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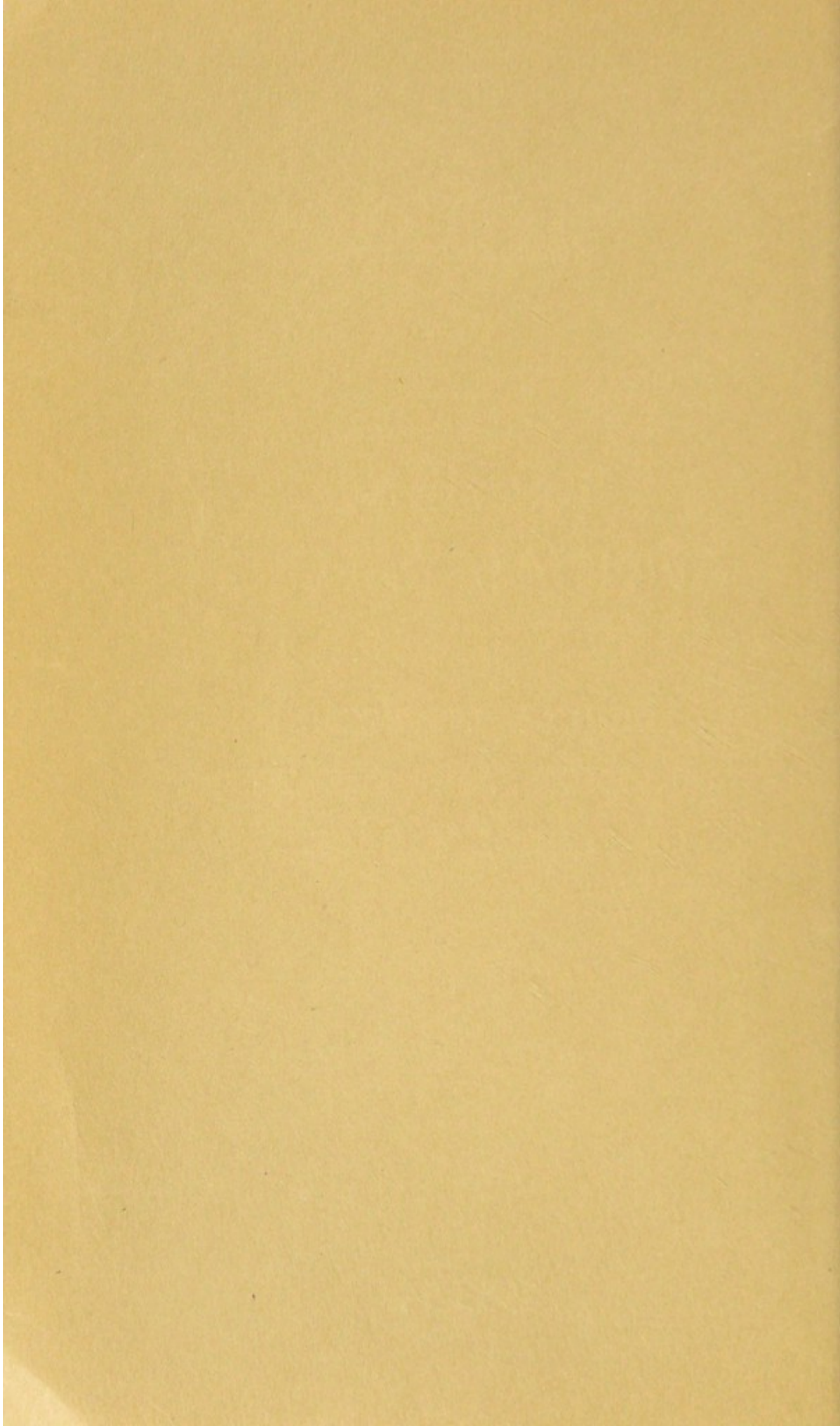
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County Council of the County of Lanark
EDUCATION COMMITTEE

FORTY-FIFTH
ANNUAL REPORT

ON THE
MEDICAL INSPECTION,
SUPERVISION, AND TREATMENT
OF SCHOOL CHILDREN

1953-54



County Council of the County of Lanark
EDUCATION COMMITTEE

FORTY-FIFTH
ANNUAL REPORT
ON THE
MEDICAL INSPECTION,
SUPERVISION, AND TREATMENT
OF SCHOOL CHILDREN

1953-54

ROBERT ANDERSON & SONS, LTD., PRINTERS, GLASGOW.

County of ... State of ...

ANNUAL REPORT

OF THE ...

1900

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COUNTY COUNCIL OF THE COUNTY OF LANARK.

TO THE CHAIRMAN AND MEMBERS OF
THE EDUCATION COMMITTEE.

I submit the Annual Report on the School Health Service in your administrative area for the year ending 31st July, 1954, prepared in accordance with the terms of D.H.S. Circular No. 60/1938 and amending Circulars.

D. MACLEOD.

Senior Assistant Medical Officer of Health (Schools).

SCHOOL MEDICAL DEPARTMENT,
COUNTY HEALTH OFFICES,
HAMILTON, JANUARY, 1956.

STAFF.

County Medical Officer and
Chief Executive School Medical Officer.

ANDREW G. REEKIE, M.B., Ch.B., D.P.H.

Senior Assistant Medical Officer of Health (Schools).

D. MACLEOD, M.B., Ch.B., D.P.H.

Assistant School Medical Officers.

JANET M. BRUCE, M.B., Ch.B.
JANET B. CUNNINGHAM, M.B., Ch.B., D.P.H.
ALEX. C. DOUGLAS, M.B., Ch.B., D.P.H.
HELEN R. T. HOOD, M.B., Ch.B., D.P.H.
ROY R. HOUSTON, M.B., Ch.B., D.P.H.
VIDA J. PERRY, M.B., Ch.B.
ELIZABETH M. POLLOCK, M.D.
MARION A. PRENTICE, M.B., Ch.B.

Part-time Ophthalmic Surgeons.

SAMUEL GALBRAITH, M.B., Ch.B., D.O.M.S.
JAMES HILL, M.B., Ch.B., D.O.M.S.
JOHN A. MORTIMER, M.D., F.R.C.P.E.
ALFRED G. SHANKS, M.B., Ch.B., D.P.H., D.O.M.S.
(1) WILLIAM A. M. SMITH, M.B., Ch.B., D.O.M.S.

Part-time Ear, Nose and Throat Specialist.

(2) ROBERT A. GRAY, M.B., Ch.B.

Nurses.

MARY M. BENNETT	MARY A. M'FADDEN
JESSIE M'K. BLACK	SUSAN M'FADYEN
(3) MARTHA CHISLETT	EMILY M'GEE
RACHEL B. I. DOBIE	MARGARET S. M. MACKINNON
ANNIE N. DOUGLAS	MARGARET NEILSON
ADA FOWLIE	HELEN PARK
JEAN L. GREEN	HELEN O. PENRICE
MARIA HUGHES	ANN A. PRENTICE
CATHERINE C. JOHNSTON	BERNICE SHEVLIN
MARY W. JOHNSTON	ANNE I. SORLEY
JANE KENNEDY	(6) MARY STEWART
CATHLEEN LENAGH	MARGARET C. R. SUTTER
(4) CHRISTINA M'G. MITCHELL	MARY WALLACE
(Temp.)	MARY L. WATSON
EUPHEMIA MACDOUGALL	ELIZABETH WILLIAMSON
(5) MARGARET M'FADDEN	(Temp.)

Clerical Staff.*Chief Clerk*—JOHN PORTER

MARK ALLAN	MARY B. GOUGH
MARGARET BARR	ARCHIBALD MASON
MARY W. BOYD	MARION P. SINCLAIR
AGNES J. BROWN	RAYMOND SMITH

Dental Department Staff (see page 26).

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- | | |
|----------------------|-----------------------|
| (1) Resigned 11/3/54 | (4) Resigned 16/11/53 |
| (2) Resigned 15/3/54 | (5) Commenced 10/5/54 |
| (3) Resigned 30/4/54 | (6) Resigned 24/7/54 |

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**REPORT on the MEDICAL INSPECTION, SUPERVISION
and TREATMENT of SCHOOL CHILDREN in the
COUNTY OF LANARK for the year ended 31st July,
1954.**

1. LIST OF STAFF.

The personnel of the medical, nursing and clerical staff is shown on page 4 of the Report. (Dental staff on page 26).

Changes in personnel which have occurred since the last Report are also indicated.

2. GENERAL STATISTICS.

The number of schools in the educational area is as follows :—

(a) Primary	...	...	...	...	...	...	} 217
(b) Junior Secondary	...	...	...	...	...	...
(c) Secondary	...	...	...	...	...	...	13
(d) Special Schools	...	...	...	...	...	...	5
(e) Nursery Schools	...	...	...	...	...	...	2
(f) Special Classes at Certified Institutions	...	...	...	...	...	...	2
(g) Technical Colleges	...	...	...	...	...	...	4
(h) Agricultural College	...	...	...	...	...	...	1
Population of the area (estimated, 1948)	...	...	...	...	...	...	533,451
*Number of children on the school registers	...	...	...	...	...	...	94,293
Number of children in average attendance	...	...	...	...	...	...	85,405

* The figures are taken from the official return for June, 1954.

3. SANITARY CONDITION OF SCHOOLS.

An important assignment in the programme of each School Medical Officer is the School Hygiene Report. This is furnished as required under Section 20(3) of the Education (Scotland) Act, 1946, on a special record card. This record describes in each school items such as heating, lighting, condition of classrooms, lavatories, washing facilities, etc.

The reports reveal criticism of older amenities and urge reforms of various types. Details are sent to the County Architect who considers what is possible and undertakes repairs. It is impossible to say that existing defects lead to spread of disease but health education becomes difficult where general facilities for cleanliness are meagre and inadequate.

Work on new schools, extensions completed since July, 1953, has been as follows :—

Stonehouse J.S. School	...	Additions and Adaptation.
Lesmahagow J.S. School	...	Lavatories, etc.
Auchengray P. School	...	Central Heating and Cloakroom accommodation.
Drumclog P. School	...	Elect. Installation.
Cleland R.C. J.S. School	...	Extension.
Netherton P. School	...	Hot water system and improved scullery facilities.
Auchinraith Special School	...	Heating improvements.
Bellshill Academy (Domestic Science Block)	...	Remodelling.
Carluke J.S. School	...	Heating installation in H.O.R.S.A. buildings.
Kildonan J.S. School Coatbridge	...	Heating installation in H.O.R.S.A. buildings.
Holytown P. School	...	Internal alterations.
Low Blantyre P. School	...	Central Heating.
Quarter P. School	...	New Lavatories.
Auchinairn P. School	...	Piping of open ditch.
Strathaven Academy (Crosshill Annexe)	...	Improvements to scullery facilities.
Auchenheath P. School	...	Improvements to scullery facilities.
Glengowan P. School	...	Improvements to scullery facilities.
Glenboig R.C. P. School	...	Improvements to scullery facilities.
New Stevenston J.S. School	...	Reconstruction of hut for School Meals Service.
Stonehouse J.S. School...	...	Adaptation of hut for School Meals Service.
Cleland J.S. School	...	Lavatories and Hot and Cold Water installation.
Viewpark R.C. School	...	Extension.
Walston P. School and School-house	...	Alterations.
Carstairs Jct. J.S. School	...	Adaptations and alterations.

4. ORGANISATION AND ADMINISTRATION.

A. SYSTEM AND EXTENT OF MEDICAL INSPECTION AND TREATMENT.

Systematic examinations remain the basic source of our information regarding the health of the school child. He is asked to present himself for examination at the age of 5, 9, 13 and 16 years. This year, therefore, those examined were children born in :—

1948.

1944.

1940.

1937.

1946—Vision and hearing only.

That routine medical examination is still necessary is shown by the fact that 54 per cent of all school entrants examined during the year had defects of one type or another. Many are speedily remediable, but could develop if not treated and followed up.

Supplementary classroom inspection is now a regular feature which follows the school doctor's routine examination. Teachers are thus able to bring to the notice of the physician any child not included in the scheduled examination, for special overhaul.

Parents regularly accompany the entrant child but interest appears to have waned by the time the later examinations are carried out.

Numerous special examinations, e.g. pre-apprenticeship, school attendance, Remand Home, come within our remit and will be detailed later.

Treatment of minor ailments appears not to have changed with the coming of the National Health Service. Attendances at such clinics during the year numbered 81,201.

Special school visits to undertake immunisation for diphtheria were made.

Children suffering from serious conditions, such as epilepsy, anaemia, rheumatism, orthopaedic defects, etc., received their treatment through family doctor, Consultant or Hospital.

B. SYSTEM AND EXTENT OF DENTAL INSPECTION AND TREATMENT.

The report of the Chief Dental Officer appears in Section 7, page 27.

C. SCHOOL NURSING AND ARRANGEMENTS FOR "FOLLOWING-UP".

School Nursing arrangements remain as described in my last report.

D. CO-ORDINATION WITH PUBLIC HEALTH SERVICES.

Links grow with County and Burgh Public Health Services and add greatly to an effective contribution to the Community, and I think theirs.

Co-operation includes the following :—

- The use of clinic accommodation.
- Contacts between nursing staffs.
- Control of infectious disease in schools.
- Treatment of scabies and verminous conditions.
- Treatment of ringworm.
- Ultra violet ray treatment.
- X-ray examination of chest conditions.
- Numerous administrative co-activities.

E. CO-OPERATION WITH VOLUNTARY BODIES AND OTHER OUTSIDE AGENCIES.

Recent growth of certain voluntary agencies reveals fields in which they work along parallel lines with us and we are particularly grateful for the work of the R.S.P.C.C., the Red Cross Society and the St. Andrew's Ambulance Association.

F. CO-OPERATION WITH TEACHERS AND PARENTS.

Team work with parents and teachers is essential if the work of the School Health Service is to issue in improvement of health among pupils.

On visiting school, the Head Teacher is contacted and the Medical Officer discusses with him, the routine procedure of the medical inspection. During the progress of the inspection, Headmaster and teachers frequently look in to discuss individual pupils, or other health matters with the visiting doctor.

As has been said on previous occasions, parents attend more regularly with entrant children than with those in the older age groups.

Parent-Teacher Associations are now requesting more frequently, the services of medical staff for their meetings and these occasions give rise to valuable opportunities for discussion of health problems.

5. FINDINGS OF MEDICAL INSPECTION.

Table I(A) provides details of the numbers of children examined in the various age groups. These numbered in all 28,364, and their school health record reveals the findings, which are detailed in the following pages.

Table I(B) gives the number of special (non-routine) cases examined at school (11,047) and those re-examined by the doctors at their subsequent visits. From this Table also, it will be seen that 4,752 pupils were notified to their parents as suffering from conditions requiring treatment.

These conditions are shown in Table II where each age group is noted separately.

The following Table shows the average heights and weights of school children in the County and gives satisfactory evidence of maintained standards :—

AGE	AVERAGE HEIGHT IN INCHES.							
	5½		9½		13½		16½	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Anthropometric Committee's Standard ...	41.2	41.0	51.9	51.2	56.6	57.8	64.3	61.8
County of Lanark ...	43.42	43.0	52.33	51.66	60.32	60.21	68.51	64.19

AGE	AVERAGE WEIGHT IN LBS.							
	5½		9½		13½		16½	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Anthropometric Committee's Standard ...	40.5	40.0	64.9	59.3	82.6	87.0	119.0	112.7
County of Lanark ...	45.23	41.39	66.50	63.79	97.21	101.02	140.82	119.87

Condition of Clothing.—The number of children found at routine inspection who had defective clothing was 360 boys and 354 girls, a total of 714 or a percentage of 2.52.

Number of children examined	...	...	...	28,364
Number with defective clothing	...	...	...	714
Percentage	...	...	...	2.52
Percentage last year	...	...	...	2.88
Number of special cases found defective	...	...	...	179

Footgear unsatisfactory.—The condition of the footgear showed a similar figure to that of last year. 75 boys and 30 girls, a total of 105, were recorded as having defective footwear.

Number of children examined ...	...	...	...	28,364
Number with defective footwear ...	...	...	...	105
Percentage ...	...	...	...	0.37
Percentage last year ...	...	...	...	0.41
Number of special cases found defective ...	...	...	...	20

Uncleanliness of Head.—This is divided into three categories—nits present, lice present and simple dirtiness. The total of these three groups was 2,242 ; 435 boys and 1,807 girls, or a percentage of 7.99. This figure is a decrease on 9.1 in the previous year.

Details of each group are as follows :—

<i>Number of children examined.</i>	<i>Number with Nits.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
28,364	2,092	7.47	8.61	659
	<i>Lice present.</i>			
28,364	131	0.46	0.41	87
	<i>Dirty only.</i>			
28,364	19	0.07	0.07	7

Uncleanliness of Body.—This is divided also into three groups as in Uncleanliness of Head, i.e., nits present, lice present and simple dirtiness. 186 boys and 99 girls were recorded, a total of 285 or .998 per cent.

<i>Number of children examined.</i>	<i>Number with Nits.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
28,364	1	0.003	0.02	—
	<i>Lice present.</i>			
28,364	2	0.007	0.02	1
	<i>Dirty only.</i>			
28,364	282	0.99	1.09	43

Diseases of the Skin.—Under this group heading are included diseases of the skin of the head and body. The total number of children suffering from diseases of the skin of the head was 342 ; 204 boys and 138 girls, a percentage of 1.2. They are classified as (1) Ringworm, (2) Impetigo and (3) Other diseases.

(1) Number of children examined ...	...	...	28,364
Number with Ringworm of the head ...	...	...	1
Percentage ...	...	...	0.003
Percentage last year ...	...	...	0.014
Special cases found affected ...	...	...	1

The total number affected (2) compares favourably with 6 in the previous year.

(2) Number of children examined	...	...	...	28,364
Number with Impetigo (head)	...	...	...	90
Percentage	...	...	...	0.31
Percentage last year	...	...	...	0.24
Special cases found affected	...	...	...	58

These figures show an increase in Impetigo. The total of 148 compares with 113 in the year previous.

(3) Other diseases of Head include all other diseases of the head except Ringworm and Impetigo.

Number of children examined	...	...	...	28,364
Number found affected	...	...	...	251
Percentage	...	...	...	0.88
Percentage last year	...	...	...	0.65
Special cases affected	...	...	...	66

Diseases of the Skin of the Body.—These diseases are classified into Ringworm, Impetigo, Scabies and Other diseases. The total number affected was 1,036: boys 593, girls 443, or a percentage of 3.64.

<i>Number affected with Ringworm.</i>	<i>Number of children examined.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
4	28,364	0.014	0.03	—
<i>Number affected with Impetigo.</i>				
102	28,364	0.36	0.16	75
<i>Number affected with Scabies.</i>				
12	28,364	0.042	0.08	10
<i>Number with Other Diseases.</i>				
918	28,364	3.23	3.06	287

These figures show a decrease in Ringworm, a total of 6 cases as against 15 in the previous year. Scabies continues to show a decline, 22 cases being recorded as against 29 in the previous year, and if this improvement is continued, the numbers of Scabies cases will soon be down to the low numbers of pre-war years. The figures for Other Diseases of the Skin of the body are slightly more than those of last year (1,205 this year; 1,125 last year).

Malnutrition.—This subject is of special public interest and is generally defined under two degrees (1) Slight and (2) Bad. During the past year those recorded under (1) numbered 272, a figure which keeps falling. The number recorded suffering from more definite symptoms was 8, giving a total number under the general heading of malnutrition of 280, or a percentage of .99, as compared with a percentage of 1.34 in the previous year. The number of children recorded for slight malnutrition was 272 or a percentage of .96 as compared with 366 and a percentage of 1.28 in the previous year. Those suffering from more marked malnutrition numbered 8, a percentage of .03 as compared with 18 and .06 in the past year.

Details are given below :—

<i>Number of children examined.</i>	<i>Number found suffering from slight malnutrition.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
28,364	272	0.96	1.28	3
	<i>Number with malnutrition.</i>			
28,364	8	0.03	0.06	4

The balanced school meal and the provision of school milk have undoubtedly played a part in the virtual elimination of malnutrition, but it is still in our view advisable for this aspect to be kept in mind during school medical examinations.

Oral Sepsis.—133 boys and 141 girls, or a percentage of 0.97, were recorded as suffering from septic conditions of the mouth.

Number of children examined	...	...	...	28,364
Number affected	...	...	...	274
Percentage	...	...	...	0.97
Percentage last year	...	...	...	1.098
Special cases	...	...	...	15

Diseases of the Naso-Pharynx.—These include diseases of the Nose—totalling 1,934 ; boys 1,055, girls 879, or a percentage of 6.81, Diseases of the Throat—total 4,593 ; boys 2,281, girls 2,312, or a percentage of 15.84, and Diseases of Glands—total 1,899 ; boys 1,022, girls 877, or 6.69 per cent. The total number of all three

categories was 8,426 or 29.33. Below is a tabular statement :—

<i>Conditions.</i>	<i>Number examined.</i>	<i>Number found defective.</i>	<i>Percentage last year.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Nasal conditions for observation ...	28,364	1,211	4.26	3.48	26
For treatment (Adenoids) ...	28,364	289	1.02	1.27	67
Other conditions of Nose ...	28,364	434	1.53	1.96	68
Tonsils for observation ...	28,364	3,308	11.31	12.99	67
Tonsils for treatment	28,364	1,285	4.53	4.31	239
Glands for observation ...	28,364	1,871	6.59	5.88	18
Glands for treatment	28,364	28	0.098	0.105	8

External Eye Diseases.—These include Blepharitis, Conjunctivitis, Corneal Opacities, Squints and Other diseases of the external eye. The total number affected was 1,524; boys 808, girls 716, or a percentage of 5.36. Details are given below :—

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found affected.</i>	<i>Percentage last year.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Blepharitis ...	28,364	648	2.28	2.38	159
Conjunctivitis ...	28,364	115	0.40	0.55	57
Corneal Opacities	28,364	7	0.024	0.07	2
Squints ...	28,364	644	2.27	2.51	104
Other Diseases ...	28,364	110	0.39	0.46	63

Visual Acuity.—This is divided into two classes—(1) Those with 6/9 or 6/12 in the better eye with or without glasses. This is termed "Fair Vision", (2) Those with 6/18 or worse in the better eye with or without glasses. This is "Bad Vision". The number of children in these two categories, was boys 847, girls 990 with a total of 1,837 or 10.36 per cent.

<i>Visual Acuity.</i>	<i>Number of children examined.</i>	<i>Number found defective.</i>	<i>Percentage last year.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
6/9 or 6/12 in better eye ...	*17,761	1,498	8.45	8.415	194
6/18 or worse in better eye ...	17,761	339	1.91	2.061	101

*Infant and 7-year-old children not included.

The number of children recommended for treatment of errors of refraction was 1,002 or 5.64 per cent, as compared with 6.13 per cent last year.

Ear Diseases.—Ear diseases are of two categories—(1) Otorrhoea, (2) Other diseases of Ear. The total number recorded was 784 or a percentage of 2.76. Details are as follows :—

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found affected.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Otorrhoea ...	28,364	196	0.69	0.86	95
Other diseases of Ears ...	28,364	588	2.07	1.84	129

Defective Hearing.—Hearing deficiency is grouped according to severity. Group I includes children with slight deafness. They do not require any special educational treatment. Group 2A are those who need a favourable hearing position in class. Group 2B are those children who require special educational treatment. Group 3 consists of children with severe deafness and serious speech defects (deaf-mutism, etc.). These children require education in special schools for the deaf. The total number of children in the four groups was 417 ; 224 boys and 193 girls, or 1.45 per cent. Details are given as follows :—

<i>Number of children examined.</i>	<i>Hearing Group.</i>	<i>Number found affected.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
*28,364	I	280	0.98	1.0	71
*28,364	IIA	131	0.46	0.59	46
*28,364	IIB	5	0.017	0.01	5
*28,364	III	1	0.0035	—	—

*7-year-old children not included here, but shown separately.

Speech.—Defects are listed in two categories—(1) Defective Articulation, (2) Stammering. The total number of children recorded under these two headings was 338, of whom 246 were boys and 92 were girls. The percentage of defects was 1.18.

<i>Condition of Speech.</i>	<i>Number children examined.</i>	<i>Number found defective.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Defective					
Articulation ...	28,364	277	0.97	0.78	69
Stammering ...	28,364	61	0.21	0.199	19

Mental and Nervous Conditions.—Such conditions include all children who are backward, mentally dull, mentally defective but educable, mentally defective ineducable, nervous and unstable, and those who exhibit difficult behaviour. The total number of children in these groups was 421 or a percentage of 1.48, of whom 256 were boys and 165 were girls.

A detailed statement appears below :—

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found defective.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Backwardness ...	28,364	156	0.55	0.51	23
Dullness ...	28,364	122	0.34	0.54	15
M.D. educable ...	28,364	42	0.15	0.17	13
M.D. ineducable ...	28,364	1	0.1135	0.017	1
Nervous or unstable ...	28,364	80	0.28	0.24	12
Behaviour difficult ...	28,364	20	0.069	0.09	2

Heart Diseases.—Cardiac defects are of three kinds—Congenital, Acquired and Functional. The total number of children affected was 548 ; 275 boys and 273 girls, a percentage of 1.93. Below is a detailed statement of the incidence of these three groups :—

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found affected.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Congenital Heart ...	28,364	57	0.2	0.23	10
Acquired Heart ...	28,364	140	0.49	0.56	20
Functional Heart ...	28,364	351	1.24	1.36	14

Lung Diseases.—This group includes Chronic Bronchitis, Suspected Tuberculosis of Lungs and Other diseases of Lungs. The total number of children affected was 982, a percentage of 3.45 ;

599 were boys and 383 girls. Below are the details of these three groups :—

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found affected.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Chronic bronchitis ...	28,364	79	0.28	0.18	2
Suspected tuberculosis	28,364	32	0.113	0.09	8
Other diseases of lungs	28,364	871	3.055	3.27	47

Deformities.—These may be due to Congenital causes or they may be acquired as a sequel to Infantile Paralysis. A number is due to Rickets, and the remainder to other causes unspecified. The total number of children affected was 430, a percentage of 1.82. Of these 248 were boys and 182 were girls.

<i>Condition.</i>	<i>Number of children examined.</i>	<i>Number found affected.</i>	<i>Percentage.</i>	<i>Percentage last year.</i>	<i>Special Cases.</i>
Congenital deformities	28,364	107	0.37	0.38	12
Acquired deformities due to Infantile Paralysis ...	28,364	33	0.115	0.14	—
Probable Rickets ...	28,364	140	0.49	0.76	—
Other causes ...	28,364	150	0.53	0.61	19

Children born in 1946, that is 7 years of age, were examined only for Vision and Hearing.

The details of this group, in respect of visual defects, is as follows :—

The number of children examined was 5,016 boys and 4,722 girls, a total of 9,738. Of these 177 had squints, 1,109 had fair vision, and 161 bad vision. The number recommended for examination for errors of refraction was 804.

<i>Number of children examined</i>	<i>Defect.</i>	<i>Number found affected.</i>	<i>Percentage.</i>
9,738	Squint	177	1.82
9,738	Fair Vision	1,109	11.39
9,738	Bad vision	161	1.65

Details of the 1946 group of children examined for hearing defects are as follows :—

The number of children examined was 9,738. Of these 307 were found to have defects of hearing of varying degree. 213 had Grade I hearing ; 92 Grade IIA. There were 2 in Grade IIB and None in Grade III. Details are as follows :—

<i>Number of children examined.</i>	<i>Grade of defect.</i>	<i>Number found affected.</i>	<i>Percentage.</i>
9,738	Grade I ...	213	2.19
9,738	Grade IIA	92	0.94
9,738	Grade IIB	2	0.02
9,738	Grade III ...	—	—

Infectious Diseases.—Only 9 Routine and 6 Special cases suffering from infectious disease were discovered in schools during the year.

Other Diseases and Defects.—Under this heading are grouped all those diseases and defects found in schools which have not already been mentioned in the preceding paragraphs. They totalled 673. Special cases with similar diseases totalled 212. The more important of these conditions are recorded below :—

Anaemia 172 ; enuresis 145 ; rheumatism 26 ; obesity 135 ; debility 41 ; goitre 7 ; hernia 21 ; gastro-intestinal 20 ; fractures and sprains 17 ; coeliac disease 3 ; chorea 13 ; laryngitis, tonsillitis and tracheitis 8 ; intestinal worms 7 ; hydrocele and varicocele 4 ; tumours 13 ; nephritis 3 ; diabetes 1 ; hypothyroidism 5 ; albinism 1 ; vaginitis 1 ; migraine 2 ; Bell's palsy 2 ; periostitis 1 ; Hydro-nephrosis 1 ; osteomyelitis 1 ; Perthe's disease 1 ; muscular dystrophy 1 ; Hirschprung's disease 1.

EXAMINATIONS CONDUCTED BY THE SCHOOL MEDICAL STAFF OTHER THAN ROUTINE SCHOOL EXAMINATIONS.

Such examinations are many and varied, ranging from minor details to exhaustive medical overhauls. Interviews, home visits, special reports and consultations are required to provide the necessary information or opinion.

Requests for opinion come to us from the Director of Education, Area Sub-Committee Clerks, Child Guidance Service, Headmasters, Remand Home, Probation Officers, Hospital Almoners, Parents, Children's Officer, etc., etc.

The following outlines types of cases dealt with :—

- (a) Examination of absentees from schools and irregular attenders. They totalled 1,637.
- (b) Examination of physically and mentally invalid children in attendance at the four special schools. They numbered 1,051.
- (c) Examinations of invalid children for admission to day special schools. The numbers were—Physically Invalid 56 ; Mentally Invalid 105.
- (d) Children employed under the Employment of Children Act. They numbered 963. The chief employments engaged in are delivery of papers 447 ; messages 277 ; milk and rolls 239.
- (e) Children examined under the Children and Young Persons Act. The majority of these cases were examined at the Remand Home—179.
- (f) Students in preliminary training as teachers totalled—Nil.
- (g) Examinations for admission to the holiday camps and Residential Schools—3,069.
- (h) Examination of deaf-mute children—8.
- (i) Examination of blind children—3.
- (j) Examination of necessitous children for the supply of clothing and food. The number granted free boots and clothing was 102.
- (k) Special examinations of children at the Minor Ailments Clinics—2,003.
- (l) Immunisation of school children—12,154.
- (m) Examination of mentally defective children suspected of being ineducable. These totalled 32, of whom 11 were found to be definitely ineducable, and were reported to the General Board of Control.

(n) Youth Employment Service—5,494.

(o) Dental cases requiring a general anaesthetic—609.

In addition, the following examinations were carried out :—
Janitors 64 ; school cleaners 51 ; certifications for Certified Institutions 3 ; leavers at Certified Institutions—Nil ; epileptics for admission to the Colony of Mercy, Bridge of Weir 2 ; teachers 8.

6. MEDICAL TREATMENT.

A. MINOR AILMENTS TREATMENT.

Our treatment services are still in very considerable demand, and in the limited field of minor conditions in which they operate, we consider they serve a need which is not at present supplied by any other medical service.

Treatment clinics are twelve in number while there are also in the County area eleven subsidiary clinics. A mobile clinic serves many of the isolated rural schools.

The total number of children treated at the main clinics was 11,734 and the number of attendances was 59,308. At the subsidiary clinics the number treated was 5,186 and involved 21,893 attendances.

The total for all clinics was 16,920 with 81,201 attendances.

The following are the totals of children treated in the main clinics and the number of attendances made in the four main categories of conditions :—

- (1) Eye conditions treated 1,865 and attendances made 12,494.
- (2) Skin conditions treated 8,613 and attendances made 38,359.
- (3) Ear diseases treated 1,088 and attendances made 7,093.
- (4) Nasal conditions treated 174 and attendances made 1,362.

Cleansing of children suffering from verminous conditions is carried out at all the clinics. During the past year 1,849 children were cleansed, of these 332 were boys and 1,517 were girls.

In the special schools a nurse is in daily attendance to treat minor ailments. The total number of treatments given was 44,290.

At the Minor Ailments Clinics other examinations than those mentioned above are carried out. These examinations totalled 2,003 during the past year.

A tabular statement of the clinics, children treated and attendances made is given below :—

ESTABLISHED CLINICS.

<i>Clinic.</i>	<i>Medical Officer.</i>	<i>Children treated.</i>	<i>Attendances made.</i>
Airdrie	Dr. Hood	1,209	6,021
Baillieston	Dr. Hood	1,148	5,194
Bellshill	Dr. Perry	737	3,355
Blantyre	Dr. Perry	1,104	5,795
Cambuslang	Dr. Cunningham	2,383	9,769
Coatbridge	Dr. Pollock	1,593	7,737
Hamilton	Dr. Douglas	898	6,730
Larkhall	Dr. Douglas	551	2,530
Motherwell	Dr. Prentice	583	3,662
Rutherglen	Dr. Cunningham	796	3,630
*Shotts	Dr. Livingstone	60	624
Wishaw	Dr. Bruce	672	4,261
Totals		<u>11,734</u>	<u>59,308</u>

*Conducted by the staff of the County Public Health Department.

SUBSIDIARY CLINICS.

<i>Clinic.</i>	<i>Children treated.</i>	<i>Attendances made.</i>
Uddingston	77	322
Blackwood	431	1,368
Lesmahagow	609	1,789
Carluke	605	3,764
Carnwath	395	1,720
Lanark	123	578
Forth	144	1,666
Stonehouse	697	1,392
Strathaven	236	1,705
East Kilbride	819	3,333
Benhar	325	1,301
Mobile Clinic	725	2,956
Totals	<u>5,186</u>	<u>21,893</u>

B. DEFECTIVE VISION AND SQUINT.

Our Ophthalmic Surgeons continued during the year to deal very satisfactorily with the considerable list of cases submitted to them. Waiting time for new cases and the interval between examination and provision of spectacles are now reduced to normal.

We have twenty-eight visual clinics in the County.

Classroom inspections, added to routine medical inspection, bring up defects in the non-routine age groups and so the ophthalmic waiting list covers all pupils attending County schools.

The total number of children examined by the Ophthalmic Surgeons during the past year was 3,999 and 6,837 re-inspections of children previously tested were made.

The number of spectacles prescribed was 3,164, and 835 children were otherwise treated.

Other eye conditions noted :—

Squint (convergent) 513 ; squint (divergent) 34 ; squint (alternating) 73 ; corneal nebulae and opacities 30 ; corneal ulcers 5 ; blepharitis and conjunctivitis 19 ; phlyctenular conjunctivitis and keratitis—Nil ; choroido-retinal changes (Myopia) 9 ; choroido-retinal changes (non-myopic) 14 ; nystagmus 16 ; optic atrophy 9 ; cataract 9 ; ptosis 3 ; aphakia 4 ; coloboma of lens 1 ; epicanthus 1 ; vitreous opacities 2 ; detached retina 1 ; phthisis bulbi 1.

C. NOSE AND THROAT OPERATIVE TREATMENT.

Our Medical Officers give special attention to ear, nose and throat conditions. Infected tonsils and enlarged tonsillar glands are reported to the Ear, Nose and Throat Surgeon who decides whether operative treatment is necessary. Our operation lists were left steadily, as in the previous year, at a low level.

The number of children operated on at the various centres is tabulated below :—

CLELAND HOSPITAL.

Number operated on for tonsils and adenoids	...	306
Number treated for ear conditions	... ..	5

Handwritten notes:
 306
 5
 T.H.

Number treated for nasal conditions	17
Number examined and advised no operation needed	26

CARNEGIE HEALTH INSTITUTE, MOTHERWELL.

Number operated on for tonsils and adenoids ...	148
Number of attendances made by patients	306

LADY HOME HOSPITAL, DOUGLAS.

(Dr. Brown Kelly).

Number operated on for tonsils and adenoids ...	39
---	----

LAW HOSPITAL, CARLUKE.

(Dr. Brown Kelly).

Number operated on for tonsils and adenoids ...	889
---	-----

AUDIOMETRIC TESTING.

Audiometric testing continues to be carried out as in former years, and a summary of results follows :—

SUMMARY OF RESULTS OF AUDIOMETRIC TESTS.

<i>Group.</i>	<i>No. of children listed.</i>	<i>No. of children tested.</i>	<i>Normal.</i>	<i>Defective.</i>	<i>Grade I</i>	<i>Grade IIA</i>	<i>Grade IIB</i>
Children born 1945 ...	3,124	2,937	79.503% 2,335	20.497% 602	18.113% 532	2.213% 65	.170% 5
Children for whom an opinion was asked	520	468	45.94% 215	54.059% 253	33.547% 157	20.294% 95	.231% 1
Retest of children show- ing defects at pre- vious test	374	295	25.081% 74	74.91% 221	35.059% 105	38.03% 113	1% 3

D. ORTHOPAEDIC SCHEME.

In the course of their school visits, Medical Officers regularly report defects which require specialist orthopaedic opinion. These cases are duly sent for examination to surgeons at Stonehouse, Strathclyde, Hairmyres and Law Hospitals.

Orthopaedic Sisters give after-care.

In the hospitals where such children have to spend varying periods of time, children are given tuition by specially trained teachers.

There were 1,553 New Cases and 4,696 Revisits.

7. DENTAL INSPECTION AND TREATMENT.

STAFF.

Chief Dental Officer.

WILLIAM GIBSON, L.D.S.

Assistant Dental Officers.

- (a) ANDREW C. F. RANKIN, L.D.S.
Mrs. MARY H. OWENS, L.D.S.
- (b) ARCHIBALD HAY, L.D.S.
Miss MARGARET MACDONALD, L.D.S.
GORDON M'INTYRE, L.D.S.
GEORGE REID, L.D.S.
ALEXANDER WESTWOOD, L.D.S.
WILLIAM A. THAIN, L.D.S.
MARTYN L. H. DAVIES, L.D.S.
- (c) Mrs. MARY M. SPRACKLAN, B.D.S.
- (d) Miss MARGARET M'LACHLAN, L.D.S.
- (e) Mrs. A. P. THOM, L.D.S.
- (f) Miss WILMA S. PRINGLE, L.D.S.

Dental Attendants.

- | | |
|--------------------|---------------------------|
| MARY GOLD | ANNE ANDERSON |
| (g) MARGARET JAMES | JEAN BUCHANAN |
| NELLIE WARDROPE | MARY M'LAUGHLIN |
| (h) JESSIE BALLOCH | (i) Mrs. LILY A. M'KNIGHT |
| MARGARET DICK | (j) VIOLET H. B. BAXTER |
| CATHERINE WALLACE | (k) ELSPETH CAMERON |
| JANET ESPIE | (l) ZITA BIGGINS |
| (m) JANET CABLE | |

Dental Technicians.

Senior Technician in Charge—HENRY DICK

Senior Technician—ROBERT F. NEIL (n)

Technician—WILLIAM C. A. PARIS (o)

Clerical Staff.

GEORGE M'LELLAN
HELEN STEVENMARGARET CLARK
ETTA HARDIE

- | | |
|---|--------------------------------------|
| (a) Died 4/11/53 | (h) Resigned 31/5/54 |
| (b) Resigned 31/7/54 | (i) Appointed 16/9/53 |
| (c) Appointed 16/10/53 as Miss M. Bennie—married 5/3/54 | (j) Appointed 26/10/53 |
| (d) Appointed 1/12/53 | (k) Appointed 16/11/53 |
| (e) Appointed 21/12/53 | (l) Appointed 16/11/53 |
| (f) Appointed 1/1/54 | (m) Appointed 1/6/54 |
| (g) Resigned 16/9/53 | (n) Appointed 19/10/53 |
| | (o) Apprenticeship completed 19/6/54 |

TO THE CHAIRMAN AND MEMBERS OF THE
EDUCATION COMMITTEE OF THE COUNTY OF LANARK.

I beg to submit my Annual Report on the Dental Inspection and Treatment of school children in the County of Lanark for the year ending 31st July, 1954.

Consequent to the Authorisation in July, 1953, of an additional three Assistant Dental Officers, thus raising the establishment to twelve Assistants, the following appointments were made:— Miss Mary M. Bennie B.D.S., on 16th October, 1953, Mrs. Agnes P. Thom, L.D.S., on 21st December, 1953, and Miss Wilma S. Pringle, L.D.S., on 1st January, 1954. Three additional Dental Attendants were also appointed to assist these officers. To meet the demand in the Dental Laboratory authority was given to appoint a senior grade Dental Technician and Robert F. Neil filled the vacancy. Mr. Archibald Hay, L.D.S. has resigned as from 31st July, 1954, following his appointment as Chief Dental Officer to the City of Aberdeen.

It is with regret that I have to report the death of Mr. Andrew C. F. Rankin, L.D.S., the Senior Assistant Dental Officer, on 4th November, 1953. Mr. Rankin was first appointed as a School Dental Officer in November, 1919, and his death has brought to an end a period of 34 years continuous service with this Authority. He was employed principally in Hamilton Burgh, Larkhall, and the surrounding area where his work was much appreciated, and where his personality made him a very popular and respected figure. Miss Margaret M'Lachlan, L.D.S., was appointed as his successor on 1st December, 1953.

Illness among the officers resulted in a loss of 121 working days or 222 sessions and, National Service for Mr. A. Westwood, L.D.S., another 12 days or 22 sessions.

Nos. 4 and 5 self-propelled Mobile Dental Units were delivered during May, 1954, and are now operating satisfactorily in their respective areas. New clinics were also equipped in the Medical Rooms at Stane Primary School, Shotts, and Bishopbriggs Higher Grade School:

In former years the figures for the supply of dentures to school children, orthodontic treatment, X-rays, etc., were incorporated in the County Medical Officer's Report at the end of each calendar year but, as from 1st January, 1954, they have been transferred to this report. Table Va (Supplementary) at the end of this volume

has been introduced for the purpose and gives the figures for the six months ending June, 1954.

Dental Inspection and Treatment of Expectant and Nursing Mothers and Pre-School Children continues and on 1st May a scheme was started to set aside one session per month for inspection of these patients at each of the twenty Child Welfare Centres. The response has generally been very good and the provision of the necessary treatment involved has taken up a considerable amount of the Dental Officers' time. Details of the work carried out will be given in the Dental Section of the County Medical Officer's next Annual Report.

It should be noted that, while the actual strength of Assistant Dental Officers is 12, the effective strength during the year is equivalent to only $10\frac{1}{2}$ full-time officers. The number of school children inspected during the year, namely 40,853, is in proportion the same as last year, but is still less than half the total school population. The percentage of children requiring treatment has increased from 73 to 81.8, and this indicates too long an interval between inspections. With the acceptance rate remaining almost unchanged, this increased percentage has caused the Inspection/Treatment session ratio to rise from 1/9.7 last year to 1/10.7 this year.

Our constant aim is still the preservation of teeth and this year the figures show another step in the right direction, fillings being proportionately higher and extractions lower than last year.

With the increased establishment of Assistant Dental Officers, the use of dual, and in some cases triple purpose rooms, is becoming an ever increasing problem involving the School Medical, Ophthalmic, Child Guidance and Dental Services. This difficulty affects my staff most because, when an officer is operating in an area, he requires the use of the fixed dental equipment every day and, although a close liaison is maintained with the other services, many instances do occur where, to accommodate his medical colleagues, the Dental Officer has to do additional school inspection, or be transferred to another area. In either case there is undue delay between the dental inspection and treatment of the children. Occasionally, however, these alternatives are impossible, and the position becomes more serious. To add to these difficulties in some areas, the treatment of Expectant and Nursing Mothers involves considerable travelling to the nearest M. & C. W. Dental Clinic. This is undesirable and unless local facilities are made available, those

mothers are virtually excluded from our priority scheme. The solution to the overall problem of accommodation would appear to be either :

(a) The abolition of dual purpose rooms in school clinics and the treatment of mothers in school clinics or

(b) The provision of combined M. & C. W. and Education treatment facilities outwith school buildings.

As mentioned earlier, there is still far too long a period between the inspection and treatment of school children. During the treatment sessions we find that numerous children, whose parents had previously signed " Perpetual Consent ", do not keep their appointments for the simple reason that in the long interval they have been treated by a Private Practitioner. Letters are also received frequently from parents complaining that treatment is not being offered to their children often enough, and asking that their previous consent be cancelled to allow the children to be treated privately as required.

With the school population at 94,000 and considering all the facts above mentioned, I feel that it is absolutely essential to increase the staff considerably and would suggest as a first step a further six appointments as soon as possible to provide a better and more regular service to the children and other priorities in the County. I give below a statement of the items of importance and Tables V and Va at the end of the Senior Assistant School Medical Officer's Report show the full details of the work carried out by the staff :—

Number of children inspected	...	...	...	...	40,853
Number of children notified as being in need of dental treatment	...	...	...	17,086 boys 16,350 girls	33,436
Percentage of children requiring treatment	...	...	...	...	81.8
Number of children accepting treatment	...	...	...	...	14,488
Number of children treated	...	...	...	...	9,928
Number of attendances made for treatment	...	...	...	...	26,348

<i>Treatment.</i>	<i>Temporary Teeth.</i>	<i>Permanent Teeth.</i>	<i>Total.</i>
Extractions	9,869	2,682	12,551
Fillings, amalgam	1,434	10,171	11,605
Fillings, cement	1,171	1,154	2,325
Other treatment (Scalings, etc.) ...	2,106	7,205	9,311
Number of sessions spent on inspection ...		386	
Number of sessions spent on treatment ...		4,126½	

The undernoted Table and Table Va (supplementary) show the work carried out by each officer:—

<i>Dental Officer.</i>	<i>No. of Children treated.</i>	<i>Extractions (temporary teeth.)</i>	<i>Extractions (Permanent teeth.)</i>	<i>Fillings, Amalgam or Cement.</i>	<i>Other Treatments.</i>	<i>General Anaesthetics.</i>
Mr. Gibson ...	20	65	37	3	3	16
Mr. Rankin ...	110	67	26	125	11	6
Mrs. Owens ...	701	963	266	1,431	157	109
Mr. Hay ...	982	843	185	1,239	1,021	6
Miss M'Donald ...	716	1,378	295	386	399	114
Mr. M'Intyre ...	881	539	246	1,372	929	15
Mr. Reid ...	1,044	1,112	324	1,410	616	—
Mr. Westwood ...	907	809	297	1,212	1,294	58
Mr. Thain ...	1,339	1,050	233	2,075	1,180	—
Mr. Davies ...	981	1,255	197	1,572	923	129
Mrs. Spracklan ...	861	693	311	1,010	759	99
Miss M'Lachlan ...	416	469	75	688	721	57
Mrs. Thom ...	628	413	81	576	659	—
Miss Pringle ...	342	213	109	831	639	—
Totals ...	9,928	9,869	2,682	13,930	9,311	609

WILLIAM GIBSON,
Chief Dental Officer.

DENTAL DEPARTMENT,
13 CLYDESDALE STREET, HAMILTON.
AUGUST, 1954.

8. SPECIAL SCHOOLS AND CLASSES.

The handicapped child receives a considerable and increasing degree of attention. From the educational and medical points of view such children—physically handicapped and mentally handicapped—receive attention in four special schools with clinics attached and one occupational centre.

These schools are :—

Drumpark School, Bargeddie.
Dalton School, Cambuslang.
Auchinraith School, Bothwell.
Knowetop School, Motherwell.
Occupational Centre, Hamilton.

Motor buses take children from scheduled stopping places at or near their homes to school every morning and take them home in the late afternoon.

School meals are provided. A school nurse holds a daily minor ailments clinic, while a school medical officer visits the school once a month and keeps detailed records of the health of each child.

Physically handicapped children are specially examined every six months for transfer, if fit, to an ordinary school. Mentally retarded children are seen at more infrequent intervals regarding possible transfer, as naturally most of these require the statutory period of education in a special school till the age of 16.

The Occupational Centre is in much demand. This receives pupils who are not fit for scholastic education, but who are trainable. There is no doubt that an increased number of this type of school is required.

Provision is also made for other classes of handicap as follows :—

Deaf and partially deaf scholars attend Auchinraith School for the Deaf. Other deaf children who live too far away to attend the Day School, are sent as residential pupils to the Royal Deaf and Dumb Institution, Edinburgh, St. Vincent's School for the Deaf, Tollcross, or Langside Deaf and Dumb Institution, Glasgow.

Blind pupils receive their education chiefly at the Royal School for the Blind, Craigmillar Park, Edinburgh, and at St. Vincent's School for the Blind, Tollcross. Myopic pupils, of course, are treated in special classes with physically handicapped pupils. The total number is 28.

Cripples, i.e. children with very severe orthopaedic defect, receive medical care and education at East Park Home.

Bridge of Weir Epileptic Colony receives Protestant epileptic children who are educable and cannot, by reason of their infirmity, be educated at an ordinary or special school.

Children cared for and educated in special schools are as follows:—

PHYSICALLY INVALID CHILDREN.

Castlecraig Residential School, Blyth Bridge, West Linton, Peeblesshire	17
East Park Homes for Infirm Children, (Largs and Glasgow)	17
The Colony for Epileptics, Bridge of Weir	5
The Trefoil Residential School, Hermiston, Currie	3
Westerlea School for Spastics, Edinburgh	2

MENTALLY INVALID CHILDREN.

Birkwood Certified Institution, Lesmahagow... ..	8
Garvald Rudolph Steiner School, Dolphinton, West Linton	1
Lennox Castle Certified Institution, Lennoxtown ...	3
St. Charles' Certified Institution, Carstairs	3

DEAF-MUTE AND EDUCATIONALLY DEAF CHILDREN.

St. Vincent's School for the Deaf, Tollcross	21
The Royal Deaf and Dumb Institution, Edinburgh	8

BLIND OR EDUCATIONALLY BLIND CHILDREN.

St. Vincent's Special School, Tollcross (Blind) ...	2
The Royal School for the Blind, Edinburgh	11

CHILDREN AT SPECIAL CLASSES OUTWITH THE EDUCATIONAL AREA.

Ashgrove Special Classes, Maybole, Ayrshire ...	2
Astley Ainslie Hospital Classes, Edinburgh	1
Balgray Special School, Glasgow	1
Besford Court Special School, Worcester	1
Biggart Memorial Home Classes, Prestwick	15
Craft Training Centre, Glasgow	1
Elmvale Occupational Centre, Glasgow	2
Kennyhill Special School, Glasgow	2
Nerston Residential Clinic, East Kilbride	1
Percy Street Special School, Glasgow	1
Renfrew Street Special School, Glasgow	3
Rottenrow Special School, Glasgow	1
St. Aidan's Special School, Glasgow	1
St. Kenneth's Special School, Glasgow	1
St. Kevin's Special School, Glasgow	2
Wolseley Street Occupational Centre, Glasgow ...	1

The number of children who, in the four special schools, attained the age of 16 and left school was 96.

The number of children who got suitable employment was 80.

9. ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE.

A. Trends in Scandinavian and other countries are being emulated by the ever increasing place given to physical education in schools.

Physical training organisers and teachers are an enthusiastic group who make a distinct contribution to the health of the school child.

B. SWIMMING BATHS.

Swimming has always played an important part in the work of physical recreation in Lanarkshire.

Arrangements exist with the Burgh Authorities for the teaching and practice of this beneficial and health maintaining activity.

C. PLAYING FIELDS.

Playing fields are a feature of school physical recreation facilities. Where these as yet do not exist, use is made of public parks, etc.

D. HOLIDAY CAMPS AND CAMP SCHOOLS.

As in previous years a series of holiday camps was conducted in rural schools for periods during the summer vacation.

Medical reports on the health of children attending reveal encouraging improvement. There is no doubt of the value of these organised summer activities.

The camps were held at the following :—

In Lanarkshire.

Biggar High School.
Douglas West Public School.
Leadhills Public School.
Lanark R.C. School.
Lanark Grammar Primary School.
Strathaven Academy.

In Banffshire.

Whitehills J.S. School.
Findochty J.S. School.
Cullen J.S. School.
Portsoy J.S. School.

In Fife.

St. Theresa's Home, Aberdour.

The camps in Lanarkshire which ran for four weeks were so arranged as to provide each group of children with one week's holiday with the exception of Lanark Grammar P. School where one group of children, drawn from Auchinraith and Dalton Special Schools, were in residence for two weeks. The children attending the camps in Banff and Fife were also in residence for two weeks, the duration of the camps. The selection of the children to participate in the camps was made by the Head Teachers, but they were directed in making their choice to have regard to home circumstances, and to give preference to children who seemed most in need of a holiday and who would not be otherwise having one. Approximately, 735 children in the eleven to twelve age group drawn from 84 schools attended the camps, 570 being accommodated at Lanarkshire camps, 132 at Banffshire camps, and 33 at the camp in Fife.

Trek Camps.

The trek camp for boys from Junior Secondary Schools held last year for the first time was extended this year by the introduction of a similar camp for girls. Ninety-four boys spent seven days and fifty-nine girls five days in the Upper Ward of Lanarkshire visiting during their trek such places as Douglas, Daer and Coulter. A pleasant feature of the trek camps was the inclusion of pupils from Midlothian.

Camp Schools.

Three Camp Schools were conducted at Glengonnar Camp, Abington, during the months of September, 1953, and April and May, 1954. Eighteen schools participated, six schools each month sending the qualifying class. The average number of pupils in residence each month was two hundred and twenty.

1,617 medical examinations for admission to the camps were carried out.

E. INSTRUCTION IN PERSONAL HYGIENE.

Opportunities occurring naturally during the course of examinations, interviews and group instruction are utilised by medical and educational staffs in fostering the right attitude to health and cleanliness.

10. OTHER ACTIVITIES IN RELATION TO THE HEALTH OF SCHOOL CHILDREN.

"MILK IN SCHOOLS" SCHEME.

This is a most valuable addition to the diet of school children. All milk is pasteurised and Grade ATT.

The following table shows the monthly consumption of milk during the year :—

<i>Month.</i>		1953-54	1952-53	1951-52
September, 1953	...	76,503	74,507	77,438
October, 1953	...	76,360	73,646	71,939
November, 1953	...	75,744	72,916	75,076
December, 1953	...	74,633	70,562	68,395
January, 1954	...	74,948	72,991	68,987
February, 1954	...	74,636	72,131	68,856
March, 1954	...	74,589	74,011	70,277
April, 1954	...	75,888	75,083	72,492
May, 1954	...	76,152	74,347	73,206
June, 1954	...	76,250	74,511	75,932

SCHOOL MEALS SERVICE.

During the year, restrictions on capital expenditure for new buildings remained, and consequently improvements to the service were confined to re-modelling or extending existing facilities, where practicable.

No change has been made in the charge for meals to children since the last report, but the increase of 2d. imposed by the Government in March, 1953, has made itself evident now that a full year has elapsed. The total number of meals provided during the year was 6,383,426, which compares with 7,535,214 for the preceding year.

CONSULTANT SERVICE.

Special cases require special investigation and opinion, and this is given by our Consultant Physician and Consultant Paediatrician.

This service is of great value to the School Medical Officer, and we have evidence that it is also appreciated by the family doctors to whom copies of specialist reports are sent in each case.

The number thus referred during the year was 48.

REHABILITATION SCHEME.

The Disabled Persons Register now deals with those formerly dealt with under this scheme.

MINIATURE MASS RADIOGRAPHY.

The X-ray examination of children aged 12 years and over has become a valuable addition to the school medical examination.

The Area Tuberculosis Service has been responsible for this work and pupils in most of the Senior and Junior Secondary Schools have been examined.

In cases where significant abnormalities were found, the family doctor was, with the parent's consent, informed. Cases requiring dispensary observation, treatment and after-care were referred to the Tuberculosis Physician for the area and the appropriate Medical Officer of Health.

INTENSIVE COURSES IN FIRST-AID AND HOME NURSING.

As in previous years, pupils who completed their Leaving Certificate examination in March and were thus free to take this special course, were enrolled at the undernoted school.

Difficulty arises in fitting these courses into the curriculum, but they are being continued meantime.

The school taking part, and results of examinations, were as follows :—

INTENSIVE COURSE IN HOME NURSING. (Session 1954).

<i>School.</i>	<i>Number enrolled.</i>	<i>Pupils presented for examination.</i>	<i>Pupils who passed the elementary examination.</i>	<i>Pupils who gained higher awards.</i>
Wishaw High	18	17	17	—

CHILD GUIDANCE SERVICE.

The following summary is made from a report by Mr. Thomas Smith, Principal Psychologist :—

Though the total number of children referred for the attention of the staff again shows an increase, as it has done each session since the inception of the present service (621 in 1946 ; 2,224 in 1954), the tendency is naturally for saturation point to be reached. This would appear to centre round the 2,000 mark, with staff remaining at the present limit of establishment, i.e. six psychologists and six speech therapists. The aim, doubtless perfectionist, has always been to provide for the whole County a complete service embracing the diagnostic, advisory and clinical aspects of the work in both general and child guidance and speech therapy. While much has been achieved with that goal in view, two further developments need to be made :

(1) Requests for clinical speech therapy are constantly being made for three groups of children :—

- (a) Certain pupils in the special schools.
- (b) Pre-school children.
- (c) Certain children in the children's wards of the three County hospitals at Law, Hairmyres, and Stonehouse.

These requests cannot at present be met except at the " under observation " or advisory levels. Even with the present number of therapists fully employed, there is a " screened " speech waiting-list of 92 as the new session opens.

(2) In general child guidance, the number of days set aside for purely clinical work with certain individual children needs to be increased beyond the present limit of one day per psychologist. More than this would mean, however, that the very necessary diagnostic and advisory work in the schools and the equally important home-visiting periods (already affected by the drive to save car mileage) would inevitably be seriously curtailed. The clinical side of the work, though naturally a time-consuming function, ought to become a stronger feature of a growing service.

SPEECH THERAPY SECTION.

New centres were opened at Shotts and Stonehouse, each being for half-day per week. Altogether, there are 19 centres where therapy is given, as follows:—

One half day per week each—Blantyre, Carluke, Harthill, Shotts, Strathaven (including Stonehouse).

One day per week—Baillieston, Bishopbriggs, Burnbank, Cambuslang, Lanark, Larkhall, Uddingston (including Bothwell).

One and a half days per week—Airdrie, Rutherglen.

Two days per week—Bellshill, Hamilton, Wishaw.

Two and a half days per week—Motherwell.

Three days per week—Coatbridge.

Apart from clinics and rooms used in schools, the therapists work in Y.M.C.A. premises, Masonic Rooms, Health Institutes, District Council Offices, and Community Centres. Biggar, Chryston, and East Kilbride areas cannot at present be served, except when special cases travel a considerable distance to the nearest centre.

In an attempt (a) to discover in good time the children suffering from speech defect requiring therapy, and (b) to obtain for planning purposes a possible estimate of the percentage of such school children for the whole County, the senior speech therapist made a small survey in a representative area, taking three schools therein. The following results were obtained:—

School.	No. of children Examd.	No. requiring speech therapy.	%	No. requiring to be kept under observation.	%	Total.	%
Craigneuk R.C.	700	33	4.7	10	1.43	43	6.1
Wishaw Academy	710	23	3.24	8	1.1	31	4.3
Wishaw High (Excl. 4th, 5th, & 6th Years).	544	25	4.59	—	—	25	4.59
Total	1,954	81	4.14	18	.92	99	5.06

The senior speech therapist makes the following comments: "These results would seem to indicate that about 5 per cent of the school population require treatment for speech disorder of some kind. Allowing for the fact that some 5 per cent of the cases coming to our notice have to be discharged, because of lack of co-operation, or non-attendance at clinics, and allowing also for those children who do not need regular treatment, but are kept under observation, then at any time roughly 4.5 per cent of the school children have speech defect of a kind requiring clinical treatment. This takes no account of those pre-school children who have genuine speech defect (as distinct from the many cases of a minor developmental nature referred to us, e.g. baby speech, for which clinical work is not necessary). There is also the point that the percentage of speech defect in special schools is likely to be higher than 4.5."

A G-B Tape Recording Unit was supplied in April. This has already proved of great value in the treatment and study of speech-disordered children attending the clinics. Each therapist will shortly have her own tape which can be "edited" as she requires.

The number of children who received attention from some section of the service during the session was 2,224 (Boys : 1,506. Girls : 718) made up as follows :—

	Boys.	Girls.	Total.
1. Child Guidance (excluding speech cases)	971	504	1,475
2. Examined individually for the Director at the request of the Promotion Board	25	42	67
3. Speech cases taken on for treatment ...	446	144	590
4. Speech cases examined and interviewed by a psychologist, but awaiting treatment	64	28	92
Totals ...	1,506	718	2,224

AGE TABLE (EXCEPTING SPEECH CASES).

Age	Under															Over		Total.
	5	5	6	7	8	9	10	11	12	13	14	15	16	17	17			
Boys ...	45	141	190	158	100	71	68	49	55	39	40	18	20	1	1			996
Girls ...	37	85	92	94	49	45	47	33	28	10	11	6	7	1	1			546
Totals	82	226	282	252	149	116	115	82	83	49	51	24	27	2	2			1,542

AGE TABLE (SPEECH).

Age	Under															Over		Total.
	5	5	6	7	8	9	10	11	12	13	14	15	16	17	17			
Boys	13	56	100	54	37	49	29	28	26	29	23	2					446
Girls	7	16	34	19	12	11	17	12	10	—	5	1					144
Totals	...	20	72	134	73	49	60	46	40	36	29	28	3					590

More than half of the total number of children seen by both sections of the service are in the seven-years-and-under category. About 25 per cent more pre-school children were referred than last session, the main complaints being backward general development, lack of speech, sleep disturbance and tempers.

TABLE OF I.Q. (EXCEPTING SPEECH).

I.Q.	Under					Over	Total.
	70	70-79	80-89	90-109	110-120	120	
Boys ...	150	189	237	320	75	25	996
Girls ...	98	119	113	170	27	19	546
Totals ...	248	308	350	490	102	44	1,542

TABLE OF I.Q. (SPEECH).

I.Q.	Under					Over	Total.
	70	70-79	80-89	90-109	110-120	120	
Boys ...	5	35	77	218	75	36	446
Girls ...	2	28	26	63	18	7	144
Totals ...	7	63	103	281	93	43	590

Slightly fewer children with serious mental handicap were referred to us than last session, but we were asked to examine a greater number of "permanently backward" pupils (i.e. roughly from I.Q. 70-80). Where these pupils are *educationally* retarded, almost the only satisfactory methods of meeting their problems in the ordinary school are either through group methods of teaching or tutorial-type classes, both of which have the same fundamental principle, namely, to allow the child to progress according to his particular level of capacity which will, of course, be below that appropriate to his chronological age. The larger schools are sometimes not attracted to these methods, unfortunately, because of the triple administrative difficulty involving numbers, staffing and accommodation.

The speech group of "Under 70" is small, because therapy produces comparatively little improvement except in special circumstances, e.g. where the defect is of a very simple mechanical character.

The child guidance group of "Under 70" includes 96 children examined at home in presence of Dr. Macleod or Dr. Cunningham, and of that number about two-thirds were seriously mentally handicapped.

TABLE OF CLASSIFICATIONS (EXCEPT SPEECH).

General Instability	8	Emotional Disorders and Delinquency
Emotionally Retarded	...	...	...	...	157
Anxiety and Obsessional States	...	...	...	...	63
Marked Sleep Disturbance	...	...	...	...	11
Enuresis and Soiling	...	...	...	...	99
Psychopathic Personality	...	...	...	...	7
Marked Adolescent Instability	...	...	...	...	8
Unmanageable Behaviour	...	...	...	...	33
Temper Tantrums and Aggression	...	...	...	...	78
Truancy and Wandering	...	...	...	...	70
Marked Irregularity in Attendance	...	...	...	...	141
Theft and Petty Pilfering	...	...	...	...	126
Marked Lying	32	Educational.
Malicious Mischief	...	...	...	...	45
Sex Offences	...	...	...	...	7
Referred for General Educational Backwardness	...	...	...	...	598
Referred for Single-Subject Difficulties	523	Educational.
Suitable for Adjustment and Remedial Classes...	...	...	...	...	450
Children whose educational progress was re-assessed	55	
Marked Home Factors	348	Influences.
Marked Physical Factors	...	...	...	...	140
School-Parent Friction	...	...	...	...	44
Faulty early Home-Training	...	...	...	...	146
Parental Anomalies	...	...	...	...	87
Children on Probation	50	

NOTES:

1. The above figures refer to frequency of occurrence. A child may be included in more than one classification.
2. "Marked Irregularity in Attendance" refers not to truancy but to frequent short absences for minor health reasons or trifling causes.
3. "Home Factors" include poor home background, divorce, separation, parental quarrelling, weak or divided discipline.
4. Of the 99 cases of psychological bed-wetting (enuresis) 37 are being continued for treatment, 30 were discharged as satisfactory, 10 were only partially satisfactory, 16 were unsatisfactory because of lack of co-operation, while the remainder were gravely mentally handicapped and unsuitable for psychological treatment.
5. It may be of interest that 69 of the children referred to us were left-handed, but this was not, of course, the reason for which they received attention from us.
6. The main types of "Physical Factor" were Spastic Paralysis, Tuberculosis, Deafness, Epilepsy, and Meningitis.
7. 249 Cases (168 Boys; 81 Girls) are being continued for treatment or observation next session.

SPEECH CLASSIFICATIONS.

	Disorder.	Articulatory.	Stuttering.	Cleft Palate.	Voice.
Boys	...	254	195	12	14
Girls	...	91	52	5	12
Totals	...	345	247	17	26

NOTES :

1. These figures, like those of the child guidance classifications, refer only to frequency of occurrence. 44 Children had multiple speech defect. One child appears in three classifications.
2. 3 Children, not accounted for in the tables, were given relaxation exercises only, at the request of the psychologists. They suffered from a fairly extreme degree of physical tension and benefited greatly by relaxation work over a period of several weeks.
3. 334 Children are continuing treatment into the new session.
 144 were discharged as completely satisfactory.
 40 were discharged as partially satisfactory only.
 21 were discharged as unsatisfactory (in every case owing to lack of co-operation from home or repeated non-attendance at centres).
 23 were discharged after one consultation-visit only.
 19 left school before treatment was quite complete.

MISCELLANEOUS.

Special case-reports to Director	...	...	...	56
Special case-reports to Dr. Macleod, School Health Service	...	...	...	79
Special case-reports to others, e.g. Probation Officers, Children's Officers, Ministry of Pensions, Hospital Almoners, Youth Employment Service, etc.	...			34
Children examined at home in presence of Dr. Macleod or members of his staff	...	...	...	96
Children examined in Remand Home	...	...		70
Children examined for purposes of Promotion Board				67
Children examined for purposes of Class Placing	...			84
Vocational Guidance	...	...	...	10
Pre-School children examined in connection with admission to Nursery Schools	...	...	...	14

SOURCES FROM WHICH CHILDREN WERE REFERRED.

Headmasters	...	...	...	...	1,410
School Health Service	...	...	...	...	379
Director of Education	...	...	...	...	215
Parents	...	...	...	...	57
General Practitioners	...	...	...	...	17
Royal Hospital for Sick Children	...	...	...		19
Probation Department	...	...	...	...	11
Other agencies (including County Hospitals, Children's Officers, Public Health Department, Medical Specialists, other Child Guidance Services, Youth Employment Officers, Nurses, etc.	...	...	...		24

 2,132

VISITS AND INTERVIEWS (WHOLE STAFF).

Schools Visited	181
School Visits (All-day attendance at one school reckoned as 2 visits)	1,486
Home Visits	702
Visits to Remand Home	38
Visits to Institutions and Hospitals	33
Speech Clinic Sessions	1,865
Treatment Interviews (excluding speech)	1,523
Speech Treatments	9,239
Parent-Guidance Interviews	1,674

NURSERY SCHOOLS.

Admissions to these schools have now been formally delegated to the School Health Service and we are impressed by the public demand.

An Assistant School Medical Officer and Nurse saw these children at regular intervals when routine and special medical examinations were carried out.

Immunisation against diphtheria and whooping cough and all other School Health facilities were made available to the pre-school group.

The health of the children during the year was excellent.

TABLE I. (1953-54).

Total number of children examined at

A. SYSTEMATIC EXAMINATIONS :—					Other Systematic Examinations
Ordinary Schools	Entrants	...	...	9,490	1,113
	Second Age Group	...	...	9,126	—
	Third Age Group	...	...	7,964	—
Secondary Schools	Age Group	...	...	671	—
Total				27,251	1,113

B. OTHER EXAMINATIONS :—

Special (Non-routine) Cases	...	...	...	4,230
Re-inspections by Medical Officers	...	...	...	6,817
Total	...	...	...	11,047

Number of individual children inspected at systematic (routine) examinations who were notified to parents as requiring treatment (exclusive of uncleanliness and dental caries) :—

Ordinary Schools	Entrants	...	...	...	1,693
	Second Age Group	...	...	...	1,583
	Third Age Group	...	...	...	1,213
Secondary Schools	Age Group	60
Other Systematic Examinations					203
Total				...	4,752

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TABLE III. (1953-54)

SYSTEMATIC MEDICAL EXAMINATIONS.

CLASSIFICATION.	ENTRANTS.		SECOND AGE GROUP.		THIRD AGE GROUP.		SECONDARY SCHOOLS AGE GROUP.		ROUTINE EXAMINATION TOTAL.		OTHER SYSTEMATIC EXAMINATIONS.		GRAND TOTAL.	
	No. of Children.	Per-centage.	No. of Children.	Per-centage.	No. of Children.	Per-centage.	No. of Children.	Per-centage.	No. of Children.	Per-centage.	No. of Children.	Per-centage.	No. of Children.	Per-centage.
I. Children free from defects,	4,313	45.45	4,349	47.66	3,942	49.50	389	57.97	12,993	47.68	523	46.99	13,516	47.65
II. Children (otherwise free from defects) who suffer from:—														
(a) Defective Vision not worse than 6/12 in the better eye, with or without glasses;	—	—	915	10.03	1,178	14.79	108	16.09	2,201	8.08	—	—	2,201	7.76
or (b) Conditions of mouth or teeth requiring treatment, ...	107	1.13	21	0.23	16	0.20	—	—	144	0.53	20	1.80	164	0.58
(c) Both (a) and (b), ...	—	—	5	0.05	2	0.02	—	—	7	0.02	—	—	7	0.02
Total, ...	107	1.13	941	10.31	1,196	15.01	108	16.09	2,352	8.63	20	1.80	2,372	8.36
III. Children suffering from ailments (other than those mentioned in II.) from which complete recovery is anticipated within a few weeks, ...	3,794	39.98	2,939	32.20	1,999	25.10	127	18.93	8,859	32.51	405	36.39	9,264	32.66
IV. Children suffering from defects where														
(a) Complete cure may ultimately be expected, ...	1,199	12.63	766	8.39	695	8.73	26	3.88	2,686	9.86	158	14.19	2,844	10.03
(b) Improvement only may be expected, ...	77	0.81	131	1.44	132	1.66	21	3.13	361	1.32	7	0.63	368	1.30
Total, ...	1,276	13.44	897	9.83	827	10.39	47	7.01	3,047	11.18	165	14.82	3,212	11.33
Total No. of children examined, ...	9,490	100%	9,126	100%	7,964	100%	671	100%	27,251	100%	1,113	100%	28,364	100%

TABLE IV. (1953-54).
RETURN OF ALL EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THE AREA.

Disability.	At Ordinary Schools.	At Special Schools or Classes.	Total.	Disability.	At Ordinary Schools.	At Special Schools or Classes.	Total.
1. Blind,	—	—	—	8. Multiple Defects—			
2. Partially sighted—				(a) Mentally defective (ineducable) and physically defective ("general orthopaedic conditions") (5(b) and 7(b)).	—	9	9
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition,	1	25	26	(b) Mentally defective (ineducable) and epilepsy (mild) (5(b) and 6(a)).	—	1	1
(b) Other conditions of the eye, e.g., cataract, ulceration, etc., which render the child unable to read ordinary school books or to see well enough to be taught in an ordinary school,	6	15	21	(c) Mentally defective (ineducable) and epilepsy (severe) (5(b) and 6(b)).	—	1	1
3. Deaf—				(d) Mentally defective (ineducable) and blind (5(b) and 1).	—	—	—
Grade I,	351	19	370	(e) Mentally defective (educable) and physically defective ("general orthopaedic conditions") (5(a) and 7(b))	3	48	51
Grade IIA,	177	36	213	(f) Mentally defective (educable) and epilepsy (mild) (5(a) and 6(a)) ...	1	21	22
Grade IIB,	10	5	15	(g) Mentally defective (educable) and epilepsy (severe) (5(a) and 6(b)) ...	—	2	2
Grade III,	1	49	50	(h) Mentally defective (educable) and physically defective ("other causes of ill health") (5(a) and 7(d)) ...	2	57	59
4. Defective Speech—				(i) Mentally defective (educable) and deaf (5(a) and 3)	3	33	36
(a) Defects of articulation requiring special educational measures,	346	88	434	(j) Mentally defective (educable) and blind (5(a) and 1)	—	—	—
(b) Stammering requiring special educational measures,	80	8	88	(k) Other multiple defects	3	82	85
5. Mentally Defective (Children between 5 and 16 years)—							
(a) Educable (I.Q. approximately 50-70),	55	544	599				
(b) Ineducable (I.Q. generally less than 50),	2	35	37				
6. Epilepsy—							
(a) Mild and occasional,	21	32	53				
(b) Severe (suitable for care in a residential school),	—	1	1				
7. Physically Defective (Children between 5 and 16 years)—							
(a) Non-pulmonary tuberculosis (excluding cervical glands),	15	30	45				
(b) General orthopaedic conditions, ...	254	132	386				
(c) Organic heart disease,	227	43	270				
(d) Other causes of ill-health,	14	278	292				

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Table XII.—COUNTY OF STIRLING—PULMONARY TUBERCULOSIS, 1912-1919.

District of County.	Number of Notifications.									Died.	Left District.	Present Number of Cases.	Age Groups.						Insured	Not Insured
	1912	1913	1914	1915	1916	1917	1918	1919	Total.				.5	5-15	15-25	25-45	45-60	60 +		
Central...	25	39	29	36	20	36	25	39	249	146	15	{ M. 53 F. 35	—	9	13	23	6	2	36	17
Eastern...	33	61	45	44	34	39	30	26	312	175	31	{ M. 66 F. 40	—	9	17	33	5	2	53	13
Western...	11	16	13	9	13	11	11	9	93	54	11	{ M. 16 F. 12	—	—	5	8	3	—	14	2
Total...	69	116	87	89	67	86	66	74	654	375	57	{ M. 135 F. 87	—	18	35	64	14	4	103	32
													—	16	34	31	5	1	19	68

SANATORIUM AND OTHER TREATMENT.

Nature of Treatment.	Total Cases.	No. who Died or left the Districts.	Surviving Cases.	Condition of Patients.					
				Well or Working.	Improved.	Fairly Well.	Not Well.	Very Ill.	Under Institutional Treatment.
Institutional, with or without a further period of Domiciliary Treatment	257	152	105	53	11	19	12	1	9
Domiciliary (only)	55	41	14	6	—	5	2	1	—
Ordinary treatment at home	342	239	103	67	8	22	6	—	—
Total	654	432	222	126	19	46	20	2	9

TABLE V.
(Continued.)

NAME	AGE	PERCENTAGE		
		1900	1910	1920
Mr. Olson
Mr. O'Brien
Mr. Hay
Mr. McDonald
Mr. McLaughlin
Mr. Ford
Mr. Westwood
Mr. Hale
Mr. Davis
Mr. Spaulding
Mr. McLaughlin
Mr. Smith
Mr. Wright
Total

TABLE VI. (1953-54).

VISUAL TREATMENT.

Showing number of children who received full ophthalmic examination, number re-examined, and the number for whom spectacles were prescribed or who were otherwise treated.

TREATMENT CENTRE.	Number of Children Examined.	Number of Children Re-examined.	Total Attendances.	Number for whom Spectacles were prescribed.	Number Treated otherwise or Advised.	Cases uncompleted and Cases not requiring Treatment.
Abington	7	8	15	6	1	—
Biggar	10	47	57	9	1	—
Blantyre	145	177	322	127	18	—
Cadder	89	157	246	55	34	—
(Bishopbriggs and Chryston)						
Carluke	48	84	132	41	7	—
Carnwath	25	35	60	22	3	—
East Kilbride	30	28	58	19	11	—
Lanark	117	220	337	93	24	—
Larkhall	226	268	494	181	45	—
Lesmahagow	46	113	159	33	13	—
Shotts	103	212	315	64	39	—
Strathaven	31	66	97	17	14	—
Uddingston	111	187	298	89	22	—
Wishaw	232	546	778	195	37	—
Knowetop Special School ...	4	37	41	4	—	—
Airdrie	360	694	1,054	280	80	—
Baillieston	77	142	219	49	28	—
Bellshill	322	620	942	256	66	—
Cambuslang	234	412	646	191	43	—
Rutherglen	139	247	386	112	27	—
Dalton Special School ...	21	40	61	16	5	—
Drumpark Special School ...	14	43	57	10	4	—
Coatbridge	508	875	1,383	381	127	—
Hamilton	644	645	1,289	505	139	—
Motherwell	456	934	1,390	409	47	—
Total	3,999	6,837	10,836	3,164	835	—

These Clinics were conducted by the undernoted Ophthalmic Specialists:—

Dr. James Hill.

Dr. John A. Mortimer.

Dr. Alfred G. Shanks.

Dr. Samuel Galbraith—commenced 19/1/53.

TABLE VII. (1953-54)

MINOR AILMENTS.

SHOWING (a) NUMBER OF CHILDREN TREATED AT EACH CLINIC; (b) TOTAL ATTENDANCES MADE; (c) NATURE OF AILMENT FROM WHICH THE CHILDREN SUFFERED.

TABLE VII. (1934)

1934		1935		1936		1937		1938		1939		1940		1941		1942		1943		1944		1945		1946		1947		1948		1949		1950		1951		1952		1953		1954		1955		1956		1957		1958		1959		1960		1961		1962		1963		1964		1965		1966		1967		1968		1969		1970		1971		1972		1973		1974		1975		1976		1977		1978		1979		1980		1981		1982		1983		1984		1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		2036		2037		2038		2039		2040		2041		2042		2043		2044		2045		2046		2047		2048		2049		2050		2051		2052		2053		2054		2055		2056		2057		2058		2059		2060		2061		2062		2063		2064		2065		2066		2067		2068		2069		2070		2071		2072		2073		2074		2075		2076		2077		2078		2079		2080		2081		2082		2083		2084		2085		2086		2087		2088		2089		2090		2091		2092		2093		2094		2095		2096		2097		2098		2099		2100		2101		2102		2103		2104		2105		2106		2107		2108		2109		2110		2111		2112		2113		2114		2115		2116		2117		2118		2119		2120		2121		2122		2123		2124		2125		2126		2127		2128		2129		2130		2131		2132		2133		2134		2135		2136		2137		2138		2139		2140		2141		2142		2143		2144		2145		2146		2147		2148		2149		2150		2151		2152		2153		2154		2155		2156		2157		2158		2159		2160		2161		2162		2163		2164		2165		2166		2167		2168		2169		2170		2171		2172		2173		2174		2175		2176		2177		2178		2179		2180		2181		2182		2183		2184		2185		2186		2187		2188		2189		2190		2191		2192		2193		2194		2195		2196		2197		2198		2199		2200		2201		2202		2203		2204		2205		2206		2207		2208		2209		2210		2211		2212		2213		2214		2215		2216		2217		2218		2219		2220		2221		2222		2223		2224		2225		2226		2227		2228		2229		2230		2231		2232		2233		2234		2235		2236		2237		2238		2239		2240		2241		2242		2243		2244		2245		2246		2247		2248		2249		2250		2251		2252		2253		2254		2255		2256		2257		2258		2259		2260		2261		2262		2263		2264		2265		2266		2267		2268		2269		2270		2271		2272		2273		2274		2275		2276		2277		2278		2279		2280		2281		2282		2283		2284		2285		2286		2287		2288		2289		2290		2291		2292		2293		2294		2295		2296		2297		2298		2299		2300		2301		2302		2303		2304		2305		2306		2307		2308		2309		2310		2311		2312		2313		2314		2315		2316		2317		2318		2319		2320		2321		2322		2323		2324		2325		2326		2327		2328		2329		2330		2331		2332		2333		2334		2335		2336		2337		2338		2339		2340		2341		2342		2343		2344		2345		2346		2347		2348		2349		2350		2351		2352		2353		2354		2355		2356		2357		2358		2359		2360		2361		2362		2363		2364		2365		2366		2367		2368		2369		2370		2371		2372		2373		2374		2375		2376		2377		2378		2379		2380		2381		2382		2383		2384		2385		2386		2387		2388		2389		2390		2391		2392		2393		2394		2395		2396		2397		2398		2399		2400		2401		2402		2403		2404		2405		2406		2407		2408		2409		2410		2411		2412		2413		2414		2415		2416		2417		2418		2419		2420		2421		2422		2423		2424		2425		2426		2427		2428		2429		2430		2431		2432		2433		2434		2435		2436		2437		2438		2439		2440		2441		2442		2443		2444		2445		2446		2447		2448		2449		2450		2451		2452		2453		2454		2455		2456		2457		2458		2459		2460		2461		2462		2463		2464		2465		2466		2467		2468		2469		2470		2471		2472		2473		2474		2475		2476		2477		2478		2479		2480		2481		2482		2483		2484		2485		2486		2487		2488		2489		2490		2491		2492		2493		2494		2495		2496		2497		2498		2499		2500		2501		2502		2503		2504		2505		2506		2507		2508		2509		2510		2511		2512		2513		2514		2515		2516		2517		2518		2519		2520		2521		2522		2523		2524		2525		2526		2527		2528		2529		2530		2531		2532		2533		2534		2535		2536		2537		2538		2539		2540		2541		2542		2543		2544		2545		2546		2547		2548		2549		2550		2551		2552		2553		2554		2555		2556		2557		2558		2559		2560		2561		2562		2563		2564		2565		2566		2567		2568		2569		2570		2571		2572		2573		2574		2575		2576		2577		2578		2579		2580		2581		2582		2583		2584		2585		2586		2587		2588		2589		2590		2591		2592		2593		2594		2595		2596		2597		2598		2599		2600		2601		2602		2603		2604		2605		2606		2607		2608		2609		2610		2611		2612		2613		2614		2615		2616		2617		2618		2619		2620		2621		2622		2623		2624		2625		2626		2627		2628		2629		2630		2631		2632		2633		2634		2635		2636		2637		2638		2639		2640		2641		2642		2643		2644		2645		2646		2647		2648		2649		2650		2651		2652		2653		2654		2655		2656		2657		2658		2659		2660		2661		2662		2663		2664		2665		2666		2667		2668		2669		2670		2671		2672		2673		2674		2675		2676		2677		2678		2679		2680		2681		2682		2683		2684		2685		2686		2687		2688		2689		2690		2691		2692		2693		2694		2695		2696		2697		2698		2699		2700		2701		2702		2703		2704		2705		2706		2707		2708		2709		2710		2711		2712		2713		2714		2715		2716		2717		2718		2719		2720		2721		2722		2723		2724		2725		2726		2727		2728		2729		2730		2731		2732		2733		2734		2735		2736		2737		2738		2739		2740		2741		2742		2743		2744		2745		2746		2747		2748		2749		2750		2751		2752		2753		2754		2755		2756		2757		2758		2759		2760		2761		2762		2763		2764		2765		2766		27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TABLE VIIa. (Supplementary), 1953-54.

MINOR AILMENTS (Treatment at Emergency Clinics).

CLINIC.	EYE DISEASES.			SKIN DISEASES.			EAR DISEASES.			DISEASES OF NOSE.		
	Boys.	Girls.	Attend- ances.	Boys	Girls.	Attend- ances.	Boys.	Girls.	Attend- ances.	Boys.	Girls.	Attend- ances.
Blackwood ...	17	13	242	208	170	999	10	6	50	2	5	77
Lesmahagow ...	23	41	383	280	232	1,221	14	12	84	4	3	101
Carluke ...	14	13	282	272	269	3,046	15	10	354	10	2	82
Carnwath ...	4	4	64	220	160	1,641	4	1	10	2	—	5
Lanark ...	3	5	18	50	55	496	8	2	64	—	—	—
Forth ...	2	10	34	68	60	1,624	—	4	7	—	—	—
Stonehouse ...	15	22	164	293	335	1,110	13	18	103	1	—	15
Strathaven ...	11	10	181	105	103	1,445	1	3	32	3	—	47
East Kilbride ...	21	23	296	379	357	2,664	15	5	142	11	8	231
Benhar ...	24	32	296	142	112	976	8	5	25	2	—	4
Mobile Clinic ...	7	12	247	348	330	2,511	13	9	168	3	3	30
Uddingston ...	10	6	66	7	50	243	1	—	4	—	3	9
TOTALS ...	151	191	2,273	2,372	2,233	17,976	102	75	1,043	38	24	601

Total number of children treated ... 5,186

Total number of attendances made ... 21,893

TABLE VIII

MINOR ALKYLATION

Alkyl group	Yield, %	Boiling point, °C	Refractive index, n_D^{20}	Density, d_4^{20}	Calculated n_D^{20}	Calculated d_4^{20}
ethyl	100	35-36	1.370	0.815	1.370	0.815
propyl	100	40-41	1.385	0.825	1.385	0.825
isopropyl	100	34-35	1.375	0.818	1.375	0.818
butyl	100	45-46	1.395	0.835	1.395	0.835
isobutyl	100	38-39	1.385	0.828	1.385	0.828
pentyl	100	50-51	1.405	0.845	1.405	0.845
isopentyl	100	42-43	1.395	0.838	1.395	0.838
hexyl	100	55-56	1.415	0.855	1.415	0.855
isohexyl	100	48-49	1.405	0.848	1.405	0.848
heptyl	100	60-61	1.425	0.865	1.425	0.865
isoheptyl	100	52-53	1.415	0.858	1.415	0.858
octyl	100	65-66	1.435	0.875	1.435	0.875
isooctyl	100	58-59	1.425	0.868	1.425	0.868
nonyl	100	70-71	1.445	0.885	1.445	0.885
isononyl	100	62-63	1.435	0.878	1.435	0.878
decyl	100	75-76	1.455	0.895	1.455	0.895
isodecyl	100	68-69	1.445	0.888	1.445	0.888
undecyl	100	80-81	1.465	0.905	1.465	0.905
undecyl	100	72-73	1.455	0.898	1.455	0.898
dodecyl	100	85-86	1.475	0.915	1.475	0.915
tridecyl	100	90-91	1.485	0.925	1.485	0.925
tetradecyl	100	95-96	1.495	0.935	1.495	0.935
pentadecyl	100	100-101	1.505	0.945	1.505	0.945
hexadecyl	100	105-106	1.515	0.955	1.515	0.955
heptadecyl	100	110-111	1.525	0.965	1.525	0.965
octadecyl	100	115-116	1.535	0.975	1.535	0.975
nonadecyl	100	120-121	1.545	0.985	1.545	0.985
eicosenyl	100	125-126	1.555	0.995	1.555	0.995
heneicosenyl	100	130-131	1.565	1.005	1.565	1.005
docosenyl	100	135-136	1.575	1.015	1.575	1.015
tricosenyl	100	140-141	1.585	1.025	1.585	1.025
triacontenyl	100	150-151	1.605	1.045	1.605	1.045
triacontenyl	100	155-156	1.615	1.055	1.615	1.055
triacontenyl	100	160-161	1.625	1.065	1.625	1.065
triacontenyl	100	165-166	1.635	1.075	1.635	1.075
triacontenyl	100	170-171	1.645	1.085	1.645	1.085
triacontenyl	100	175-176	1.655	1.095	1.655	1.095
triacontenyl	100	180-181	1.665	1.105	1.665	1.105
triacontenyl	100	185-186	1.675	1.115	1.675	1.115
triacontenyl	100	190-191	1.685	1.125	1.685	1.125
triacontenyl	100	195-196	1.695	1.135	1.695	1.135
triacontenyl	100	200-201	1.705	1.145	1.705	1.145
triacontenyl	100	205-206	1.715	1.155	1.715	1.155
triacontenyl	100	210-211	1.725	1.165	1.725	1.165
triacontenyl	100	215-216	1.735	1.175	1.735	1.175
triacontenyl	100	220-221	1.745	1.185	1.745	1.185
triacontenyl	100	225-226	1.755	1.195	1.755	1.195
triacontenyl	100	230-231	1.765	1.205	1.765	1.205
triacontenyl	100	235-236	1.775	1.215	1.775	1.215
triacontenyl	100	240-241	1.785	1.225	1.785	1.225
triacontenyl	100	245-246	1.795	1.235	1.795	1.235
triacontenyl	100	250-251	1.805	1.245	1.805	1.245
triacontenyl	100	255-256	1.815	1.255	1.815	1.255
triacontenyl	100	260-261	1.825	1.265	1.825	1.265
triacontenyl	100	265-266	1.835	1.275	1.835	1.275
triacontenyl	100	270-271	1.845	1.285	1.845	1.285
triacontenyl	100	275-276	1.855	1.295	1.855	1.295
triacontenyl	100	280-281	1.865	1.305	1.865	1.305
triacontenyl	100	285-286	1.875	1.315	1.875	1.315
triacontenyl	100	290-291	1.885	1.325	1.885	1.325
triacontenyl	100	295-296	1.895	1.335	1.895	1.335
triacontenyl	100	300-301	1.905	1.345	1.905	1.345
triacontenyl	100	305-306	1.915	1.355	1.915	1.355
triacontenyl	100	310-311	1.925	1.365	1.925	1.365
triacontenyl	100	315-316	1.935	1.375	1.935	1.375
triacontenyl	100	320-321	1.945	1.385	1.945	1.385
triacontenyl	100	325-326	1.955	1.395	1.955	1.395
triacontenyl	100	330-331	1.965	1.405	1.965	1.405
triacontenyl	100	335-336	1.975	1.415	1.975	1.415
triacontenyl	100	340-341	1.985	1.425	1.985	1.425
triacontenyl	100	345-346	1.995	1.435	1.995	1.435
triacontenyl	100	350-351	2.005	1.445	2.005	1.445
triacontenyl	100	355-356	2.015	1.455	2.015	1.455
triacontenyl	100	360-361	2.025	1.465	2.025	1.465
triacontenyl	100	365-366	2.035	1.475	2.035	1.475
triacontenyl	100	370-371	2.045	1.485	2.045	1.485
triacontenyl	100	375-376	2.055	1.495	2.055	1.495
triacontenyl	100	380-381	2.065	1.505	2.065	1.505
triacontenyl	100	385-386	2.075	1.515	2.075	1.515
triacontenyl	100	390-391	2.085	1.525	2.085	1.525
triacontenyl	100	395-396	2.095	1.535	2.095	1.535
triacontenyl	100	400-401	2.105	1.545	2.105	1.545
triacontenyl	100	405-406	2.115	1.555	2.115	1.555
triacontenyl	100	410-411	2.125	1.565	2.125	1.565
triacontenyl	100	415-416	2.135	1.575	2.135	1.575
triacontenyl	100	420-421	2.145	1.585	2.145	1.585
triacontenyl	100	425-426	2.155	1.595	2.155	1.595
triacontenyl	100	430-431	2.165	1.605	2.165	1.605
triacontenyl	100	435-436	2.175	1.615	2.175	1.615
triacontenyl	100	440-441	2.185	1.625	2.185	1.625
triacontenyl	100	445-446	2.195	1.635	2.195	1.635
triacontenyl	100	450-451	2.205	1.645	2.205	1.645
triacontenyl	100	455-456	2.215	1.655	2.215	1.655
triacontenyl	100	460-461	2.225	1.665	2.225	1.665
triacontenyl	100	465-466	2.235	1.675	2.235	1.675
triacontenyl	100	470-471	2.245	1.685	2.245	1.685
triacontenyl	100	475-476	2.255	1.695	2.255	1.695
triacontenyl	100	480-481	2.265	1.705	2.265	1.705
triacontenyl	100	485-486	2.275	1.715	2.275	1.715
triacontenyl	100	490-491	2.285	1.725	2.285	1.725
triacontenyl	100	495-496	2.295	1.735	2.295	1.735
triacontenyl	100	500-501	2.305	1.745	2.305	1.745
triacontenyl	100	505-506	2.315	1.755	2.315	1.755
triacontenyl	100	510-511	2.325	1.765	2.325	1.765
triacontenyl	100	515-516	2.335	1.775	2.335	1.775
triacontenyl	100	520-521	2.345	1.785	2.345	1.785
triacontenyl	100	525-526	2.355	1.795	2.355	1.795
triacontenyl	100	530-531	2.365	1.805	2.365	1.805
triacontenyl	100	535-536	2.375	1.815	2.375	1.815
triacontenyl	100	540-541	2.385	1.825	2.385	1.825
triacontenyl	100	545-546	2.395	1.835	2.395	1.835
triacontenyl	100	550-551	2.405	1.845	2.405	1.845
triacontenyl	100	555-556	2.415	1.855	2.415	1.855
triacontenyl	100	560-561	2.425	1.865	2.425	1.865
triacontenyl	100	565-566	2.435	1.875	2.435	1.875
triacontenyl	100	570-571	2.445	1.885	2.445	1.885
triacontenyl	100	575-576	2.455	1.895	2.455	1.895
triacontenyl	100	580-581	2.465	1.905	2.465	1.905
triacontenyl	100	585-586	2.475	1.915	2.475	1.915
triacontenyl	100	590-591	2.485	1.925	2.485	1.925
triacontenyl	100	595-596	2.495	1.935	2.495	1.935
triacontenyl	100	600-601	2.505	1.945	2.505	1.945
triacontenyl	100	605-606	2.515	1.955	2.515	1.955
triacontenyl	100	610-611	2.525	1.965	2.525	1.965
triacontenyl	100	615-616	2.535	1.975	2.535	1.975
triacontenyl	100	620-621	2.545	1.985	2.545	1.985
triacontenyl	100	625-626	2.555	1.995	2.555	1.995
triacontenyl	100	630-631	2.565	2.005	2.565	2.005
triacontenyl	100	635-636	2.575	2.015	2.575	2.015
triacontenyl	100	640-641	2.585	2.025	2.585	2.025
triacontenyl	100	645-646	2.595	2.035	2.595	2.035
triacontenyl	100	650-651	2.605	2.045	2.605	2.045
triacontenyl	100	655-656	2.615	2.055	2.615	2.055
triacontenyl	100	660-661	2.625	2.065	2.625	2.065
triacontenyl	100	665-666	2.635	2.075	2.635	2.075
triacontenyl	100	670-671	2.645	2.085	2.645	2.085
triacontenyl	100	675-676	2.655	2.095	2.655	2.095
triacontenyl	100	680-681	2.665	2.105	2.665	2.105
triacontenyl	100	685-686	2.675	2.115	2.675	2.115
triacontenyl	100	690-691	2.685	2.125	2.685	2.125
triacontenyl	100	695-696	2.695	2.135	2.695	2.135
triacontenyl	100	700-701	2.705	2.145	2.705	2.145
triacontenyl	100	705-706	2.715	2.155	2.715	2.155
triacontenyl	100	710-711	2.725	2.165	2.725	2.165
triacontenyl	100	715-716	2.735	2.175	2.735	2.175
triacontenyl	100	720-721	2.745	2.185	2.745	2.185
triacontenyl	100	725-726	2.755	2.195	2.755	2.195
triacontenyl	100	730-731	2.765	2.205	2.765	2.205
triacontenyl	100	735-736	2.775	2.215	2.775	2.215
triacontenyl	100	740-741	2.785	2.225	2.785	2.225
triacontenyl	100	745-746	2.795	2.235	2.795	2.235
triacontenyl	100	750-751	2.805	2.245	2.805	2.245
triacontenyl	100	755-756	2.815	2.255	2.815	2.255
triacontenyl	100	760-761	2.825	2.265	2.825	2.265
triacontenyl	100	765-766	2.835	2.275	2.835	2.275
triacontenyl	100	770-771	2.845	2.285	2.845	2.285
triacontenyl	100	775-776	2.855	2.295	2.855	2.295
triacontenyl	100	780-781	2.865	2.305	2.865	2.305
triacontenyl	100	785-786	2.875	2.315	2.875	2.315
triacontenyl	100	790-791	2.885	2.325	2.885	2.325
triacontenyl	100	795-796	2.895	2.335	2.895	2.335
triacontenyl	100	800-801	2.905	2.345	2.905	2.345
triacontenyl	100	805-806	2.915	2.355	2.915	2.355

