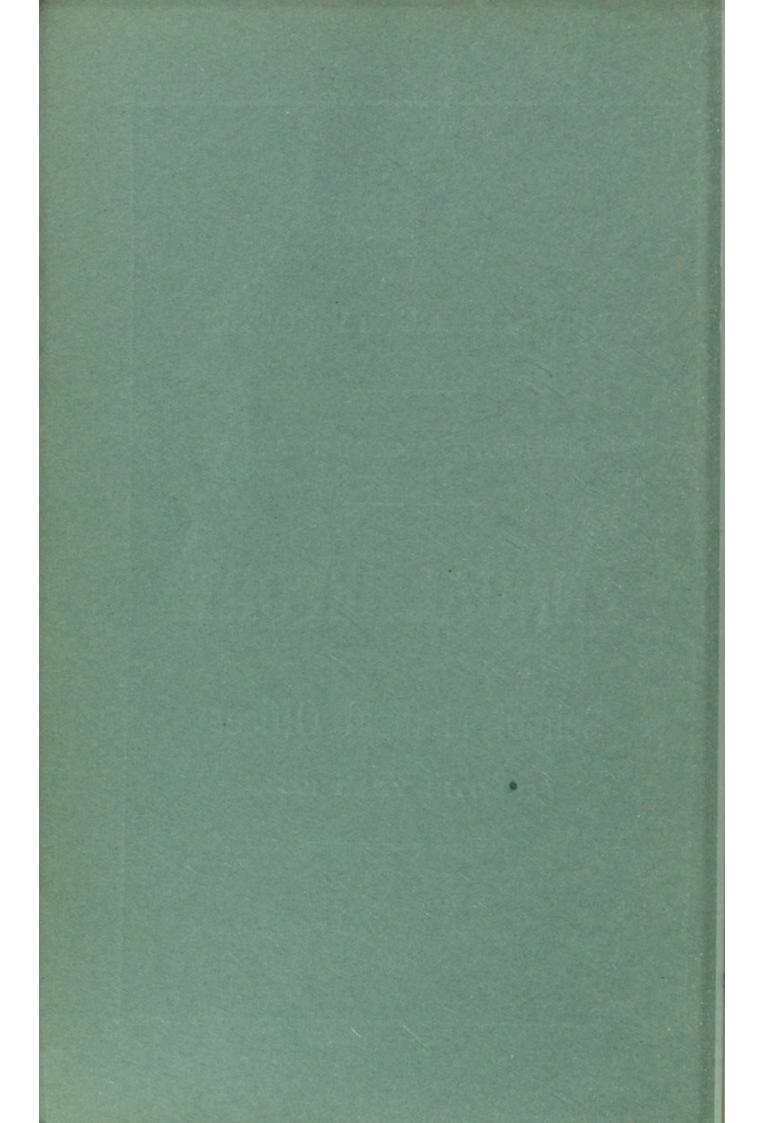
School Medical Officer

FOR THE YEAR 1934.

TRURO :

O. Blackford, Printer by Appointment to T.M. The King and Queen

1935





CORNWALL COUNTY COUNCIL.

EDUCATION COMMITTEE.

ANNUAL REPORT OF THE SCHOOL MEDICAL OFFICER FOR THE YEAR 1934.

School Medical Staff.

School Medical Officer: E. M. Clarke, M.D.Lond.

Assistant School Medical Officers:

Dorothy A. Chown, M.R.C.S. Eng., L.R.C.P. Lond.,
J. A. Clark, M.B., B.S. Lond., M.R.C.S. Eng., L.R.C.P. Lond.,
R. J. E. Hanson, M.A., M.B., B.Ch. Camb.,
F.R.C.S. Ed.,
Elizabeth Macleod, M.D., Ch.B. Ed.

School Dental Surgeons:

W. H. Ellam, B.D.S. Univ. L'pool. F. R. Taylor, L.D.S., R.C.S. Eng.

Dental Nurses:

Mrs. C. D. Good. Miss R. P. Rowe.

Orthopaedic Sister: Miss H. V. Jonsson, C.S.M.M.G., M.E.

School Nurses: Seven Health Visitors and 151 District Nurses give part time to school work.

Statistics.

Area of County:-Eleme	ntary	Educat	ion Area:	(Penzance
and Falmouth Be	orough	s exclu	ided) 863	3,132 acres.
Higher Education A	rea		868	8,167 acres.
Population) Higher E	ducatio	on Are	a 317,	,968
1931 Census & Elementa	ry ,,	,,	282,	,921
School Population (on be	ooks)		Elementary. 36,213	Secondary. 3,497
Average Attendance			32,290	3,186
Number of Schools			295	21
Number of Departments			359	-

Co-ordination.

The School Medical Officer is also the County Medical Officer of Health.

The health visitors and district nurses undertake maternity and child welfare work in addition to school work and tuberculosis work. The superintendents of the County Nursing Association are also the inspectors of midwives. The work of the health visitors and district nurses is co-ordinated under the supervision of the Superintendent of the County Nursing Association and the County Medical Officer.

School Hygiene.

There is no special change to report. Improvements are effected as opportunity offers.

Medical Inspection.

Each Assistant School Medical Officer undertakes all the work in his or her district with the exception of "refraction" which is undertaken by Dr. Hanson throughout the County. Each school is visited twice a year, once for a routine inspection, and once, usually without notice, for re-examination of children previously referred for observation or treatment; children absent at the previous inspection are also seen. Age groups inspected :--

Entrants.

Children 8 years old.

Children 12 years old.

"Specials "selected by parents and teachers and not due for inspection under one of the first three headings.

Findings of Medical Inspection.

The following table gives the numbers of "routine" children referred for treatment per 1,000 examined, in comparison with those for England and Wales.

			England
	Cor 1934.	nwall 1933.	& Wales 1933.
Malnutrition	1934.	1933.	1933.
C1 · 1·	6.6	8.5	9.6
Defects of Vision	58.6	52.8	80.6*
Squint	8.7	8.0	7.8
Other Eye Diseases	3.3	3.7	7.4
Defects of hearing	3.2	4.5	3.3
Otitis Media	3.0	1.8	4.6
Enlarged tonsils	11.0	7.4	20.1
Adenoids	3.8	4.6	3.1
Enlarged tonsils and adenoids	50.3	45.4	16.3
Other nose and throat defects	4.9	2.6	7.1
Defects of speech	0.3	0.3	.1.1
Organic heart disease	0.9	0.3	1.6
Pulmonary tuberculosis:			
(a) Definite	0.08	0	0.1
(b) Suspected	0.26	0	0.5
Non-pulmonary tuberculosis	0	0.08	0.6
Epilepsy	0	0.2	0.3
Chorea	0	.0.08	0.5
Other nervous conditions	0.5	0.7	1.2
Deformities:			
Rickets	0.4	0.2	1.2
Spinal	8.2	6.3	2.5
Other forms	8.9	5.7	6.9
er 1 1 " It's Course the Date	anda harra '	have laft ou	t of account

*In calculating this figure the Entrants have been left out of account.

MALNUTRITION. At the routine inspections 214 children were classified as suffering from malnutrition, and 262 at the special inspections. In the previous year the corresponding figures were 231 and 208. There is no uniform standard which can be adopted by Inspectors and this makes comparison of figures of very little use. In England and Wales the average rate of malnutrition is about 11 per 1,000 of the children seen at the routine inspections, the corresponding figure in Cornwall being 18. This means that a rather high standard is adopted by the Inspectors in the County. The Inspectors do not consider that there has been any appreciable increase in malnutrition during recent years. With a hope of securing a more uniform classification, the Board of Education have asked for the figures for 1935 to be classified in four groups:-(1) Excellent, (2) Normal, (3) Slightly Sub-normal, (4) Bad. The classification should be made on clinical grounds and not based solely on the height and weight of the child. It is hoped that the figures obtained in this way will be more useful for comparison.

UNCLEANLINESS. A nurse usually makes three inspections of a school, i.e. one visit per term. 93,496 examinations were made and 4,819 individual children were found unclean. All cases of uncleanliness, however slight, are recorded even if only one nit is found. This gives a rate of 13% of the children on the books. These figures are not very satisfactory although about the same as for England and Wales. Very much better results are obtained in some schools than in others. In London only 3.8% were found to be unclean in 1933.

MINOR AILMENTS AND DISEASES OF THE SKIN. These figures are only those found at the actual inspections, and teachers are directed to exclude children when necessary. In such cases the nurses are sent to the homes to advise treatment.

VISUAL DEFECTS AND EXTERNAL EYE DISEASE. The visual defects referred for treatment have always been lower than those for England and Wales, the higher figure for England and Wales being apparently due to the fact that in some areas all defects are referred for refraction whether there are symptoms or not. EXTERNAL EYE DISEASE. These are usually only half the number found in England and Wales, and are more commonly found in neglected children in large towns.

NOSE AND THROAT DEFECTS. These defects are rather more common than in England and Wales, and considerable interest has been taken in this question during the last few years. There is no indication that the incidence of the disease is lessening at all.

EAR DISEASE AND DEFECTIVE HEARING. The ear disease found at the routine inspections is usually less than that for England and Wales. Defects of hearing are usually greater owing to the greater number of children with enlarged tonsils and adenoids, which is the most common cause of temporary deafness in school children.

DENTAL DEFECTS. As the dental scheme has only been in operation for four years and only includes the younger children it is impossible to compare the figures with those for England and Wales. There seems no reason to suspect that the incidence of dental disease differs materially from that in England and Wales generally.

ORTHOPAEDIC AND POSTURAL DEFECTS. Here again the scheme for treatment has only been in operation a short time and the numbers referred for treatment are increased by old standing cases for which no treatment has been available previously.

HEART DISEASE AND RHEUMATISM. The figures suggest that this is much less common than in England and Wales generally.

TUBERCULOSIS. These figures refer to cases found in school, which are rare. Most cases are already excluded from school and dealt with under the Tuberculosis Scheme.

Following-Up.

The whole-time health visitors and 151 district nurses attend the routine inspections at the schools and follow up children to their homes on the recommendation of the School Medical Officers.

The nurses try to get the defects treated by medical practitioners if necessary, and help in carrying out the treatment.

I	Whole-tim Iealth Visit		
Number of children followed u	ıp 862	685	1547
Number of visits paid	. 2882	3307	6189
Number of Medical Inspection	IS		
attended	. 213	470	683
Number of Inspections for			
cleanliness	. 217	829	1046
"Following up " Tonsils and			
Adenoids	. 60	83	143

These figures do not show all the work done by the district nurses, as so much of the work is done for school children quite apart from the school examinations.

Arrangements for Treatment.

MALNUTRITION. Until October 1934, Milk was provided in Schools for necessitous children suffering from malnutrition, as in former years, about 450 children receiving milk at any one time and about 1,000 individual children during the year, on the recommendation of the School Medical Officers. In addition about 5,500 children were receiving and paying for one-third of a pint of milk daily under an arrangement made by the Teachers on the lines suggested by the National Milk Publicity Council.

In October, 1934, the arrangements made under the Milk Marketing Board's Scheme were adopted, whereby a child may receive one-third of a pint of milk for a halfpenny. On the recommendation of the School Medical Officers necessitous children are included in this scheme. The Board of Education recommend that whenever possible pasteurised milk should be supplied in schools, but it is not easy in country districts to arrange for pasteurised milk of sufficient cleanliness. It is not only the school milk that children consume, and of course children under school age cannot receive milk in school. The first object is to improve the general milk supply if possible and eventually no doubt it will be considered desirable that milk should be clean and safe. Unfortunately not even the highest grades of milk can be considered absolutely safe, apart from efficient pasteurisation. An enormous amount of work has been done by the Dairy Staff in arranging for the supplies of milk in schools. The Council has now appointed a veterinary surgeon so that it will be possible to give special attention to the milk supplied to schools. At the end of the year 18,233 children were receiving milk in school and of those the milk was paid for by the parents of 17,376 children and by the Education Committee for 857 children. 19 children were being supplied with Cod Liver Oil. The general opinion of the Teachers is that the results are very satisfactory.

UNCLEANLINESS. Advice is given to the parents by the Health Visitors and District Nurses, with good results, except in cases where the mentality of the parents is very low. These tend to become chronic, the children being cleaned periodically but always relapsing.

The nurse may help the parents in the cleansing, but no official cleansing stations are in use.

MINOR AILMENTS AND DISEASES OF THE SKIN. Cases are followed up by the Nurses and receive help in carrying out the treatment. Where medical advice is required cases are referred to general practitioners.

A temporary clinic could be arranged when necessary so that Nurses could deal with greater numbers; for instance in an epidemic of Impetigo.

VISUAL DEFECTS AND EXTERNAL EYE DISEASES. Visual defects are referred to the School Oculist for refraction. The necessary glasses are prescribed, and the majority are provided by the parents. In cases of necessity, on the recommendation of the School Managers, the necessary glasses are provided by the Education Authority. All children in need of examination can be seen at one of the 15 Eye Clinics. See Table IV. Group II.

Children for whom glasses have been prescribed are reexamined every 2 years or oftener, so that it may be ascertained whether any change is required.

The following particulars will amplify the figures given in Table IV. Group II. and will give some indication of the work done in 1934:—

(1) Spectacles prescribed by School Oculist:

	(a) Obtained by parents 389 + 5 on 1933	
	prescription = 394	
	(b) Paid for by L.E.A. 212 + 13 on 1933	
	prescription = 225	
	(c) Not obtained 37	
		656
(2)	New frames prescribed by School Oculist:	
	(a) Obtained by parents 70	
	(b) Obtained by L.E.A 19	
	(c) Not obtained 10	
		99
(3)	Spectacles repaired by L.E.A	15
(4)	" Continue present spectacles "	391
(5)	"No spectacles needed "	82
(6)	Children absent from Eye Clinics:	
	(a) Parents refuse examination 34	
	(b) Child had left school 10	
	(c) Child treated privately 19	
	(d) Child had left district 6	
		69

The treatment of external eye disease is undertaken by the general practitioners with the help of the Nurses.

NOSE AND THROAT DEFECTS. Cases are referred to their own doctors in the first place, and if operative treatment is required, arrangements have been made for it to be given at 12 hospitals in, or adjoining, the County. There should be no difficulty in any child obtaining the necessary treatment. See Table IV. Group III. Not so many children as formerly are recommended for operative treatment by the School Medical Officers. In nearly all cases receiving operative treatment under the Council's scheme the parents are pleased with the immediate results.

EAR DISEASE AND DEFECTIVE HEARING. The arrangements are similar to those for the treatment of nose and throat defects. There is an Ear and Throat department at the Prince of Wales Hospital, Plymouth, to which cases requiring special treatment may be sent.

DENTAL DEFECTS. Two Dentists were appointed in 1931, and arrangements were made for treatment as follows:---

Year.		Age	Gro	ups t	reate	d.	
1931	 	5,	6,	7.			+
1932	 	5,	6,	7,	8.		
1933	 	5,	6,	7,	8,	9.	
1934	 	5,	6,	7,	8,	9,	10.

together with as many "Specials" as time permitted.

The following report made to the Education Committee gives the present position:---

"The following recommendation was approved by the County Council on the 23rd July, 1930:-

> 'That arrangements be made for the inspection during the first year of all children from 5 to 7 years of age, and that these children be kept under observation and treatment during their school life, there being added each year for inspection and treatment all entrants, so that in the 8th year of the scheme all children will be under observation and treatment.

> That two dentists and dental nurses be appointed for the first year.'

This was approved by the Council on the understanding that not more than two dentists would be appointed without the approval of the Council. Eventually six dentists may be reguired. Two dentists and dental attendants were appointed in May, 1931, and the following table gives the work done during the visit to each school about once a year:—

1st Round (10 months): May 1931 — Feb. 1932:	
Ages, 5, 6 and 7 year olds	10,500
Specials examined and when necessary treated	2,000
2nd Round (11 months): Mar. 1932 — Jan. 1933:	
Ages, 5, 6, 7 and 8 yr. olds	14,600
Specials	1,740
3rd Round (12 months): Feb. 1933 — Jan. 1934:	
Ages, 5, 6, 7, 8 and 9 yr. olds	17,500
Specials	1,200
4th Round (Now in progress): Feb. 1934-	

Ages, 5, 6, 7, 8, 9 and 10 yr. olds. Specials.

The maximum time which should be allowed between inspections should be twelve months, although this is longer than is desirable, as disease may start and make considerable progress during the twelve months.

It is now impossible to complete a round in twelve months and the future policy must be considered:---

- Carry on with the present staff on the present lines but leaving out the smaller schools, until eventually only about one third of the children are included;
- (2) Increase the staff by appointing a third dentist and dental attendant, and thus provide sufficient staff to complete a round in one year for the present, and also undertake the inspection and treatment of necessitous children in the secondary schools. Further appointments to be made when it is no longer possible to complete a round in about twelve months.

No. (2) is the better procedure. The secondary school children who have been under observation and treatment in the elementary schools at present are unable to continue under the County Scheme, and in necessitous cases no observation and treatment is obtained.

On the 5th July, 1934, the Education Committee approved of the following recommendation of the Higher Education Committee:-

'That the Education Committee be recommended to arrange for 'necessitous circumstances' pupils in the Authority's secondary schools to receive dental treatment by school dentists.'

The extra cost of a third dentist and dental attendant during the first year would be about £950 and in succeeding years about £850 per annum. The cost of dental treatment for the present year will be about £1,750."

As the Council did not approve of an increased expenditure for the dental services, the work must be carried on by two dentists, the number of schools visited by each being gradually diminished so that the schools remaining in the scheme may be visited once a year.

The following table gives the percentage of children requiring treatment who accepted and received treatment:—

Year	1931	 	Cornwall. 56.0	England and Wales. 63.1
Year	1932	 	63.5	61.3
Year	1933	 	59.9	_
Year	1934	 	63.9	

These figures are about the same as those for England and Wales.

ORTHOPAEDIC AND POSTURAL DEFECTS. See Table IV. Group IV.

In Cornwall there are orthopaedic clinics maintained by the County Council at

Penzance	St. Austell
Tuckingmill	Wadebridge
Truro	Liskeard.

There is also a clinic at Launceston maintained by the Devonian Association and one at Plymouth maintained by the Plymouth Borough Council, at which arrangements have been made for the treatment of cases from Cornwall.

The County Council maintain 14 beds at the Royal Cornwall Infirmary, Truro, and beds are available when required at the Mount Gold Hospital (Plymouth Borough Council), at the Princess Elizabeth Hospital, Exeter (Devonian Association) and the Dame Hannah Rogers' Orthopaedic Hospital School. The clinics and hospitals serve the children of school age and under, and the following is a summary of the work done in 1934:—

New cases seen at the clin		Under School Age. 86	School Age. 205	Total. 291
Total attendance of cases	on			
doctors' days		506	1706	2212
Cases recommended for	ad-			
mission to hospital		35	76	111
Number admitted during	the			
year		24	54	78

The Orthopaedic Surgeon attends each clinic once a month and the Sister attends once a week to carry out the necessary treatment.

POSTURAL DEFECTS. There are many postural defects found in schools, especially in secondary schools, and it may be impossible to refer all such cases to orthopaedic clinics for treatment as the clinics would become overcrowded with minor defect cases. Referring to this question Sir George Newman reports as follows:—

"The minor postural defects can be effectively dealt with by well-chosen physical exercises given daily by an interested class teacher under the general supervision of the physical training organiser. The more severe cases should be selected to attend the remedial exercise school clinic for treatment by the qualified remedial gymnast under the supervision of the school medical officer; and only the most severe cases, and those which do not appear to be responding to the remedial exercises, need to be referred to the orthopaedic clinic. At the same time the necessity for close attention to hygiene, rest and nutrition should not be lost sight of, as well as attention to proper desks and correct sitting and standing."

HEART DISEASE AND RHEUMATISM. Cases seen are referred to private practitioners.

TUBERCULOSIS. Cases suffering from or suspected to be suffering from Tuberculosis are referred to the County Tuberculosis Officer, and arrangements are made for attendance at a clinic, or a visit to the home if necessary.

The notifications of tuberculosis between the ages of 5 and 15 were:-

Pulmonary	 8
Non-pulmonary	 15

The following patients were treated at the Tehidy Sanatorium:---

	ionary.	Non-Pulmonary.
Patients in Tehidy 1.1.34	1	6
Patients admitted during the year	5	8
Patients discharged during the year	3	9
Patients in Tehidy 31.12.34	3	5

INFECTIOUS DISEASE. Full directions are given to the teachers in the Green Handbook. Cases of infectious disease are reported to the County and the District Medical Officer of Health.

Exclusions from school during the year are analysed below:

		Head
	S.M.O.'s.	Teacher's.
Impetigo	 2	53
Scabies	 4	2
Ringworm—		
Body	 2	36
Head	 2	2
Other Skin Diseases	 3	
Verminous Condition	 5	. 4
Infectious Diseases	 7	27
Miscellaneous	 12	1
Totals	37	125

e 19 1

During the year one school was closed for Diphtheria by the Local Sanitary Authority for two weeks.

OPEN AIR EDUCATION. New schools are designed on much better lines than the older schools.

PHYSICAL TRAINING. The County Organiser is making a separate report.

PROVISION OF MEALS. Under Section 84 of the Education Act, 1921, the L.E.A. provides free Milk and Cod Liver Oil for necessitous undernourished children selected by the School Medical Officers. (See also "Malnutrition").

CO-OPERATION OF TEACHERS, SCHOOL ATTENDANCE OFFICERS AND VOLUNTARY BODIES.

CO-OPERATION OF PARENTS. The parents are notified when a child is due for examination; 5,874 parents were present during the examinations (of routines and specials) at the elementary schools, i.e., for 42 per cent. of the children. In some of the towns nearly all the children are accompanied by their parents, showing that considerable interest is taken, but in the rural districts the distances are usually too great.

CO-OPERATION OF TEACHERS. Much of the clerical work falls on the teachers, especially in preparing the schedules for the entrants, sending out notices to parents, etc. The teachers have great influence in persuading the parents to obtain treatment, and more would be done if there were greater facilities for treatment.

CO-OPERATION OF SCHOOL ATTENDANCE OFFICERS. The Attendance Officers try to get absent children brought to the routine inspections when there is some doubt as to their fitness for school.

CO-OPERATION OF VOLUNTARY BODIES, The County Nursing Association and the District Nursing Associations render great assistance by allowing their nurses to attend the medical inspections and to follow up children to their homes. During the year they have also taken part in the cleanliness surveys. N.S.P.C.C. During the year a grant of £5 was made to this Society by the Education Committee. In giving their approval the Board of Education requested that a report of the work done should be included in the Annual Report of the School Medical Officer. Most of the work done by the N.S.P.C.C. is not directly the result of reports from the School Authorities, but the following work was done in response to such reports :—

- 88 children in 33 families. Neglected or ill-treated.
- 19 families very much improved.
- 8 families still under observation.
- 151 visits were made to the homes.

Blind, Deaf, Defective and Epileptic Children.

Teachers and Attendance Officers report to the District Clerk particulars of children alleged to be unable or unfit to attend an elementary school owing to permanent defect, and arrangements are made for a medical examination of such children if possible. If they are attending school the teachers present them for medical examination as "Specials."

Blind and deaf children are sent to special residential or day schools if the parents are willing. Further provision has been made for crippled children in hospital schools while under treatment. Early treatment will diminish the number requiring education in Residential Cripple Schools.

Very few feeble-minded and epileptic children are sent to special schools and then only for some special reason. The general opinion seems to be that special schools for feebleminded children are too expensive, and some less expensive and more permanent solution must be found. At present all feeble-minded children are encouraged to attend elementary schools if they are not too much of a nuisance in school.

The following Table compares the numbers of Defectives ascertained with those in England and Wales.—

	Incidence	per 1,000 a	verage attendance. England
		Cornwall.	& Wales.
Blind (Totally)		0.2	0.4
,, (Partially)		0.2	1.0
Deaf (Totally)		0.5	0.9
,, (Partially)		0.3	0.3
Mentally Defective-E	ducable	5.7	8.6
Epileptics-Severe		0.3	0.6
Tuberculosis-Pulmon	ary	0.1	2.4
,, Non-Pul	lmonary	0.2	1.5
Delicate children		1.5	15.5
Crippled children		1.6	
Heart		1.0	10.0

"Ascertained" means that the children have been examined and classified by the school doctors. Children, for instance feeble minded children, not yet classified by the school doctors are not included in the Tables.

A "defective" child is defined as one who is unfit for education in an elementary school but not unfit for education in a special school or class. The numbers given are only those ascertained to be defective by the School Medical Officers and do not include children not examined by them. It is not possible to examine all children alleged to be defective. The School Medical Officers report very few children as specially needing education in open air schools, as in Cornwall the conditions are very different from those found in the slums of large towns, and often a supply of milk in school effects considerable improvement, which is more likely to be permanent than education in a Special School, as experience shows a tendency for children when discharged from Special Schools to relapse.

There are no Special Schools maintained by the Education Authority, and there is no register showing the after-careers of children who have been maintained in Special Schools. Local Councillors are asked to keep such children under observation and if possible assist them in obtaining suitable employment. As mentally deficient children are not sent to Special Schools it is not possible to notify their names to the Mental Deficiency Committee, and no provision is made for their after-care.

The Cornwall Blind Association is a voluntary body which undertakes the after-care of blind children, and in the same way a Deaf Association has been set up in the County with the object of looking after the interests of the Deaf and Dumb.

HIGHER EDUCATION. Blind children of suitable intelligence are sent by the Authority to the South Devon and Cornwall Institution for the Blind for training on leaving the special school at Exeter. A few pupils are also trained in the Exeter Institution.

The usual method of dealing with blind persons who are in need of further training is to consider the report and recommendations submitted by the Institutions responsible for their education up to the age of 16.

The requirements of other blind persons in need of training are usually brought to the Committee's notice by the Cornwall County Association for the Blind.

One pupil received training during the year 1934 at the S. Devon and Cornwall Institution for the Blind: Course commenced September, 1934.

The records of the after-career of pupils who have completed training, as desired by the Board, would be interesting but are not available at present.

NURSERY SCHOOLS. There are no nursery schools provided by the Authority.

Secondary Schools.

I. (a) During the year the number of the Authority's Secondary Schools was increased from 20 to 21, and their one Junior Technical School was closed. (b) Pupils are submitted to a full medical inspection on admission, and during the years in which they reach the ages of 12 and 15 years; and to a general survey in the intervening years.

(c) All pupils attending the schools are inspected.

II. MEDICAL TREATMENT.

(a) Parents are advised of defects requiring treatment, and pupils are re-inspected in the following term to ascertain the result. There is no "following-up" to the homes by school nurses, except occasionally for special reasons.

(b) Treatment is not provided under arrangements made by the Authority. Occasionally, however, pupils suffering from defective vision are examined by the School Oculist, and glasses are prescribed. In a few cases the Higher Education Committee have recommended the provision of glasses at the cost of the County. Occasionally orthopaedic treatment is provided. Each case is considered on its merits.

(c) The type of pupil for whom treatment is sometimes provided is the "special place" pupil.

Tables I. and II. (Secondary Schools) at the end of the report give the numbers of pupils examined and the results. 3,432 pupils were inspected, and apart from uncleanliness and dental defects treatment was required for 399 pupils—11.6 per cent. Apart from defective teeth, defective vision was by far the most common defect found. 597 parents attended the inspection for girls, and 310 for boys.

The general health of the secondary school pupils compares favourably with that of the elementary school, especially in the case of the boys. The girls tend to develop defects more easily than boys when much time is given to school work. The secondary school pupils are usually the pick of the elementary schools and many of them have received any treatment necessary before coming to the secondary schools. The following Table shows the numbers per 1,000 secondary school pupils examined who were referred for treatment in Cornwall and in England and Wales:—

				Cornwall.	England & Wales
					oc wates
Malnutrition				1.5	3.0
Defective Vision and	d Squ	int		40.1	76.
Eye Disease				2.3	3.
Defective Hearing				1.0	2.
Ear Disease				0.2	3.
Nose and Throat				8.8	22.
Enlarged Cervical C				0.	1.
Heart — Functional	and (Organi	с		
disease				0.4	4.
Anaemia				1.5	9.
Lung disease				0.7	2.
Disease of Nervous	Syste	em		0.5	2.
Teeth				125.6	200.
Spinal Curvature				6.2)	25.
Flat Foot				17.8 5	
Other Defects				20.5	16.

Parents' Payments.

Arrangements for recovering the cost of treatment from parents are as follows:-

- (a) CHILDREN ATTENDING PUBLIC ELEMENTARY SCHOOLS.
 - DENTAL TREATMENT. Treatment is free where the income of the parents falls below the limit fixed by the Committee. Where the income is above this limit, the child brings 1s. to school.
 - TONSILS AND ADENOIDS, ORTHOPAEDIC TREATMENT. Where the income exceeds the limit fixed by the Committee, the County Accountant makes a claim approved by the Chairman or Vice-Chairman of the Committee.

- SPECTACLES. Parents usually pay the optician direct. In necessitous cases an order for glasses is given by the Authority for the optician.
- (b) PUPILS IN SECONDARY SCHOOLS. Treatment is not usually provided and no arrangements are made for payments. In the few cases where treatment is provided the arrangements are similar to those for elementary school children.

Miscellaneous Work.

Medical Examinations of Teachers	35
Examination of Hair for Ringworm	9

MEDICAL INSPECTION RETURNS.

Year ended 31st December, 1934.

Elementary Schools.

TABLE I.

A. Routine Medical Inspections. Number of Inspections in the prescribed Groups

	Entrants			 3,674
	Second Age Group			 3,848
	Third Age Group			 3,883
		٦	Fotal	 11,405
Vur	nber of other Routine Inspe	ction	s	 Nil.
З.	Other Inspections.			
	Number of Special Inspectio	ons		 2,577
	Number of Re-Inspections			 8,528
		-	Fotal	 11,105

TABLE II.

A.-RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION IN THE YEAR ENDED 31st DECEMBER, 1934.

				Routine In	nspections.	Special In	
	Defect or Dises	SE.		© Treatment.	Requiring to be kept under Sobservation, but not requiring Treatment.	 Requiring Treatment. 	Requiring to be kept under © observation, but not requiring Treatment.
	Malnutrition			214	6	262	7
Skin		 on tubercul	 ous)	2 7 5 19 42	$ \frac{1}{1} \frac{1}{1} 10 $	6 	4 2
Eye	Blepharitis Conjunctivitis Keratitis Corneal Opacities Defective Vision	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··		17 14 3 1	2 1 —	² 5 2 –	
Ear	(excluding sq Squint Other Conditions Defective Hearing Otitis Media	···· ···		453 99 3 36 34	95 53 2 18 9	183 40 1 16 14	5 1 1 1
Nose and Throat	Other Ear Disease Chronic Tonsillitis Adenoids only Chronic Tonsillitis Other Conditions			126 44 579 56		16 12 67 5	1 3 22 24
Enlarged Ce Defective Sp	ervical Glands (Non	Tuberculou	s)	8 4	17 9	3 1	-
Heart and Circula- tion. Lungs	Heart Disease : Organic Functional Anæmua Bronchitis	··· ···		11 3 31 33	15 16 6 2	$1 \\ 2 \\ 17 \\ . 1 \\ 2$	13
	Other Non-Tubercu Pulmonary: Definite Suspected		es	25 1 3	52 	2	3
Tuber- culosis	Non Pulmonary : Glands Bones and Join Skin Other Forms	nts		1111			1111
Nervous System Defor-	Epilepsy Chorea Other Conditions Rickets	···· ···			7 5 12 3		523 8
mities Other Defec	Spinal Curvature Other Forms its and Diseases g uncleanliness aud	dental disea	 .ses)	94 102 173	5 28 152	17 23 35	8 15 68
		Totals		2253	729	768	151

B.--NUMBER OF INDIVIDUAL CHILDREN FOUND AT ROUTINE MEDICAL INSPECTION TO REQUIRE TREAT-MENT (EXCLUDING UNCLEANLINESS AND DENTAL DISEASES).

			Number o	f Children
Group. (1)			 Inspected.	Found to require Treatment (3)
PRESCRIBED GROUPS :				
Entrants			 3,674	719
2nd Age Group			 3,848	753
3rd Age Group			 3,883	581
Total (Prescribed Groups)			 11,405	2,053
Other Routine Inspections		/	 · _	_
Grand T	otal		 11,405	2,053

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	Totale	GIBIUL	6	7	19	12	208	8	ũ	2	53	57	36	421	16	437	13
	At no	Institu- tion	-1	53	1	64	39	8	63	61	19	18	17	011	:	ul	
	At	other Institu- tions	1	ł	1	1	9	1	3	õ	53	ñ	1	25		Total	
	At	Elem. Schools		ñ	3	10	157	1	1	1	32	31	18	256			
	At	Special Schools		1	1	1	1	1	I	1	1	3	I	3	:		year
		Mentally Defective		.	1	1	00	1	1	1	1	1	1	3	:		during yea
	s for	Partially Deaf	1	1	1	1	1	1	1	1	1	1	1		:		Committee during
	At Certified Schools	Deaf		1	15	1	1	1	1	1	I	1	1	15	Defects		Deficiency
	At Certi	Partially Blind		1	1	1		1	1	1	1	1		-	Multiple		to Mental Deficiency
		Blind 1	6	1	1	1	1	1	1	1	1	1	1	6	suffering from Multiple Defects		" notified " t
			:	:	:	:	:	:	nary)	:	:	:	:				
•				Blind		Deaf	inded	(Severe)	Tuberculosis (Pulmonary)	therculosis (Non-Pulmonary)			With Heart Disease		Children		Children
			Blind	Partially Blind	Deaf	Partially Deaf	Feeble-minded	Epileptic	Tuberculo	Tuberculosis (Non-Pulm	Delicate	Crippled	With He				

TABLE IV.—RETURN OF DEFECTS TREATED DURING THE YEAR ENDED 31st DECEMBER, 1934.

	NTS (excluding uncleanliness). Number of Defects treated, or under treatment during the year.					
Disease or Defect.	Under the Authority's Scheme.	Otherwise.	Total.			
(1)	(2)	(3).	(4).			
Skin- Ringworm-Scalp- (i.) X.Ray Treatment (ii.) Other Ringworm-Body Scabies Impetigo Other Skin Diseases Minor Eye Defects (External and other but excluding cases falling in Group II.)	6 53 9 113 10 29	$\frac{6}{2}$ $\frac{-}{13}$ 5	12 55 9 113 23 34			
Minor Ear Defects	. 10	1	11			
Miscellaneous (Minor injuries, bruises, sores, chil- blains, etc.)	. 27		27			
Total	. 257	27	284			

GROUP I. MINOR AILMENTS (excluding uncleanliness).

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

	Number	of Defects dea	alt with.
Defect or Disease.	Under the Authority's Scheme.	Otherwise.	Total.
(1)	(2)	(3)	(4)
Errors of Refraction (including squint)	1,210	50	1,260
Other Defect or Disease of the Eyes, (excluding those in Group I).	-	2	2
Total	. 1,210	52	1,262

	(11)	Otherwise		***					00
Total	numbe	r of childre	n who obtain	ned or rec	eived S	pectacles	_		
	(i)	Under the	Authority's	Scheme				·	225
	(ii)	Otherwise							394

TABLE IV.-(Contd.).

GROUP IIITREATMENT OF DEFECTS OF NOSE AND THROAT.
No. of Defects: Received Operative Treatment (1) Under the Authority's Scheme in Clinic or Hospital (i) Tonsils only 4 (ii) Adenoids only 5 (iii) Tonsils and Adenoids 154 (iv) Other defects of the Nose and Throat 1(3) Total (i) Tonsils only 7 (ii) Adenoids only 5 (iii) Tonsils and Adenoids 154 (iv) Other defects of the Nose and Throat 1(3) Total (i) Adenoids only 7 (ii) Adenoids only 5 (iii) Tonsils and Adenoids 154 (i) Other defects of the Nose and Throat 1(3) Total (i) Adenoids 253 (iii) Tonsils and Adenoids 253 (iv) Other defects of the Nose and Throat 34 (5) Total number treated 304
GROUP IVORTHOPAEDIC AND POSTURAL DEFECTS.
 (1) Under the Authority's Scheme: (2) Otherwise: (a) Residential treatment with education (b) Residential treatment with education (c) Residential treatment with with education (c) Residential treatment education (c) Residential trea
GROUP V. DENTAL DEFECTS.
(1) Number of Children who were:- (i) Inspected by the Dentist: Routine Age Groups: Aged 5 1,861 , 6 2,663 , 7 2,721 , 8 2,661 , 9 2,589 , 10 2,302 Permanent Teeth 3,656 Temporary Teeth 191 Total 3,847 Total 3,847 Total 1,268 Temporary Teeth 1,268 Temporary Teeth 1,268 Temporary Teeth 1,268
Specials 1,074
Grand Total 16,961 Total 12,074
 (ii) Found to require treat- ment 15,212 (iii) Actually treated 9,709 (6) Administrations of general anæsthetics for extrac- tions
(2) Half-days devoted to:
(3) Attendances made by chil- dren for treatment 9,747 Total 10,622

Table IV.--(Contd).

GROUP VI. UNCLEANLINESS AND VERMINOUS CONDITIONS.

(1)	Average number of Visits per School made during the year by the School Nurses	2.90
(2)	Total number of Examinations of children in the Schools by School Nurses	93,496
(3)	Number of individual children found unclean	4,819
(4)	Number of children cleansed under arrangements made by the Local Education Authority	none.
(5)	Number of cases in which legal proceedings were taken:	
	(a) Under the Education Act, 1921	none.
	(b) Under School Attendance Bye-laws	none.

Secondary Schools.

Table I.—Medical Inspection of Pupils for the year ended 31st December, 1934.

Routine Examinations.

Entrants	 	 		 1,026
12-year-olds	 	 		 445
15-year-olds	 	 		 417
Other ages	 	 		 1,981
			Total	 3,869

Re-Examinations.

Boys Girls								221
Girls								402
						Total		623
Number	of In	ndividu	al Chi	ildren	exami	ned		3,869
Number								424
(Ex	cludin	g uncle	eanline	ss and	denta	l disease	es).	
					Perc	entage		10,96

Number of Parents or Guardians present at Examinations.

With	Boys	 	 	 310
With	Girls	 	 	 597

					outine ections.	
DEFECT OF	DISEASE.			Requiring Treatment.	Requiring to be kept under observation but not requiring Treatment.	Treated.
(1)			(2)	(3)	(4)
Malnutrition			-	6		3
		•• •	•	34	_	14
Skin Hair				23		9
Defective Vision			•	153	44	143
	••		••	2	44	2
Squint		•• •	•	7	5	4
External Eye Disease		•• •	•	4	-	5
Defective Hearing	• •	•• •	•	4	2 2	2
Ear Disease	••	•• •	••	34	19	19
Nose and Throat	••	•• •	••	04	19	
Enlarged Cervical Glands		•• •	••		_	1
Heart and Circulation	• •	•• •	•	2	8	1
Anæmia		•• •	•	6		1
Lungs	••	•• •	••	3	1	-
Headache			• •	-		-
Nervous System, condition	s other than	n Epilepsy		-	-	
or Chorea		•• •	• •	2	2	2
Epilepsy			• •		-	-
Chorea		••	• •	-	_	-
Overstrain			• •	7	2	1
Spinal Curvature			• •	24	2	14
Flat Foot			• •	69	42	47
Teeth			• •	488		303
Other Defects and Disease	8		• •	79	28	39
	TOTALS			944	157	610

Table II.—Return of Defects found by Medical Inspection in the year ended 31st December, 1934.

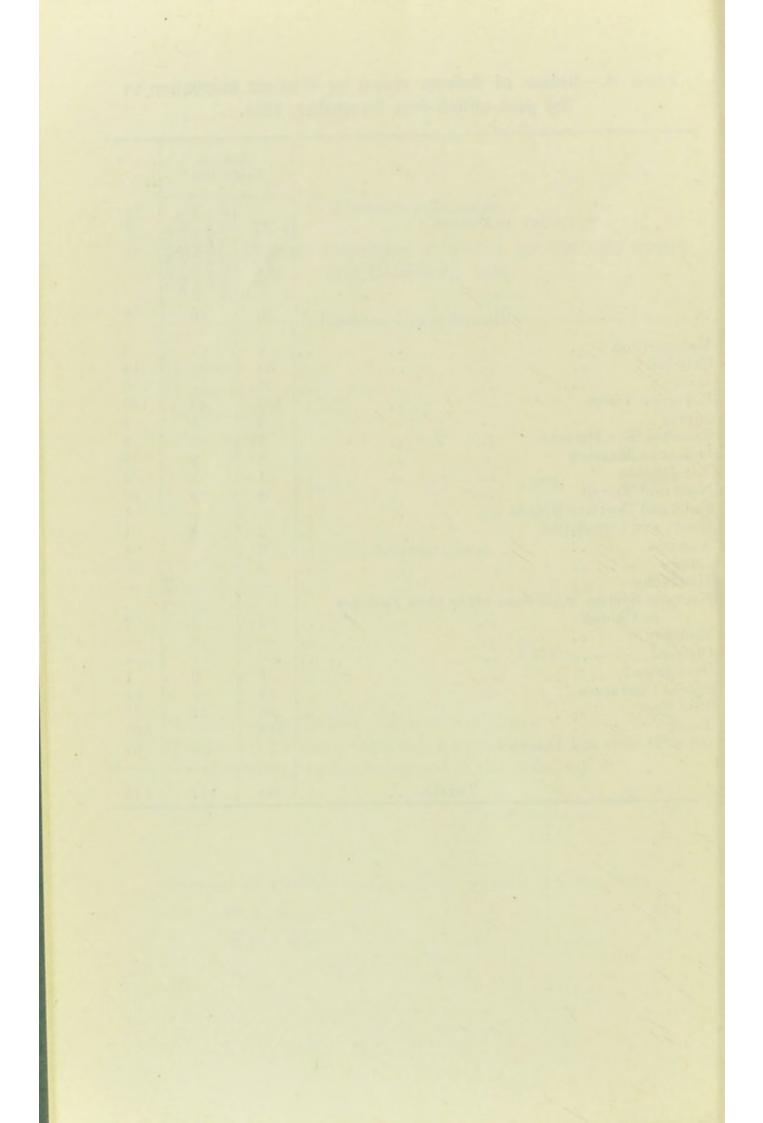


TABLE IV .- RETURN OF DEFECTS TREATED DURING THE YEAR ENDED 31st DECEMBER, 1934.

	Number of Defects treated, or under treatment during the year.			
Disease or Defect.	Under the Authority's Scheme.	Otherwise.	Total.	
(1)	(2)	(3).	(4).	
Skin- Ringworm-Scalp- (i.) X-Ray Treatment (ii.) Other ,, Ringworm-Body Scabies Impetigo Other Skin Diseases Minor Eye Defects (External and other but excluding cases falling in Group II.)	 6 53 9 113 10 29	$\frac{6}{2}$ $\frac{-}{13}$ 5		
Minor Ear Defects	10	1	11	
Miscellaneous (Minor injuries, bruises, sores, chil- blains, etc.)	27	-	27	
Total	257	27	284	

GROUP I. MINOR AILMENTS (excluding uncleanliness).

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

	Number of Defects dealt with.					
Defect or Disease.	Under the Authority's Scheme.	Otherwise.	Total.			
(1)	(2)	(3)	(4)			
Errors of Refraction (including squint).	1,210	50	1,260			
Other Defect or Disease of the Eyes, (excluding those in Group I).	-	2	2			
Total	1,210	52	1,262			

I'otal numbe	r of children for whom	spectacles	were p	rescribed	l—	
(i)	Under the Authority'	s Scheme				 638
(ii)	Otherwise					 35
Total numbe	r of children who obtai	ned or rec	eived S	pectacles	-	
(i)	Under the Authority's	Scheme				 225
(ii)	Otherwise					 394

TABLE IV.-(Contd.).

GROUP III .- TREATMENT OF DEFECTS OF NOSE AND THROAT. No. of Defects :--Received Operative Treatment-(1) Under the Authority's Scheme in Clinic or Hospital— (i) Tonsils only 4 (ii) Adenoids only 5 (iii) Tonsils and Adenoids ... 154 (iv) Other defects of the Nose and Throat 1 (3) Total-(i) Tonsils only ... 7 (ii) Adenoids only ... 8 (iii) Tonsils and Adenoids ... 253 (iv) Other defects of the Nose and Throat ... 2 (4) Received other forms of (2) By Private Practitioner or Hos-Treatment 34 pital, apart from the Authority's (5) Total number treated ... 304 Scheme-(i) Tonsils only 3 (ii) Adenoids only 3 (iii) Tonsils and Adenoids ... 99 (iv) Other defects of the Nose and Throat 1 GROUP IV .- ORTHOPAEDIC AND POSTURAL DEFECTS. (2) Otherwise: (1) Under the Authority's Scheme: Number of Children treated-(i) Residential treatment (i) Residential treatment with with education Not education ... 17 (ii) Residential treatment known. Probably (ii) Residential treatment without education without education ... 47 (iii) Non-residential None. (iii) Non-residential treatment treatment at an at an orthopaedic orthopaedic clinic 510 Total number treated ... 574 GROUP V. DENTAL DEFECTS. (1) Number of Children who were :- (4) Fillings :-(i) Inspected by the Dentist: Permanent Teeth ... 3,656 Temporary Teeth ... 191 Routine Age Groups: Aged 5 ... ,, 6 ... ,, 7 ... ,, 8 ... ,, 9 ... ,, 10 ... Snecials ... 1.861 ... 2.663 Total ... 3,847 ... 2,721 ... 2,661 ... 2,589 (5) Extractions :-- ... 2,302 Permanent Teeth ... 1,268 ... 1,090 Temporary Teeth ... 10,806 Specials ... 1,074 ... Total ... 12,074 Grand Total ... 16,961 -(ii) Found to require treat-(6) Administrations of general anæsthetics for extracment ... 15,212 ctually treated ... 9,709 (iii) Actually treated tions (2) Half-days devoted to :--(7) Other operations :--Inspection ... } ... 831 Permanent Teeth ... 324 Temporary Teeth ... 10,298 Treatment ... 10,298 (3) Attendances made by chil-Total ... 10,622

dren for treatment ... 9,747

Table IV.-(Contd).

GROUP VI. UNCLEANLINESS AND VERMINOUS CONDITIONS.

(1)	Average number of Visits per School made during the year by the School Nurses	2.90
(2)	Total number of Examinations of children in the Schools by School Nurses	93,496
(3)	Number of individual children found unclean	4,819
(4)	Number of children cleansed under arrangements made by the Local Education Authority	none.
(5)	Number of cases in which legal proceedings were taken:	
	(a) Under the Education Act, 1921	none.
	(b) Under School Attendance Bye-laws	none.

Secondary Schools.

Table I.—Medical Inspection of Pupils for the year ended 31st December, 1934.

Routine Examinations.

Entrants	 	 	 	1,026
12-year-olds	 	 	 	445
15-year-olds	 	 	 	417
Other ages	 	 	 	1,981

Total ... 3,869

Re-Examinations.

			Total	 623
Girls	 	 	 	 402
				221

Number of Individual Children examined		3,869
Number of children requiring treatment		424
(Excluding uncleanliness and dental diseas	es).	

at the set

Percentage ... 10.96

Number of Parents or Guardians present at Examinations.

With	Boys	 	 	 310
With	Girls	 	 	 597

	1	Routine Inspections.								
Defect of	6 Requiring	B B	() Treated.							
	L)		1 (4) (0)	(*)					
Malnutrition			. 6		3					
Skin			. 34		14					
Hair			. 23		9					
Defective Vision			. 153		143					
Squint			. 2		2					
External Eye Disease					4					
Defective Hearing			. 4		5					
Ear Disease			. 1		2					
Nose and Throat			. 34		19					
Enlarged Cervical Glands					1					
Heart and Circulation			: 3	2 8	1					
Anæmia					i					
Lungs			1		_					
Handacha					-					
Nervous System, conditions other than Epilepsy										
or Chorea	is other the		1	2 2	2					
Epilepsy					_					
Chorea					-					
Overstrain			: 7	7 2	1					
Spinal Curvature			9,		14					
Flat Foot			6		47					
Teeth			. 48		303					
Other Defects and Disease			. 7		39					
	TOTALS		94	4 157	610					

Table II.—Return of Defects found by Medical Inspection in the year ended 31st December, 1934.

