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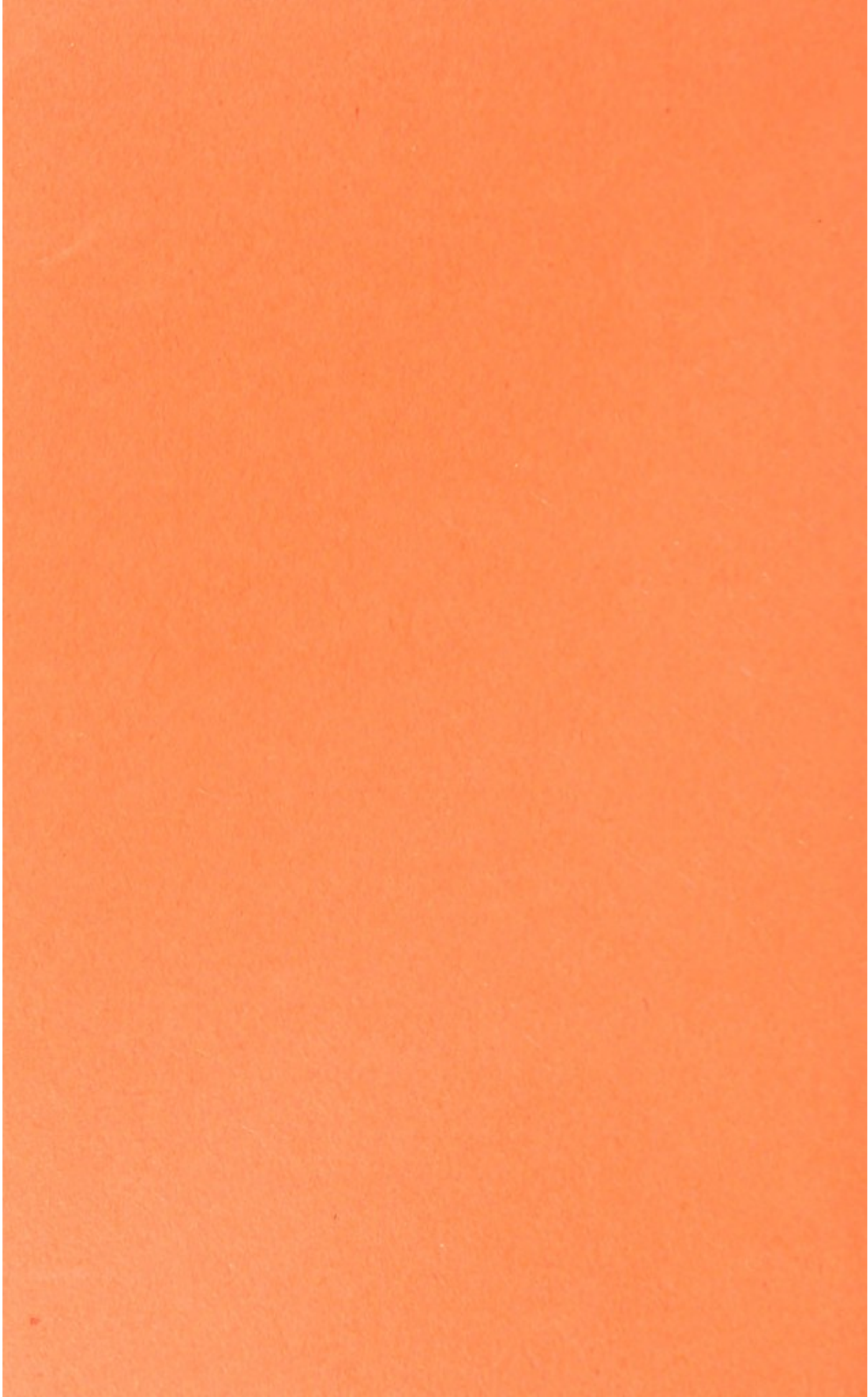
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For Year Ending 31st July 1949



COUNTY OF BANFF

INSTITUTE OF SOCIAL
MEDICINE

10. PARKS ROAD,
OXFORD

THIRTY - THIRD
ANNUAL REPORT

ON THE
MEDICAL INSPECTION
AND
SUPERVISION
OF
SCHOOL CHILDREN

For Year Ending 31st July 1949



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**To the Department of Health for Scotland, the Department of
Education for Scotland and the County Council of Banff.**

Ladies and Gentlemen,

I have the honour to submit to you the THIRTY-THIRD ANNUAL REPORT on the Medical Inspection, Supervision and Treatment of School children in the County of Banffshire for the year ending 31st July, 1949.

All concerned with Education in the County have, as before, shown a keen interest in the work of Medical Inspection and treatment, and I wish again to express my thanks to the Director of Education and his staff, to all head and class teachers throughout the County and to H.M. Inspectors of Schools in the area for their continued help, courtesy and co-operation. To the clerical staff of the Public Health Department I am again indebted for much valuable aid.

The coming into being of the National Health Service (Scotland) Act, 1947, on 5th July, 1948, resulted in certain changes in the School Medical Services, particularly in the field of special ophthalmic and E.N.T. facilities; and indirectly in the resignation of the senior and one assistant dental officer.

These changes are commented on in the body of the report, but it may be observed here that the change over of the responsibility for providing specialist eye and ear services from the Education Authority to the Regional Hospital Board was not accomplished without a break in the continuity of these services so that the session was completed with an unusually large number of children awaiting tonsillectomy and awaiting provision of glasses or examination by an ophthalmic specialist. It is hoped to overtake this accumulation during next session.

The reduction in the amount of scabies amongst the school population has been maintained.

A marked increase in the number of parents attending the medical inspection with their children is noted as a gratifying feature of the year's work.

The progress in the provision of school meal facilities has not been as rapid as one might have wished for.

The general level of nutrition and cleanliness remains satisfactory and the standard of environmental hygiene maintained at most of the schools is commendable.

The Report is in the revised form set out in Part II. of the Appendix to N.M. & C. Circular No. 60/1938, dated 3rd June, 1938. Appended is a report on the Diphtheria Immunisation Scheme up to June 1949.

I am, Ladies and Gentlemen,

Your Obedient Servant,

JAS. A. BUCHANAN,
School Medical Officer.

Health Department,
Sandyhill Road,
Banff.

**MEMBERS OF
SCHOOL MEDICAL INSPECTION SUB-COMMITTEE.**

Bailie G. WOOD, Hamewith, Hill Street, Portsoy, Chairman.

Col. Sir G. W. ABERCROMBY, Bart., D.S.O., Forglen House, by
Turriff.

DONALD CORRIGALL, M.A., J.P., Longhope, Rothiemay.

Rev. G. A. M. DICKSON, The Manse, Fordyce, Portsoy.

Provost FALCONER, The Anchorage, Portknockie.

J. W. MILNE, Paddocklaw, By Banff.

Provost JOHN KEIR, Ardmannoch, Cullen.

R. C. A. McNICOL, Knock Farm, Grange.

BANFF COUNTY COUNCIL.

R E P O R T

ON

**THE MEDICAL EXAMINATION, SUPERVISION AND TREATMENT
OF SCHOOL CHILDREN for the year ending 31st July, 1949.**

1.—LIST OF STAFF.

(a) Whole Time.

Medical Officer of Health—

Daniel I. Walker, M.A., M.B., Ch.B., D.P.H.

School Medical Officer and Assistant Medical Officer of Health—

James A. Buchanan, M.B., Ch.B., D.P.H.

Dental Staff—

L. Rae, L.R.C.P. & S., L.D.S., Senior Dental Officer.
(Resigned December, 1948.)

K. Yorston, L.D.S., Assistant Dental Officer.

D. Buckland, L.D.S., Assistant Dental Officer.
(Resigned December, 1948.)

Dental Attendants—

Miss A. A. M'Intosh. (Resigned December, 1948.)

Miss A. Hay (Resigned December, 1948.)

Miss E. Watt.

School Nurse—

Miss H. Greenlaw.

Clerkesses—

Miss B. Massie.

„ M. Mair.

(h) Part Time.

Dental Staff—

A. M'L. Robertson, L.D.S. (Appointed April, 1949).

School Nurses—

Name.	Area.
Miss H. Gloyer	Aberlour.
" I. Sim	Banff.
" I. Gordon	Boharm.
" I. Moggach	Boyndie and Banff Landward.
* " L. A. M. Ferrier	Buckie.
* " M. B. Morrison	
Mrs I. G. Pearson	Cairnie and Grange.
Miss A. E. Thomson	Findochty and Rathven (Eastern).
" A. Roy	Fordyce and Portsoy.
" M. S. Blackhall	Gardenstown and East Gamrie.
" E. Miller	Glass and Cabrach.
Mrs M. A. Matheson	Inveravon and Glenlivet.
Miss A. Stronach	Keith
" A. R. Kidd	Keith Landward and Botriphnie.
" M. A. Gregory	Kirkmichael and Tomintoul.
" M. Webster	King-Edward (Dunlugas).
Mrs A. M'Gregor	Knock, Ordiquhill and Rothiemay.
Miss A. Campbell	Macduff.
" F. Donald	Marnoch and neighbouring Parishes.
" P. Philip	
" I. M'Kenzie	Mortlach.
" J. Middleton	Portgordon and Rathven (Western).
* " J. Hay	Portknockie, Cullen and Deskford.

* Nurses who took up duty during the current year.

2. GENERAL STATISTICS.

Population of the area 51,800
(Registrar-General's estimate for quarter ending 30.6.49.)

Number of schools—

(a) Primary	} Under	41
(b) Secondary (Junior)		26
(c) Secondary (Senior)		7
(d) (i) Special Schools	} Authority	—
(ii) Special classes in ordinary schools		—
(e) In receipt of grant from education authority and under medical inspection		1

Number of children on the registers 9428

3.—SANITARY CONDITION OF SCHOOLS.

The sanitary condition of the schools was reviewed in the report for the year ending 31st July, 1946, pages 8 and 9.

The following constructional alterations and improvements have been carried out during the year in various schools:—

(a) Painter work at various schools.

(b) Central Heating Installations:—

Keith R.C. School

Botriphnie J.S. School (Heating Chamber, etc).

Tarrycroys P. School
 Fordyce Academy (Primary Department).

(c) Electric Lighting facilities :—

Keith Grammar School (Secondary Department)
 Rothiemay J.S. School
 Inveravon P. School
 Banff Academy (Infant and Junior School and Primary Department)
 Cullen J.S. School
 Ternemny P. School
 Sandend P. School
 Macduff High School (Infant School).

(d) Girls Latrines :—

Banff Academy—Primary School.

(e) Latrines :—

Portessie J.S. School—Infant School.

(f) Harling work and improvements at schools throughout the County.

(g) Playing Field at new Primary School levelled and improved :—
 Keith Grammar School.

Blairmaud P. School—destroyed by fire.

School Canteens.

Kitchens put into operation at Portgordon, Whitehills and Boyndie.

Kitchens nearing completion at Keith and Banff, and in progress at Aberlour and Rothiemay.

4—ORGANISATION AND ADMINISTRATION.

This was reviewed in detail in the report for the year ending 31st July, 1946, pages 9 to 14.

A.—System and Extent of Medical Inspection and Treatment.

Staff.

The whole time staff has been depleted by the resignation of the Senior Dental Officer and one Assistant Dental Officer to take up practice under the more lucrative terms of service offered by the National Health Service (Scotland) Act, 1947. The two Dental Attendants who worked with those Dental Officers thereupon became surplus and their appointments were terminated. Towards the end of the session a local Dental Practitioner was appointed part-time to give three mornings and one afternoon per week to schools in the Portsoy, Fordyce, Banff and Aberchirder areas.

Treatment Schemes.

With the coming into being of the provisions of the National Health Service (Scotland) Act, 1947, specialist ophthalmic examination and treatment for school children, and the provision of specialist aural surgery,

including operative treatment of tonsils and adenoids, became functions of the Regional Hospital Board. The existing part-time appointments, therefore, of School Oculist and School Aural Surgeon as held under contract with the Education Authority ceased. Negotiations were entered into between the North Eastern Regional Hospital Board and the Education Committee for the continuance of these services to the school population on a basis which would be mutually satisfactory to both interested bodies. It was agreed that specialist ophthalmic examination of school children be carried out by Dr Duncan Ritchie, Ophthalmic Surgeon, Elgin, at a series of sessions to be given to school children at various centres throughout the County and that tonsillectomy sessions be given to school children by specialist E.N.T. Surgeons, appointed by the Board, at hospitals in Banff, Buckie and Keith as required.

By an agreement the services of an optician are made available especially for the school children. He visits the schools shortly after the specialist ophthalmic surgeon's visit (whose reports are made available to him), measures the children for spectacles and provides the type of frame desired, if the parents wish to avail themselves of these facilities.

It has been agreed that tonsillectomy sessions for school children will be arranged for as required by operation sessions at hospitals in Banff, Buckie and Keith, the cases requiring operation to be notified to the hospital by the School Medical Officer. Cases requiring specialist ear examination, audiometry testing, provision of hearing aid etc., are referred to the E.N.T. Department, Royal Aberdeen Hospital for Sick Children, Aberdeen, as no consulting E.N.T. Clinic has yet been established in Banffshire.

B.—Scheme and Extent of Dental Inspections.

Owing to the resignation of the Senior Dental Officer and one Assistant Dental Officer the scheme of treatment as envisaged in the Report dated 31st July, 1948, pages 9 and 10, could not be carried out fully. The School Dental Officer comments as follows:—

“During the school year ending 31st July, 1949, treatment was carried out for 31 schools, 9 of these were examined the previous session, 3 were under part-time dentists working 3 half days per week. Of the 31 schools 25 were rural and of the total 24 were completed.

The condition of mouths on the whole was good and the percentage of acceptances 83 per cent. satisfactory.

At present there is only one full-time dental officer the two others having resigned at the end of 1948 and since May of this year a part-time practitioner was employed.”

C.—School Nursing and Arrangements for Following Up.

From August to July the School Nurses made 772 visits to schools when they examined or treated 32,374 children, and 666 visits to homes when they examined or treated 484 children.

The following table shows the work done in the various areas:—

Area.	No. of Visits made by Nurse to Schools.	No. of Children seen or inspected in School.	No. of Homes Visited.	No. of Children inspected in Homes.
Aberlour	24	650	1	—
Banff	12	500	44	21
Buckie	83	3251	36	36
Boharm	21	720	5	5
Boyndie and Banff				
Landward	35	1292	31	11
(Cairnie and) Grange ...	49	1792	4	4
East Gamrie	29	2074	26	20
Findochty and Rathven				
(Eastern)	19	738	23	24
Fordyce and Portsoy	47	1895	19	15
(Glass and) Cabrach ..	35	643	75	13
Inveravon and				
Glenlivet	55	1154	19	22
Keith	43	2621	46	26
Keith Landward and				
Botriphnie	35	1474	21	12
Kirkmichael and				
Tomintoul	31	1657	—	—
Knock, Ordiquhill and				
Rothiemay	49	3371	8	9
Macduff	26	1048	53	65
Marnoch and Neigh-				
bouring Parishes ..	51	2063	28	19
Mortlach	51	1175	144	80
Portgordon and Rathven				
(Western)	32	1035	31	43
Portknockie, Cullen and				
Deskford	14	633	25	15
Dunlugas	11	135	8	8
Buckie Health Visitor	20	2453	19	36
	772	32374	666	484

D.—Co-ordination with the Public Health Service, and with other Departments of the Authority which render services to children.

(1) The School Medical Officer is also the Assistant Medical Officer of Health for the County which forms a valuable liaison with all other health activities.

(2) The Maternity and Child Welfare Record Cards are forwarded to the whole time School Nurse when the child becomes of school age so that they are available at each school when the entrant group is being examined.

(3) The nurses who visit schools and look after treatment and follow-up arrangements are also District Nurses who have thus a valuable knowledge of the child's home environment and close personal contact with the parents. These nurses are invited to be present during School Medical Inspection visits.

E.—Co-operation with Voluntary Bodies and other Outside Agencies.

Junior Red Cross Links exist in 10 schools, namely:—

- No. 50 Forglen School, By Turriff.
- No. 52 Blairmaud School, Boyndie (In abeyance).
- No. 53 Brodiesord School, Cornhill.
- No. 56 Alvah Public School, By Banff.
- No. 527 The Infant School, Macduff.
- No. 698 High School, Aberchirder.
- No. 743 Inverkeithny School, By Huntly.
- No. 846 The High School, Macduff.
- No. 863 Easterfield School.
- No. 994 Cullen J.S. School.

and those do valuable work by poster propaganda, example and precept of the members and simple theoretical and practical teaching in hygiene.

F.—Co-operation with Teachers and Parents, with special reference to the attendance of parents at inspections, the formation of parent-teacher associations and general health propaganda in schools.

Parents are invited to be present on the occasion of the School Medical Officer's visit and head teachers are asked to make this invitation particularly warm.

On the occasion of his visit the School Medical Officer personally contacts all teachers in the school and discusses particular children with them and such general matters as seating, lighting, heating, ventilation, feeding, sanitary and playground arrangements and their effect on the child's health and general efficiency.

406 parents were present at the routine examinations and 130 attended with special cases.

5.—THE FINDINGS OF MEDICAL INSPECTION.

A.—General Review:—

(1) Clothing.

2719 children were examined systematically and 3 or .11% were found to have insufficient clothing.

Among the specials 6 were found to have unsatisfactory clothing.

(2) Footgear.

2719 children were examined systematically and 2 or .07% were found to have unsatisfactory footgear. There were 2 special cases with unsatisfactory footgear.

(3) Uncleanliness (Head and Body).

2719 children were examined systematically and 103 or 3.78% were found to have unclean conditions of the head, and 5 or .18% to have unclean conditions of the body.

There were 119 special cases with head nits or vermin and 3 with vermin of the body.

(4) Skin (Head and Body).

2719 children were examined systematically with regard to skin condition and the following cases were found:—

(a) Head.

Ringworm	.....	—	or	—
Impetigo	.....	8	or	.29%
Other Diseases	.....	1	or	.04%

(b) Body.

Ringworm	.....	—	or	—
Impetigo	.....	9	or	.33%
Scabies	.....	7	or	.26%
Other Diseases	.....	25	or	.91%

Special Cases.

Among the special cases, Ringworm was found on the head of 1 child and on the body of 2 children, impetigo on the head of 3 and on the body of 2 and scabies on 5 children. There were 4 cases of other head conditions and 20 of other body conditions.

Other diseases include cases of alopecia, ichthyosis, seborrhoea, dermatitis, eczema, urticaria, psoriasis, acne vulgaris, prurigo and furunculosis.

(5) Nutrition.

There were 10 cases, or .37%, with slightly defective nutrition found during the Routine inspections, and 7 cases amongst the specials.

(6) Mouth and Teeth.

2719 children were examined systematically, and 219 or 8.04% were found with unhealthy conditions of the mouth and teeth. In the Entrant group only such cases as Dental Abscess, &c., were noted. There were 93 special cases with unhealthy conditions of the mouth and teeth.

(7) Naso Pharynx.

2719 children were examined systematically, and the following defects were found:—

(a) Nose:

(1) Obstruction requiring observation	.....	18	or	.66%
(2) Obstruction requiring operative treatment	.....	—	or	—
(3) Other conditions (mostly catarrh)	.....	20	or	.73%

(b) Throat:

(1) Tonsils requiring observation	.....	276	or	10.13%
(2) Tonsils requiring operative treatment	.....	107	or	3.93%

(c) Glands:

(1) Requiring observation	138	or 5.06%
(2) Requiring operative treatment	1	or .04%

Special Cases—

(a) Nose:

(1) Obstruction requiring observation	11
(2) Obstruction requiring operative treatment ...	4
(3) Other conditions	8

(b) Throat:

(1) Tonsils requiring observation	331
(2) Tonsils requiring operative treatment	143

(c) Glands:

(1) Requiring observation	97
(2) Requiring operative treatment	2

(8) Eyes.

2719 children were examined systematically and 8 or .29% were found with blepharitis, 5 or .18% with conjunctivitis, 5 or .18% with opacities, 42 or 1.54% with strabismus, and 4 or .14% with other diseases. Other diseases included cases of nystagmus, nebulae, and cataract.

80 or 2.9% were recommended for refraction. 90 or 3.3% were wearing glasses.

1875 children were examined for visual acuity in the routine groups and 109 or 5.8% were found with fair vision, and 33 or 1.76% with bad vision.

Among the special cases there were 12 with blepharitis, 6 with conjunctivitis, 4 with corneal opacities, 57 with strabismus, and 10 with other diseases, 204 were wearing spectacles, 192 had fair vision, and 66 had bad vision.

The total number subjected to routine vision testing was 2686 and 112 were recommended for refraction.

(9) Ears.

2719 children were examined systematically and 21 or .77% were found to have otorrhoea, and 5 or .18% to have other diseases.

The following cases of defective hearing were found:—

Grade I.	56	or 2.06%
Grade II. (a)	2	or .07%
Grade II. (b)	—	or —
Grade III.	1	or .04%

Among the Special Cases 7 had otorrhoea, 10 had other diseases, and the following had defective hearing:—

Grade I.	49
Grade II. (a)	14
Grade II. (b)	2
Grade III.	1

(10) Speech.

2719 children were examined systematically, and 34 or 1.25% were found with defective articulation, and 7 or .26% with stammer.

There were 42 cases with defective speech and 8 with stammer among the Special Cases.

(11) Mental and Nervous Condition.

2719 children were examined systematically, and the following cases were found:—

(a) Backward (due to irregular attendance, absence or other extrinsic cause)	6	or	.22%
(b) Dull (intrinsically)	40	or	1.46%
(c) Mentally defective (educable)	9	or	.33%
(d) Mentally defective (uneducable)	—	or	—
(e) Highly nervous or unstable	1	or	.04%
(f) Difficult in behaviour	1	or	.04%
Specials.			
(a) Backward	8		
(b) Dull	59		
(c) Mentally defective (educable)	14		
(d) Mentally defective (uneducable)	1		
(e) Highly nervous or unstable	2		
(f) Difficult in behaviour	2		
(g) Cases brought to the notice of the Education Authority only	7		

(12) Circulatory System.

2719 children were examined systematically, and the conditions found were:—

(a) Organic heart disease:			
(1) Congenital	12	or	.44%
(2) Acquired	10	or	.37%
(b) Functional conditions	39	or	1.43%
Specials.			
(a) Organic heart disease:			
(1) Congenital	10		
(2) Acquired	9		
(b) Functional conditions	31		

(13) Lungs.

2719 children were examined systematically, and the conditions found were:—

(a) Chronic bronchitis	4	or	.14%
(b) Suspected tuberculosis	1	or	.04%
(c) Other diseases	26	or	.95%

Specials.

(a) Chronic bronchitis	4		
(b) Suspected tuberculosis	—		
(c) Other diseases	23		

(14) Deformities.

2719 children were examined systematically, and the following conditions were found:--

(a) Congenital	25	or	.91%
(b) Acquired (infantile paralysis)	5	or	.18%
(c) Acquired (probable rickets)	1	or	.04%
(d) Acquired (other causes)	20	or	.73%
Specials.			
(a) Congenital	21		
(b) Acquired (infantile paralysis)	5		
(c) Acquired (probable rickets)	1		
(d) Acquired (other causes)	12		

(15) Infectious Diseases.

Amongst routines there were 2 cases of infectious disease (chicken-pox) or .07% and 6 cases (mumps) among the specials.

(16) Other Diseases or Defects.

2719 children were examined systematically, and 55 or 2.04% were found with other diseases or defects. This number included cases of Enlarged Thyroid (4), Anaemia (10), Enuresis (12), Hernia (7), Phimosis (3), Threadworm (4), Cyst (2), Headaches (3), Migraine (1), Bronchiectasis (1), Cystic Hygroma of Neck (1), Petit Mal (1), Epistaxis (3), Obesity (2), Hay Fever (1).

There were 81 special cases with other diseases or defects. This number included cases of Anaemia (8), Enuresis (10), Hernia (10), Enlarged Thyroid (5), Threadworm (8), Rheumatism (2), Epilepsy (7), Sprain (1), Fracture (3), Diabetes (2), Synovitis (1), Osteomyelitis (1), Colostomy (1), Injuries (effects of) 7, Dysmenorrhœa (1), Epistaxis (2), Mastitis (2), Obesity (3), Lipoma (1), Facial Paralysis (1), Coeliac Disease (2), Bronchiectasis (2), Lipodystrophy Progressiva (1).

(17) Average Heights and Weights.

Boys.				Girls.			
Age.	Total No. Measured.	Inches.	Lbs.	Age.	Total No. Measured	Inches.	Lbs.
5 ⁶	421	43.0	43.0	5 ⁵	423	42.2	41.3
9 ⁸	484	51.5	64.7	9 ⁷	431	50.9	62.4
13 ⁷	444	58.8	93.7	13 ⁷	437	59.6	98.3
16 ⁷	29	67.1	136.9	16 ⁷	50	63.5	121.6

B.—Statistical Tables.

These tables are placed at the end of the Report, pages 19 to 26.

6.—MEDICAL TREATMENT.

A. Minor Ailments (at Buckie School Clinic).

	Number of Children who received treatment under Education Committee Scheme.
(1) Cuts, bruises, sprains, minor injuries, etc.	718
(2) Diseases of ear	10
(3) Diseases of the eye, excluding defective vision	18
(4) Diseases of the skin—	
Ringworm (Scalp)—	
X-Ray treatment	—
Other treatment	—
Ringworm (Body)	1
Scabies	18
Impetigo	41
Other diseases	21

As from 5th July, 1948, when the National Health Services (Scotland) Act, 1947, came into operation the treatment of defects of vision and squint, operative treatment on the nose and throat, and specialist orthopaedic treatment for school children became functions of the Regional Hospital Service and special schemes for such treatment, as sponsored by the Education Committee, were superseded. The Regional Hospital Boards by means of out-patient clinics and other services have provided all facilities necessary for such treatment among the school population and the numbers receiving treatment are as follows:—

B. Defective Vision and Squint.

Number of children treated	200
Number of Children provided with spectacles	100
Number of children with squints treated by operation	4

C. Nose and Throat (Operative Treatment).

Number of children treated	222
----------------------------------	-----

D. Orthopaedic and Postural Defects. (Specialist Treatment).

88 children between 5-16 years received advice, etc., at Orthopaedic Clinics.

7.—DENTAL INSPECTION AND TREATMENT.

See paragraph 4 (B) for Extent of Inspection and Treatment, and Table V., page 27 for details.

8.—SPECIAL SCHOOLS AND CLASSES:—

(a) Physically Defective Children:

- 1 child is being provided with special tuition in his home.
- 1 child is at a school for physically defective children.

(b) Blind and Partially Sighted Children:

Five Blind children attend the Royal Blind School, Edinburgh.

(c) Deaf, Partially Deaf and Deaf-Mute Children :

There are 10 children in special schools.

2 children at ordinary schools have been provided with hearing aids.

(d) Mentally Defective Children :

There are 9 educable defectives in special schools, and 5 ineducables in institutions.

(e) Retarded Children (Dull) :

These children are taught in the ordinary school.

There are no special schools in the county, and suitable children are sent to special schools outwith the county as occasion arises.

9.—ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE.**A.—Accommodation for Physical Exercise in School and Playground.**

These were reviewed in the report ending 31st July 1946.

E.—Practical Instruction in Personal and Communal Hygiene.

At each school visit the Medical Officer gives a simple talk on personal and communal hygiene to the children during his class room visits.

Domestic Science teachers by posters on food values and insistence on personal cleanliness do valuable work.

Red Cross Links where they exist in schools are doing good work as educators in hygiene.

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

Several teachers are connected with Youth Organisations, such as the Boy Scouts, Girl Guides and Boys' Brigade which meet in the School Premises, and instruction in health matters are given as part of their organised activities through their teacher leaders

Meals and Milk.

During Session 1948-49 the general position in the County was :—

Type of Meal.	No. of Schools at which provision made.
Dinners (two courses)	21
Lunches (bread and butter, cheese and milk)	4
Soup Meals (soup and bread)	8
Light Meals (cocoa, etc.)	34
Schools at which no special provision is made	7
Total number of Schools	74

Milk—

T.T. Milk	70	Schools
Non-designated	2	,,
Dried Milk only	2	,,
	74	,,

99.5% of children attending schools have the opportunity of taking milk. 85.5% of these regularly take milk.

13.8% of children have the opportunity of taking a school dinner. Of these 32.9% take advantage of this.

TABLE I.

Total number of children examined at:—

		(a) Systematic Examinations.	Other Systematic Examinations.
Ordinary Schools.	Entrants	844	17
	Second Age Group	915	6
	Third Age Group	881	9
	Fourth Age Group	79	1
	Total	2719	33

(b) Other examinations:—

Special cases	2637
Re-inspections by Medical Officer	923
Total	3560

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

Entrants	85
Second Age Group	84
Third Age Group	56
Fourth Age Group	2
Other systematic examinations	—
Total	227

TABLE II.

Return of the number and percentage of individual children in each age-group suffering from particular defects:—

Nature of Defect	Total Ex- amined at all ages	Entrants		Second age group		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1. Clothing											
unsatisfactory	2719	1	—	—	1	—	1	—	—	1	2
		.24			.23		.23			.07	.15
2. Footgear											
unsatisfactory	„	1	1	—	—	—	—	—	—	1	1
		.24	.24							.07	.07
3. Cleanliness—											
(a) Head :	„	10	27	10	33	1	21	—	1	21	82
		2.4	6.38	2.06	7.65	.23	4.81		2.00	1.52	6.12
(b) Body :	„	1	2	1	1	—	—	—	—	2	3
		.24	.47	.21	.23					.15	.22
4. Skin —											
(a) Head :											
Ringworm	„	—	—	—	—	—	—	—	—	—	—
Impetigo	„	2	1	2	2	—	1	—	—	4	4
		.48	.24	.41	.46		.23			.29	.30
Other Diseases	„	—	—	—	1	—	—	—	—	—	1
					.23						.07
(b) Body :											
Ringworm	„	—	—	—	—	—	—	—	—	—	—
Impetigo	„	2	1	2	2	2	—	—	—	6	3
		.48	.24	.41	.46	.45				.44	.22
Scabies	„	2	1	1	1	—	1	—	1	3	4
		.48	.24	.21	.23		.23		2.00	.22	.30
Other Diseases	„	4	3	3	5	2	6	—	2	9	16
		.95	.71	.62	1.16	.45	1.37		4.00	.65	1.19
5. Nutritional state											
Slightly defective	„	3	2	1	2	2	—	—	—	6	4
		.71	.47	.21	.46	.45				.44	.30
Bad	„	—	—	—	—	—	—	—	—	—	—
6. Mouth and teeth											
unhealthy	„	4	4	78	63	33	31	4	2	119	100
		.95	.95	16.11	14.61	7.43	7.10	13.79	4.00	8.63	7.46
7. Naso Pharynx—											
(a) Nose :											
(1) Obstruction requiring observation	„	5	2	2	3	3	3	—	—	10	8
		1.19	.47	.41	.70	.68	.69			.73	.60

TABLE II.—Continued.

Nature of Defect	Total Examined at all ages	Entrants		Second age group		Thiry age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
(2) Obstruction (probably adenoids) requiring operative treatment	2719	—	—	—	—	—	—	—	—	—	—
(3) Other conditions	„	4	5	5	3	1	2	—	—	10	10
		.95	1.18	1.03	.70	.23	.46			.73	.75
(b) Throat:											
(1) Tonsils requiring observation	„	68	78	34	31	28	33	1	3	131	145
		16.15	18.43	7.02	7.19	6.30	7.56	3.45	6.00	9.50	10.82
(2) Tonsils requiring operative treatment	„	26	31	15	15	10	9	—	1	51	56
		6.18	7.33	3.10	3.48	2.25	2.06		2.00	3.70	4.18
(c) Glands:											
(1) Requiring observation	„	46	48	20	15	6	3	—	—	72	66
		10.90	11.34	4.13	3.48	1.35	.69			5.22	4.92
(2) Requiring operative treatment	„	—	1	—	—	—	—	—	—	—	1
			.24								.07
8. Eyes—											
(a) Externa Diseases											
Blepharitis	„	2	3	2	—	—	—	—	1	4	4
		.48	.71	.41					2.00	.29	.30
Conjunctivitis	„	2	2	1	—	—	—	—	—	3	2
		.48	.47	.21						.22	.15
Corneal Opacities	„	—	—	1	2	1	—	1	—	3	2
				.21	.46	.23		3.45		.22	.15
Strabismus	„	9	8	6	8	4	7	—	—	19	23
		2.14	1.89	1.24	1.86	.90	1.60			1.38	1.72
Other Diseases	„	1	—	—	—	2	1	—	1	3	1
		.24				.45	.23		2.00	.22	.07
(b) Visual Acuity:	1875										
Fair Vision	„	—	—	34	35	14	23	1	2	49	60
				7.02	8.12	3.15	5.27	3.45	4.00	3.55	4.48
Bad Vision	„	—	—	7	12	5	7	—	2	12	21
				1.45	2.78	1.13	1.60		4.00	.87	1.57
Glasses Worn	2719	4	3	13	27	12	18	4	7	35	55
		.95	.71	2.69	6.27	2.70	4.12	13.79	14.00	2.54	4.10

TABLE II.—*Continued.*

Nature of Defect	Total Examined at all ages	Entrants		Second age group		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
(c) Recommended for Refraction	2719	4	3	26	28	10	8	—	1	40	40
	.95	.71	5.37	6.50	2.25	1.83	—	2.00	2.90	2.98	
9. Ears—											
(a) Diseases :											
Otorrhoea	„	2	2	1	3	7	6	—	—	10	11
	.48	.47	.21	.70	1.58	1.37	—	—	.73	.82	
Other Diseases	„	2	—	—	1	1	1	—	—	3	2
	.48	—	—	.23	.23	.23	—	—	.22	.15	
(b) Defective Hearing :											
Grade 1	„	11	7	8	8	10	12	—	—	29	27
	2.61	1.65	1.65	1.86	2.25	2.74	—	—	2.10	2.01	
„ 2a	„	1	—	—	—	1	—	—	1	1	
	.24	—	—	—	—	.23	—	—	.07	.07	
„ 2b	„	—	—	—	—	—	—	—	—	—	
„ 3	„	—	—	—	—	—	—	1	—	1	—
								3.45	—	.07	
10. Speech—											
Defective articulation	„	13	8	5	3	4	1	—	—	22	12
	3.09	1.89	1.03	.70	.90	.23	—	—	1.60	.90	
Stammering	„	3	—	1	1	2	—	—	—	6	1
	.71	—	.21	.23	.45	—	—	—	.44	.07	
11. Mental & Nervous Condition—											
(a) Backward, due to irregular attendance, absence or other extrinsic cause	„	—	—	1	1	2	2	—	—	3	3
	—	—	.21	.23	.45	.46	—	—	.22	.22	
(b) Dull (intrinsically)	„	2	2	8	4	16	7	—	1	26	14
	.48	.47	1.65	.93	3.60	1.60	—	2.00	1.89	1.04	
(c) Mentally Defective (educable)	„	—	—	1	3	3	2	—	—	4	5
	—	—	.21	.70	.68	.46	—	—	.29	.37	
(d) Mentally Defective (ineducable)	„	—	—	—	—	—	—	—	—	—	
(e) Highly Nervous or Unstable	„	—	1	—	—	—	—	—	—	1	
	—	.24	—	—	—	—	—	—	—	.07	
(f) Difficult in Behaviour	„	—	—	1	—	—	—	—	—	1	—
	—	—	.21	—	—	—	—	—	—	.07	

TABLE II.—*Continued*

Nature of Defect	Total Ex- amined at all ages	Entrants		Second age group		Third age group		Fourth age group		All ages	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
12. Circulatory System—											
(a) Organic Heart Disease:											
(1) Congenital	2719	4	1	2	3	1	1	—	—	7	5
		.95	.24	.41	.70	.23	.23			.51	.37
(2) Acquired	„	—	—	3	1	2	4	—	—	5	5
				.62	.23	.45	.92			.36	.37
(b) Functional conditions	„	3	2	3	5	5	10	—	1	11	18
		.71	.47	.62	1.16	1.13	2.29		2.00	.80	1.34
13. Lungs—											
Chronic Bronchitis	„	2	—	1	—	1	—	—	—	4	—
		.48		.21		.23				.29	
Suspected Tuberculosis	„	—	—	—	—	—	1	—	—	—	1
							.23				.07
Other Diseases	„	6	6	5	4	—	3	2	—	13	13
		1.43	1.42	1.03	.93		.69	6.90		.94	.97
14. Deformities—											
(a) Congenital	„	4	5	3	4	3	5	—	1	10	15
		.95	1.18	.62	.93	.68	1.15		2.00	.73	1.12
(b) Acquired (Infantile Paralysis)	„	—	—	2	1	1	1	—	—	3	2
				.41	.23	.23	.23			.22	.15
(c) Acquired (Probable Rickets)	„	—	1	—	—	—	—	—	—	—	1
			.24								.07
(d) Acquired (Other Causes)	„	3	1	3	—	6	7	—	—	12	8
		.71	.24	.62		1.35	1.60			.87	.60
15. Infections Disease	„	—	—	1	—	—	1	—	—	1	1
				.21			.23			.07	.07
16. Other Diseases or Defects	„	13	9	8	9	6	8	—	2	27	28
		3.09	2.13	1.65	2.09	1.35	1.83		4.00	1.96	2.09

TABLE III.
Systematic Medical Examinations.

Classification	Entrants.					2nd Age Group		3rd Age Group		4th Age Group		TOTAL.
	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group	No. of children	Percentage of the children examined in this group
1. Children free from defects	602	71.4	502	54.9	563	63.9	58	73.4	1725	63.4		
2. Children (otherwise free from defects) who suffer from—												
(a) Defective vision not worse than 6/12 in the better eye with or without glasses ; or	—	—	61	6.7	57	6.5	5	6.3	123	4.5		
(b) Conditions of the mouth and teeth requiring treatment	8	0.9	113	12.3	64	7.2	6	7.6	191	7.0		
(c) Both (a) and (b)	—	—	9	1.0	7	0.9	—	—	16	0.6		
TOTAL	8	0.9	183	20.0	128	14.6	11	13.9	330	12.1		
3. Children suffering from ailments (other than those mentioned in 2) from which complete recovery is anticipated within a few weeks	148	17.5	145	15.8	121	13.7	6	7.6	420	15.5		
4. Children suffering from (or suspected to be suffering from) defects less remediable than defects specified in 2 or 3, distinguishing cases—												
(a) Where complete cure or restoration of function (in the case of eye defect, full correction) is considered possible ;	76	9.0	62	6.8	46	5.2	2	2.5	186	6.9		
(b) Where improvement only is considered possible, e.g., without complete restoration of function	10	1.2	23	2.5	23	2.6	2	2.5	58	2.1		
TOTAL	86	10.2	85	9.3	69	7.8	4	5.0	244	9.0		
Total number of children examined	844	100%	915	100%	881	100%	79	100%	2719	100%		100%

TABLE IV.

Return of all Exceptional Children of School Age in the Area.

Disability.	At Ordinary Schools.	At Special Schools or Classes.	At no School or Institution.	Total.
1. Blind	—	1	—	1
2. Partially sighted :—				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	—	2	—	2
(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	4	2	—	6
3. Deaf :—				
Grade I.	105	—	—	105
Grade IIa.	16	—	—	16
Grade IIb.	2	—	—	2
Grade III.	2	10	—	12
4. Defective Speech :—				
(a) Defects of articulation requiring special educational measures	—	—	1	1
(b) Stammering requiring special educational measures	1	—	—	1
5. Mentally defective—(Children between 5 and 16 years):—				
(a) Educable (I.Q. approx. 50-70)	23	9	10	42
(b) Uneducable (I.Q. generally less than 50)	—	5	20	25
(c) Case brought to the notice of the Education Authority only	10	—	—	10

TABLE IV.—Continued.

Disability.	At Ordinary Schools.	At Special Schools or Classes.	At no School or Institution.	Total.
6. Epilepsy :—				
(a) Mild and occasional	8	—	—	8
(b) Severe (suitable for care in residential school)	—	—	—	—
7. Physically defective — (Child- ren between 5 and 16 years) :—				
(a) Non-pulmonary tubercul- osis (excluding cervical glands)	14	—	—	14
(b) General orthopaedic condi- tions	56	1	1	58
(c) Organic heart disease	41	—	1	42
(d) Other causes of ill-health	10	—	1	11
8. Multiple defects :—				
(a) 5(b), 7(b)	—	—	—	—
(b) 5(b), 6(a)	—	—	—	—
(c) 5(b), 6(b)	—	—	1	1
(d) 5(b), I	—	—	—	—
(e) 5(a), 7(b)	—	1	—	1
(f) 5(a), 6(a)	—	1	—	1
(g) 5(a), 6(b)	—	—	1	1
(h) 5(a), 7(d)	—	—	—	—
(i) 5(a), 3	1	—	—	1
(j) 5(a), I	—	—	—	—
(k) Other multiple defects :—				
(1) 2(b), 5(a), 7(b)	—	1	—	1
(2) 3I, 7(a)	1	—	—	1
(3) 3I, 7(c)	1	—	—	1
(4) 3I, 7(a)	1	—	—	1
(5) 4(a), 5(a), 7(b) ...	—	1	—	1
(6) 4(a), 7(b)	2	—	—	2
(7) 5(a), 7(c)	—	—	1	1
(8) 5(b), 6(b), 7(b) ...	—	—	1	1
(9) 7(b), 7(d)	1	—	—	1
(10) 7(c), 3III	—	—	1	1

TABLE V.

Dental Inspection and Treatment.**NUMBER OF CHILDREN WHO WERE:—****(1) Inspected by the Dental Officers:—**

Age.	(a) Systematic examinations.	(b) Special and emergency cases.	Total.
4	19	—	19
5	93	1	94
6	137	—	137
7	108	1	109
8	114	1	115
9	100	—	100
10	108	1	109
11	103	2	105
12	83	—	83
13	62	1	63
14	56	—	56
15	11	—	11
Total	994	7	1001

Systematic Special and
examinations. emergency cases

(2) Of all children examined:—

(a) Number accepting treatment	827	7
(b) Number refusing treatment	167	—
(3) (a) Number requiring treatment	717	7
(b) Number accepting treatment	588	7
(c) Number refusing treatment	129	—
(4) Actually treated by the school dental officers	1030	7
(5) Number of attendances made by children for treatment	3088	10
(6) Fillings:—		
(a) Permanent teeth	1985	2
(b) Temporary teeth	219	—
(7) Extractions:—		
(a) Permanent teeth	286	1
(b) Temporary teeth	677	5

N.B.—Section (4) includes pupils examined the previous session.

TABLE V.—Contd.

	Systematic examinations.	Special and emergency cases
(8) Number of administrations of a general anæsthetic for extractions	40	1
(9) Other Operations :—		
(a) Permanent teeth	917	2
(b) Temporary teeth	43	—
(10) Half-days devoted to inspection	41	—
Half-days devoted to treatment	665	—
(11) Number of children treated under private arrangements	17	—

**Statistics of work done by A. M'L. and A. B. Robertson,
Dental Surgeons, Banff.**

(1) Number of Children examined	114
(2) Number requiring treatment	101
(3) Number of attendances	203
(4) Fillings :—	
(a) Permanent teeth	173
(b) Temporary teeth	31
(5) Extractions :—	
(a) Permanent teeth	4
(b) Temporary teeth	115
(6) Number of administrations of a general anæsthetic for extraction	2
(7) Other operations :—	
(a) Permanent teeth	5
(b) Temporary teeth	—
(8) Number of Half-days :—	
Examination and treatment	26

N.B.—The above figures are not included in the other report.

BANFF COUNTY COUNCIL.

DIPHTHERIA IMMUNISATION TO JUNE 1949.

Artificial active immunisation of school and pre-school children, for whom consent was received, was continued free of charge from July 1948 to June 1949. All children from 9 months of age up to school leaving age were embraced, and re-immunisation was also carried out, though in the latter case one dose was regarded as sufficient. No Schick testing, either preliminary or post-injection, was carried out.

Alum Precipitated Diphtheria Toxoid supplied by the Department of Health was used as the immunising agent. Where a parent wished the inoculations given by the family doctor, the A.P.T. was supplied to him free of charge.

The numbers inoculated were:—

Immunised Children	963
Re-immunised Children	1055

Particulars are shown in the Table, Return of Immunisation.

Re-actions.

A number of children had slight re-actions. It was noted that generally speaking, older children who were being re-immunised showed rather a more marked re-action.

Incidence.

The number of notified cases of diphtheria from July 1948 to June 1949 inclusive was three, aged 17, 21 and 28 respectively. The first and third had not been immunised and the second had been immunised in 1941.

Mortality.

There were no deaths from diphtheria in the same period.

The following shows the number of children immunised and the number receiving maintenance inoculations since the Diphtheria Immunisation Scheme commenced in 1941:—

Date.	No. Immunised.	No. Receiving Maintenance Inoculations.
1941-42	10,748	354
1942-43	1,195	31
1943-44	987	7
1944-45	619	1,201
1945-46	635	1,349
1946-47	616	491
1947-48	714	811
1948-49	963	1055

D I P H T H E R I A

Return of Immunisation, Cases and Deaths in respect of period
1st July 1948 to 30th June 1949, according to year of birth.

Year of Birth of persons	Number of new immunisations completed during period.	Number of maintenance inoculations given during period.	Immunised Persons		Non-Immunised Persons	
			(a) Confirmed cases of diphtheria during period.	(b) Diphtheria deaths during period.	(a) Confirmed cases of diphtheria during period.	(b) Diphtheria deaths during period.
(1)	(2)	(3)	(4)	(5)	(6)	
1949	—	—	—	—	—	—
1948	153	—	—	—	—	—
1947	366	—	—	—	—	—
1946	157	—	—	—	—	—
1945	80	1	—	—	—	—
1944	48	82	—	—	—	—
1943	74	274	—	—	—	—
1942	32	57	—	—	—	—
1941	17	45	—	—	—	—
1940	8	26	—	—	—	—
1939	20	510	—	—	—	—
1938	4	21	—	—	—	—
1937	2	9	—	—	—	—
1936	—	5	—	—	—	—
1935	2	6	—	—	—	—
1934	—	9	—	—	—	—
1933	—	19	—	—	—	—
1932 or earlier	—	—	1	—	2	—
Total	963	1055	1	Nil	2	Nil



