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Contributors

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PEMBROKESHIRE EDUCATION COMMITTEE

INSTITUTE OF SOCIAL
MEDICINE

10, PARKS ROAD,
OXFORD

ANNUAL REPORT

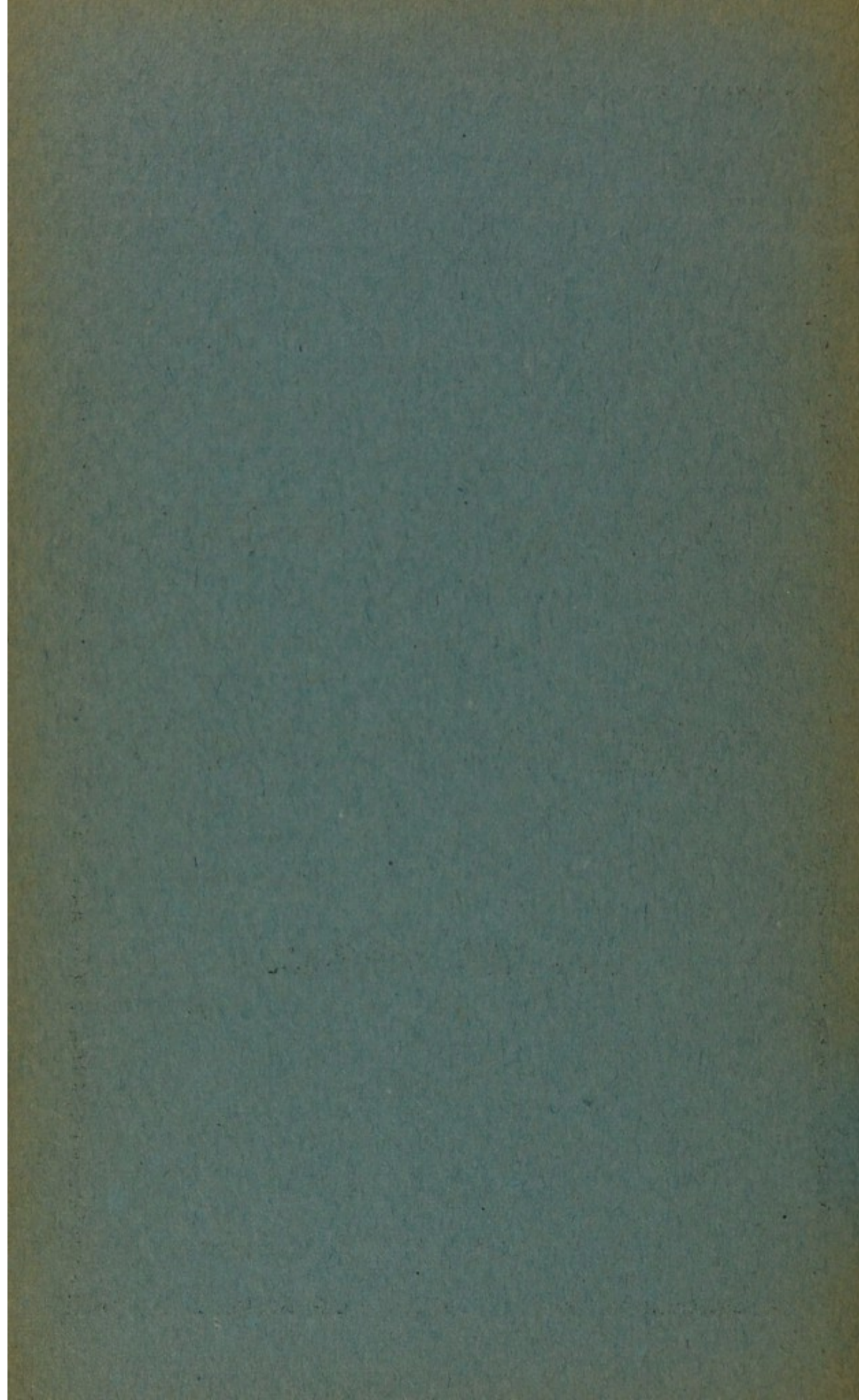
OF THE

SCHOOL MEDICAL OFFICER

FOR THE

YEAR 1946.

PICKFORD & SONS, PENARTH.



COUNTY OF PEMBROKE

10, PARKS ROAD,
OXFORD**PEMBROKESHIRE EDUCATION COMMITTEE****To the Chairman and Members of the Education Committee.**

Mr. Chairman, Ladies and Gentlemen,

I beg to present my Annual Report on the work of the School Medical Service in the County for the year ended 31st December, 1946.

The education area now comprises the whole county, and is identical with the Maternity and Child Welfare area; both are now administered by the County Council. Co-ordination of services is rendered comparatively easy since the School Medical Officers undertake the Maternity and Child Welfare work, and the District Nurses are also the Health Visitors and School Nurses. Every effort is made to secure treatment of defects such as squint and deformities in infancy, so that the child is very often cured or under treatment before it would normally have been seen by the School Medical Officer.

The School Health Service continued co-operation with the District Medical Officers of Health in connection with Diphtheria immunization. The proportion of School children immunized at the end of 1946 was 90 per cent.

Two School Dentists were appointed in May last, and Mr. O. C. Jenkins commenced duties in August; Mr. Hilton has not yet been released from the Army Dental Corps.

I am,

Ladies and Gentlemen,

Your obedient servant,

H. MIDDLETON,

School Medical Officer.

GENERAL INFORMATION.

STAFF OF THE SCHOOL MEDICAL DEPARTMENT, 1946.

Chief School Medical Officer (who is also County Medical Officer):

H. MIDDLETON, M.C., M.B., Ch.B., D.P.H.

Assistant School Medical Officer (who is also Assistant County Medical Officer for Maternity and Child Welfare):

DOROTHY M. REES, M.B., B.S., M.R.C.S., L.R.C.P., D.P.H.

Assistant School Medical Officer (Part-Time):

EVAN J. JONES, L.M.S.S.A.

School Dental Officers:

OWEN C. JENKINS, L.D.S., R.C.S., D.D.S.

E. A. G. HILTON, L.D.S., R.C.S.

D. H. W. HARDING (Part-Time).

Chief School Nurse (who is also County Superintendent of Nurses):

M. A. GIBBS-JONES, S.R.N., S.C.M.

Assistant School Nurses:

E. J. JAMES, S.R.N., S.C.M. (who is also County Health Visitor and Orthopaedic Nurse).

E. MERRIMAN, S.R.N., S.C.M.

School Nurses: 52 PART-TIME DISTRICT NURSES.

Chief Clerk: W. J. AUSTIN.

HEADQUARTERS.

COUNTY HEALTH DEPARTMENT, 23, HILL STREET,
HAVERFORDWEST.

Minor Ailments Clinics:—

School Clinic, 23, Hill Street, Haverfordwest.

Eastgate House Clinic, Narberth.

David Pettit Nursing Home, Milford Haven.

Council School, Fishguard.

Kensington Road, Neyland.

Beaufort House, Victoria Street, Tenby.

School Clinic, Monkton, Pembroke.

School Clinic, Pembroke Street, Pembroke Dock.

GENERAL INFORMATION (Continued).

Area of County (Statutory Acres)	393,003
Average Number of Elementary School Children on Roll ...	9,544
Average Number of Secondary School Pupils on Roll ...	2,993
Number of School Departments in County—Elementary ...	2,993
Number of Secondary Schools	8

PEMBROKESHIRE SOCIETY FOR THE CARE OF CRIPPLES.

Chairman: Mrs. SALMOND, O.B.E., "Craig-y-Mor," Saundersfoot.

Hon. Secretary: Miss NANCY THOMAS, J.P., "Craig-y-Mor,"
Saundersfoot.

Orthopædic Clinic:

COUNTY HOSPITAL ANNEXE, HAVERFORDWEST.

TUBERCULOSIS CLINICS.

(Attended by the Tuberculosis Officer of the Welsh National
Memorial Association).

MEMORIAL CLINIC, COUNTY HOSPITAL ANNEXE,
HAVERFORDWEST.

DAVID PETTIT NURSING HOME, MILFORD HAVEN.

EASTGATE HOUSE CLINIC, NARBERTH.

COTTAGE HOSPITAL, TENBY.

MEYRICK HOSPITAL, PEMBROKE DOCK.

CHURCH HALL, FISHGUARD.

DR. ELLIOTT'S SURGERY, ST. DAVID'S.

DR. GIBBIN'S SURGERY, WHITLAND.

MEMORIAL HOSPITAL, CARDIGAN:

MEDICAL, DENTAL AND CLEANLINESS INSPECTIONS.

The Medical Inspection of Elementary Schools in the County is carried out on the lines laid down by the Board of Education. The groups medically inspected are: 1st group—Entrants; 2nd group—Children aged 8-9; 3rd group—Children aged 12 and over. In addition, children are specially examined at the request of parents, teachers and school nurses at schools, clinics and homes. A second visit is paid to as many schools as possible during the year to re-examine all children referred for treatment or observation at the routine inspection.

Facilities for the examination of children under school age are provided through the Maternity and Child Welfare Centres, and in those rural areas where these centres are not available, parents are encouraged to bring their younger children to the school in their area at the time of the routine school inspection.

In Secondary Schools it has been the practice in this County to examine, as far as is possible, all pupils every year. During recent years this has not been possible, and the inspection has had to be confined to Entrants, pupils brought to the notice of the Medical Officers by the teachers and those pupils who have previously been found defective.

In Dental inspections all children are examined every year. In addition, any child noted at Medical Inspections to be suffering from oral sepsis is specially referred to the Dentist. Treatment is carried out as far as possible at the various clinics. In many of the smaller rural areas this treatment has to be carried out at the schools.

Cleanliness Inspections by the School Nurses are carried out monthly and all children found unclean at these inspections are specially re-examined at the schools or homes.

MEDICAL INSPECTION.

The Numbers examined are:—

Entrants	...	...	1330
Intermediates	...	...	959
Leavers	...	...	536
Specials	...	...	479
Re-inspection	...	...	302
Total	...	...	<u>3606</u>

Of the 3606 children examined at Routine and Special Inspections, 378 or 10.5% were referred for treatment and 323 or 8.9% had defects which necessitated their being kept under observation. The figures for last year were 10.5% and 10.7% respectively.

FINDINGS AT MEDICAL INSPECTIONS.

MALNUTRITION.

The number found to be malnourished was 189, as compared to 139 for last year; the percentage being 5.2 against 4.1 for the previous year.

OTHER DEFECTS AND DISEASES.

	Referred for Treatment.	Referred for Observation.
Defective Vision and Squint ...	122	71
External Eye Defects ...	1	6
Nose and Throat Defects ...	206	104
Ear Diseases, Defective Hearing	3	3
Heart and Circulation ...	—	16
Anæmia	2	4
Tuberculosis	2	1
Orthopædic and Postural Defects	13	20
Enlarged Cervical Glands ...	6	33
Nervous System	2	4

ORTHOPÆDIC TREATMENT.

As far as can be ascertained, all children with crippling defects are under the supervision of the Orthopædic Nurse, and are seen at their homes and at Clinics.

At the end of the year there were 175 children of school age on the Register, and also 62 children under school age. Of these, 75 were new cases found during the year (37 of school age and 38 under school age).

Particulars of Work done at the Orthopædic Clinic.

No. of Clinics held. (Whole days).	No. of New Cases examined		Total Attendances	
	Under 5.	Over 5.	Under 5.	Over 5.
10 Clinical.				
	38	37	86	186
5 Operational Sessions.				

The Orthopædic Specialist carried out 15 manipulations, and 3 operations at the County Hospital during the operational sessions. 9 children were put in special plasters.

33 children were X-rayed at the County Hospital, Haverfordwest.

During the year 14 children of school age and 4 under 5 were admitted to the Prince of Wales Hospital, Cardiff. In addition, 5 children of School age and 1 under 5 were treated at the Monmouth County Hospital at Panteg, owing to lack of beds at the Prince of Wales Hospital. 3 children of school age were treated at the County Hospital, Haverfordwest.

The waiting list at the end of the year was considerably reduced, but there were still 12 children awaiting admission to the Prince of Wales Hospital and 2 to the County Hospital, Haverfordwest

ORTHOPÆDIC CASES IN TRAINING.

1. Boy. Completed treatment and training in bootmaking at Alton, and is now awaiting suitable employment.
2. Boy. Completed treatment at an Orthopædic School and Hospital, and is now fit to attend an ordinary elementary school.
3. Boy. Discharged from the Prince of Wales Hospital, Cardiff, after 4 years' treatment, and is waiting a vacancy for special training.
4. Boy. Started training at Leatherhead.
5. Girl. Started training at St. Loyes College, Exeter.
6.) 2 very crippled girls of 8-9 years of age are in a special school
7.) where they are getting treatment and education at the same time.

SPECIAL APPLIANCES.

2 boys have been fitted with artificial arms.

3 children who were previously fitted with artificial legs have had these overhauled and are all walking well.

2 girls have had new spinal jackets before reaching the age of 16, and are now in full employment.

A large number of simpler appliances have been supplied and others overhauled.

WORK DONE BY ORTHOPÆDIC NURSE.

First Visits to Cases.		Revisits to Cases.		Plasters Renewed and Repaired.	No. of Cases under Remedial Exercises and Treatment.
Under 5	Over 5.	Under 5	Over 5.		
24	20	155	550	19	42

MEDICAL TREATMENT.

VISUAL DEFECTS.

130 cases were submitted for refraction and attended Eye Clinics held at convenient centres throughout the County.

15 children were referred to Dr. Quick, the Ophthalmic Specialist, for special examination on account of some disease to the eye which affected their vision.

Glasses were subscribed in 89 cases.

EAR, NOSE AND THROAT DEFECTS.

177 children received operative treatment for unhealthy Tonsils and Adenoids under the Authority's Scheme, and 19 were treated privately.

17 children were referred to Dr. Robinson, the Ear, Nose and Throat Specialist, for special examination. 3 received operative treatment and the remainder were recommended other forms of treatment.

HANDICAPPED CHILDREN.

This general designation includes children who are blind, partially blind, deaf, partially deaf, delicate, diabetic, educationally sub-normal, epileptic, maladjusted, physically handicapped, and children suffering from multiple disorders and with speech defects. The following table shows the number already assessed in the County, except for diabetic children for whom reliable figures are not yet available.

There are no facilities available within reasonable distance for dealing with maladjusted children, or those with speech defects. In both cases the most suitable arrangements would appear to be the appointment of specialists for a combined area; the number of children needing treatment is small.

There are special classes for the educationally sub-normal children in a few of the larger schools; but the provision of a residential school for a proportion of these children should be considered. It is estimated that four children per thousand need this type of education.

There is a serious lack of accommodation for mentally deficient children, particularly boys. The provision of institutions for low-grade defectives of both sexes is an urgent necessity.

The provision of a special school for delicate children does not appear to be necessary in a rural area; but it would be an advantage if help could be given to parents in allowing a later arrival at school to fit in with local bus services, and the payment of bus fares for the poorer children,

Most epileptic children in the County are able to attend ordinary elementary schools. Where the epilepsy is of a severe nature so as to prevent attendance, there is often a degree of mental deficiency necessitating training in a mental defective institution.

The number of children suffering from multiple disorders is not large. The solution to the problem of their education would appear to be the provision of a residential school in conjunction with neighbouring authorities, with facilities for treatment of their physical disability.

HANDICAPPED CHILDREN.

Defect.	At Public Elementary School.	At Certified Special School.	At Home.	Total.
Blind ...	—	3	—	3
Partially Blind ...	2	—	1	3
Deaf ...	2	8	—	10
Partially Deaf ...	—	—	1	1
Delicate ...	3	—	3	6
Diabetic ...	No figures available.			
Educationally Sub-				
Normal ...	246	—	—	246
Epileptic ...	6	—	6	12
Maladjusted ...	3	—	—	3
Speech Defects ...	11	—	—	11
Physically				
Handicapped ...	5	16	—	21
Multiple				
Disabilities ...	—	—	10	10

TUBERCULOSIS.

All cases of suspected tuberculosis are referred to the King Edward VII. Welsh National Memorial Association, who undertakes the special examination and treatment of these children. During the year 109 children were examined for suspected tuberculosis. Of these, 5 were found to be suffering from Pulmonary Tuberculosis and 8 from Non-Pulmonary Tuberculosis. 4 of these cases have been admitted to Special Certified Schools.

INFECTIOUS DISEASES.

Schools are closed only when such closure is likely to check the spread of infection. Covering Certificates are issued when the attendance falls below 60% and when the Medical Officer is satisfied that the low attendance is due to some infectious disease. During the year

27 schools were closed, due mainly to Measles and Influenza. 7 Covering Certificates were issued.

IMMUNIZATION AGAINST DIPHTHERIA.

Immunization against Diphtheria has proceeded satisfactorily, and continues to be carried out by the District Medical Officers of Health, helped by General Practitioners when necessary, and is done as near as possible after the first birthday of every child.

A very large proportion of infants thus immunized and those who missed treatment in their infancy are done at a later date.

PROVISION OF SCHOOL MEALS AND MILK.

Of the 153 Elementary and Secondary Schools in the County, 127 are served by canteens and are provided with meals up to their full requirements.

Average number of children having meals at School 6828

Average number of children having milk at School ... 8248

FOLLOWING UP.

The system of following up defective children has been carried out on the same lines as in previous years.

Summary of Work Undertaken by School Nurses.

Attendances at Inspections	...	...	98
Visits to Schools re Cleanliness	...	...	1017
Following-up Visits to Homes re Cleanliness	...	...	412
Following-up Visits to Homes re Physical Defects	...	...	329
Attendances at Dental Clinics	...	...	369
Attendances at Minor Ailments Clinics	...	...	1107

Minor Ailments and Skin Diseases.

Tables below show work of School Nurses.

MINOR AILMENTS.

Defect.	Treated by Nurse.	Treated by Parents under supervision of Nurse	Total.	No. of cases cured.
Ringworm—Head	11	12	23	19
Ringworm—Body	20	26	46	41
Scabies	31	47	78	71
Impetigo	291	136	427	392
Minor Injuries	507	17	524	502
Other Skin Diseases	71	25	96	69
Ear Diseases	34	23	57	37
External Eye Disease	31	23	53	40
Miscellaneous	602	157	759	596
TOTAL	1598	465	2063	1767

UNCLEANLINESS.

II.—UNCLEANLINESS.

Number of visits to Schools.	49,358	799	Number of individual children found unclean	Number of children cleansed.		Number of Children found with the following defects.						Dirty and Unsatisfactory Clothing.	63
				By Parents under supervision of Nurse	49	Head.		Body.		Fleabitten.			
						Dirty.	Pediculi.	Nits.	Dirty.	Pediculi.	Fleabitten.		
						37	102	536	31	4	26		

SECONDARY SCHOOLS.

203 pupils were examined at Routine Inspections. Of these, 18 or, 8.9, were referred for treatment and 24, or 11.8, for observation; 49 pupils were also specially examined, and, of these, 26 were found to be defective.

DEFECTIVE VISION.

Twelve were referred for treatment and nine for observation.

MALNUTRITION.

No cases of Malnutrition were found amongst Secondary School pupils examined.

NOSE AND THROAT DEFECTS.

Six cases were referred for treatment and 11 for further observation.

HEART AND CIRCULATION.

Three pupils were found with functional heart defects.

TUBERCULOSIS.

One pupil was referred for further observation.

DEFORMITIES.

No new cases of deformities were found, but six pupils were referred to the Orthopædic Specialist for further review and treatment.

SCHOOL DENTAL OFFICER'S REPORT.

I beg to submit my report on Dental work carried out during 1946.

Mr. C. F. Urwin resigned in April, 1946, and Mr. E. A. G. Hilton and myself were appointed in May of that year.

I commenced duties in August, 1946, but Mr. Hilton has not yet been released from the Services.

Mr. D. W. H. Harding, who is in private practice at Pembroke, continues to act as part-time Dental Officer and carries out Dental Inspection and Treatment in that area.

The Dental Scheme at present comprises of the Inspection and treatment of all children attending Elementary Schools, but it is hoped to include Secondary School pupils when Mr. Hilton joins the staff.

Of the 5,327 children inspected, 2,930, or 55%, were found to require treatment, and, of these, 1,610, or 55%, were actually treated. Owing to the lapse of time between Mr. Urwin's resignation and the new appointments, for four months of the year the School Dental Inspection and Treatment was carried out by only one part-time Dental Officer.

In the more populous areas of the County, the District Nurses find

it difficult to attend the Dental Clinics for the long periods involved. It may be necessary, therefore, as the service develops, to appoint Dental Attendants.

OWEN C. JENKINS,

School Dental Officer.

ELEMENTARY.

TABLE I.

MEDICAL INSPECTION OF CHILDREN ATTENDING PUBLIC ELEMENTARY SCHOOLS.

A. Routine Inspections.

Number of Inspections in the prescribed groups:—

Entrants	...	...	...	...	1330
Second Age Group	...	...	...	...	959
Third Age Group	...	...	...	...	536
Total	...	...	...	...	2825

B. Other Inspections.

Number of Special Inspections	...	...	...	479
Number of Re-Inspections	...	...	...	302
Total	...	...	...	781

TABLE II.

Classification of the Nutrition of children inspected during the year in the Routine Age Groups.

TABLE II.

Classification of the Nutrition of Children inspected during the Year
in the Routine Age Groups.

Age Groups.	Number of Children inspected	A. Excellent.		B. Normal.		C. Slightly subnormal.		D. Bad.	
		No.	%	No.	%	No.	%	No.	%
Entrants	...	140	10.5	1082	83.6	78	5.9	—	—
Second Age Group	...	99	10.3	776	80.9	84	8.8	—	—
Third Age Group	...	66	12.3	442	82.4	27	5.3	—	—

TABLE III.

TREATMENT TABLES.

Group I.—MINOR AILMENTS (excluding Uncleanliness).

Total number of Defects treated or under treatment during
the year under the Authority's Scheme ... 2063

Group II.—DEFECTIVE VISION AND SQUINT.

Disease or Defect. (1)	No. of Defects dealt with. Under the Authority's Scheme. (2)
Errors of Refraction (including squint) ...	123
Other defect or disease of the eyes (excluding those recorded in Group I.) ...	7
Total ...	130
No. of Children for whom Spectacles were:—	
(a) Prescribed ...	89
(b) Obtained ...	89

Group III.—TREATMENT OF DEFECTS OF NOSE AND THROAT.

		Number of Defects.	
Operative Treatment.	Other Forms of Treatment.	Total.	
177	16	193	

TABLE IV.

DENTAL INSPECTION AND TREATMENT.

1. Number of Children inspected ...	5327
2. Number found to require treatment ...	2930
3. Number actually treated ...	1610
4. Attendances made by children for treatment ...	1726
5. Half-days devoted to:—	
Inspection ...	100
Treatment ...	255

6. Fillings:—						
	Temporary Teeth	...	...	...	...	5
	Permanent Teeth	...	...	...	...	279
	Total	...	...	...	...	284
7. Extractions:—						
	Temporary Teeth	...	...	...	...	1633
	Permanent Teeth	...	...	...	...	246
	Total	...	...	...	...	1879
8. Administration of General Anæsthetics		...	...	...	...	—
9. Other operations						
	Temporary Teeth	...	...	...	...	6
	Permanent Teeth	...	...	...	...	12
	Total	...	...	...	...	18

TABLE V.

UNCLEANLINESS AND VERMINOUS CONDITIONS.

1. Average number of visits per school made during the year by School Nurses	...	...	...	9
2. Total number of examinations of children in the Schools by School Nurses	...	...	...	49358
3. Number of individual children found unclean	...	...	...	799
4. Number of children cleansed under Section 87 (2) and (3) of the Education Act, 1921	...	...	...	721
5. Number of cases in which legal proceedings were taken:—				
(a) Under the Education Act, 1921	...	...	...	—
(b) Under the School Attendance Bye-laws	...	...	...	—

SECONDARY.

MEDICAL INSPECTION RETURNS.

Number of Code Inspections	...	...	...	...	203
Entrants	...	...	...	...	148
Second Age Group	...	...	...	...	50
Third Age Group	...	...	...	...	5
Special Inspections	...	...	...	...	49
Total	...	...	...	...	252

TREATMENT RETURNS.

Defective Vision and Squint (excluding Minor Eye Disease treated as Minor Ailments).

Disease or Defect.	Number of Cases dealt with		
	Under the Authority's Scheme.	Otherwise.	Total.
	12	3	15
Errors of Refraction	—	—	—
Other Defects or Disease of the Eyes ...	12	3	15
Total			
No. of Pupils for whom Spectacles were:			
(a) Prescribed	8	—	8
(b) Obtained	8	—	8

Classification of the Nutrition of Pupils inspected during the year in
the Routine Age Groups.

Age Groups.		Number of Pupils inspected	A.		B.		C.		D.	
			Excellent.		Normal.		Slightly subnormal.		Bad.	
			No.	%	No.	%	No.	%	No.	%
Entrants	...	148	3	2.0	145	98.0	—	—	—	—
Intermediates	...	50	—	—	50	100.0	—	—	—	—
Leavers	...	5	1	20.0	4	80.0	—	—	—	—
Total	...	203	4	2.0	199	98.0	—	—	—	—

Continuation of the list of plants in the collection of the University of California, Berkeley, California.

No.	Locality	Date
1	San Francisco	1881
2	San Francisco	1881
3	San Francisco	1881
4	San Francisco	1881
5	San Francisco	1881
6	San Francisco	1881
7	San Francisco	1881
8	San Francisco	1881
9	San Francisco	1881
10	San Francisco	1881
11	San Francisco	1881
12	San Francisco	1881
13	San Francisco	1881
14	San Francisco	1881
15	San Francisco	1881
16	San Francisco	1881
17	San Francisco	1881
18	San Francisco	1881
19	San Francisco	1881
20	San Francisco	1881
21	San Francisco	1881
22	San Francisco	1881
23	San Francisco	1881
24	San Francisco	1881
25	San Francisco	1881
26	San Francisco	1881
27	San Francisco	1881
28	San Francisco	1881
29	San Francisco	1881
30	San Francisco	1881
31	San Francisco	1881
32	San Francisco	1881
33	San Francisco	1881
34	San Francisco	1881
35	San Francisco	1881

