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PERTH AND KINROSS COUNTY COUNCIL

COUNTY HEALTH DEPARTMENT

R E P O R T

on the

SCHOOL HEALTH SERVICE

for the year ending 31st July, 1959

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INTRODUCTION.

I record with regret the sudden death on 24th April, 1959, of Dr. James Kelman, Medical Officer of Health and Chief School Medical Officer for the Combined Counties of Perth and Kinross since 1946, under whom I had the privilege to serve during the past two years.

During his long period of office in Perth, stretching over twenty-seven years, first as Assistant Medical Officer and later as Chief, Dr. Kelman acquired an intimate knowledge of the health problems in this County, and his advice, so often sought, was always readily given. He worked unsparingly to promote the health and happiness of the school child, and to improve the facilities available for the education and training of these less fortunate children with severe mental and physical handicaps.

This Report for the year 1958-59 follows the usual lines laid down by the Department of Health.

The figures are very similar to those of recent years and show that the general health of the school population is being maintained at a satisfactory level. Tuberculin testing and B.C.G. vaccination were carried out as usual on children aged thirteen years, and mass radiography was arranged where this was indicated. This year chest X-ray by M.K.R. for all school staffs in the County was arranged.

During the year poliomyelitis vaccination took up a considerable amount of the time of the medical and clerical staff. Third or "booster" injections were offered to all who had had second injections at least seven months previously. Many of the younger members of school staffs took advantage of the offer of vaccination when the age group was extended to include persons born in the years 1933-42. Ample supplies of vaccine were available throughout the year.

The School Dental Service is still under-staffed. Early in 1959 authority was granted to appoint an additional dental officer to bring the strength up to six, but it has not been possible to implement this owing to a scarcity of qualified dentists or an unwillingness of dentists to enter the Schools' Service.

The Chief Dental Officer reports that the establishment is still below that required to provide annual dental inspection and treatment of school children, while it is generally regarded that inspection at six-monthly intervals is desirable. The appointment of parttime dental officers to supplement the present staff may have to be considered.

Two Speech Therapists were available during the session, but there is still a long waiting list of cases requiring attention.

The Education Psychologist also reports a long waiting list, and it would appear that the demand for his services is such that he is unable to cope single-handed.

During the year some additional beds became available at Baldovan Institution, Dundee and several of the severely mentally handicapped children who had been on the waiting list for several years were admitted. There is, however, still a shortage of institutional accommodation in the area for this type of case.

In conclusion I would like to acknowledge the assistance and encouragement which the School Health Service has received from head teachers, teachers and general practitioners throughout the area, and also from the members of the County Council and its senior staff for which we in the Medical Department are sincerely grateful.

A.S. CALDWELL,
County Medical Officer.

PERTH: 30th November, 1959.

I should wish to report the progress of the work done during the year 1935-36. The work has been carried out in accordance with the programme of work approved by the Council of the League of Nations in 1934.

During the last period of office in 1935, a number of important decisions were taken. It was decided to continue the work on the League of Nations, and to carry out the programme of work approved by the Council in 1934. It was also decided to carry out the work on the League of Nations, and to carry out the programme of work approved by the Council in 1934.

The report for the year 1935-36 follows the same plan as the report for the year 1934-35.

The League of Nations was established in 1920, and has since that time been the only international organization of its kind. It has been the only organization of its kind which has been established by a treaty, and which has been given the right to enforce its decisions.

During the year 1935-36, the League of Nations has continued its work on the League of Nations, and has carried out the programme of work approved by the Council in 1934.

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The work of the League of Nations during the year 1935-36 has been carried out in accordance with the programme of work approved by the Council in 1934.

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League of Nations
Geneva

1936

1. LIST of STAFF.

Chief School Medical Officer: James Kelman, M.D. D.P.H. (died 24/4/59)
A.S. Caldwell, M.B. Ch.B., D.P.H.
(appointed 20/7/59)

Medical Officer - Perth City Schools: John M. Aitken, M.B. Ch.B. D.P.H.

Assistant School Medical Officers:

A.S. Caldwell, M.B. Ch.B. (Senior) (appointed Chief
School Medical Officer, 20/7/59)
Sheila M. Ore, M.B. Ch.B. D.P.H. (appointed Senior
School Medical Officer, 20/7/59)
Eileen R. Forrest, M.B. Ch.B., D.P.H.
Elizabeth T. Watson, M.B. Ch.B. (part-time).

Senior Dental Officer:

M.R. Kirkland, L.D.S.

Assistant Dental Officers:

Mrs. M. Black, L.D.S.
Miss C.J. Brunton, L.D.S.
Mrs. Elizabeth Wallace L.D.S.
W.J. MacKillop, L.D.S. (appointed 3/12/58).

School Nurses:

Full time: Miss Isobel Wake (Perth City)
Part time: 50 County District Nurses
7 City Health Visitors

Physiotherapists:

Miss A.C. Hampton (Senior)
Miss M. Hearnshaw
Miss E. Robertson (appointed 1/9/58)

Orthoptist:

Miss Elspeth A. Dickson (resigned 30/1/59)
Miss Alison Robb (appointed 31/1/59)

Audiometrician:

Miss Flora Auchterlonie

Orthopaedic Almoner:

Miss M. Hearnshaw (part time)

Clinical Assistants:

Medical: Mrs. Eliz. Cameron
Dental: Mrs. Freda Scobie (resigned 23/8/58)
Miss Christine Clayton
Miss Catherine Howbray
Miss Catherine M. Rintoul (resigned 10/7/59)
Mrs. S. Humphreys (appointed 15/9/58,
resigned 15/6/59)
Mrs. H.W. Ross (appointed 1/12/58)
Miss H.S. Walker (appointed 16/6/59)

2. GENERAL STATISTICS.

Population of the area		134,159
Number of Schools:		
(a) Nursery)	1
Nursery classes in ordinary schools)	1
(b) Primary)	Under
(c) Senior Secondary)	Education
(d) Junior Secondary)	Authority
(e) (1) Special Schools)	19
(2) Special Classes)	-
(3) Occupation Centres)	2
(f) In receipt of grant from Education Authority and under Medical inspection		2
Average number of children on the roll		20,395
Number in average attendance during year		18,772

3. SANITARY CONDITIONS OF SCHOOLS.

The Department of Health for Scotland advise that this subject be dealt with by a series of systematic surveys extending over a period of years. This year Perth City schools are due for review.

These are as follows: Perth Academy (Higher), Perth Junior Academy, Caledonian Road, Perth High, Northern District, Southern District, Central District, Craigie, Kinnoull, Cherrybank, St. John's R.C., St. Ninian's Epis. Priarton Nursery, Goodlyburn Primary and Secondary Schools and the Occupation Centre, Rose Terrace.

1. General. Perth City schools were last surveyed in 1953. In the interval many improvements have been effected. Goodlyburn School has been completed and occupied, and Perth Occupation Centre was opened on 18/11/57 at the Corner House, Rose Terrace. This accommodation at the Corner House, used for the training of ineducable mental defectives, is not suited to its purpose, and consideration should be given to the acquisition of more suitable premises with sufficient ground to form a play space, which would allow a greater measure of privacy to these children.

The Report below refers to conditions as at 31/7/59, but where a scheme is on hand this is indicated thus (S).

2. Overcrowding. Some degree of overcrowding exists in Perth Senior Academy (S), Caledonian Road and staffroom accommodation is insufficient at Northern District School.

3. Condition of Buildings. These are considered to be structurally sound and in good repair.

4. Playgrounds and Playing Fields. At Caledonian Road School the boys' playground is reported to flood on occasion. Provision of an additional gully might rectify this. Perth Academy, Perth High and Craigie Schools have playing fields, the remaining schools having the use of the North and South Inches.

5. Shelter Sheds. All the shelter sheds are in good order.

6. Water Supply. This is very satisfactory.

7. Washhand Basins. These are insufficient at Caledonian Road, Northern District, Craigie and St. John's Primary School. Hot water is now provided at all City Schools, but at Northern District and Southern District the supply of hot water is considered inadequate.

8. Toilets At the following schools the toilets are outside and are not heated: Caledonian Road, Northern District, Southern District, Craigie, Cherrybank and St. Ninian's. The number of W.Cs. is insufficient at Caledonian Road (four extra for girls), Northern District (10 extra for girls) (and roofing required for boys' urinal), Craigie (three extra for girls, three for boys) and St. John's Primary (four extra for girls).

9. Ventilation and Lighting. Natural lighting is poor in some rooms at Caledonian Road, Craigie and St. John's Primary Schools.

10. Heating. This is for the most part satisfactory, but St. John's Primary School and rooms K and L in Perth High School are heated inadequately by gas.

11. Facilities for Drying Clothes. Clothes are dried by hot water pipes in all schools except St. John's Primary where gas heaters are provided and these are less satisfactory.

12. Cloakrooms. These are satisfactory in all schools except Southern District, where improvements are being planned.

13. Cleansing. All schools are kept in a clean condition.

14. Dining Accommodation. Increased accommodation is being provided at Perth Senior Academy and improvements are contemplated at the Junior Academy. Halls outwith the school premises are used by Caledonian Road, Craigie and St. Ninian's Schools. The accommodation generally is satisfactory and well kept.

15. Improvements throughout the County. Position at 31/7/59.

Killin School: New part completed and occupied; old part being reconstructed now.

Kincardine School: New classrooms completed and dining centre nearing completion.

Portnoak School: New school and schoolhouse nearing completion.

Aberuthven School: New classrooms completed and dining centre in progress.

Coupar Angus School: New part of school in progress.

Strathyre School: New school nearing completion. Schoolhouse occupied.

Kinnoull School: Alterations expected to be completed in Autumn, 1959.

Perth Senior Academy: New classrooms and dining centre in progress.

Crieff J.S. School: Additional accommodation (Medway Huts) ready for occupation.

Residential School for Mentally Handicapped Children in Scone programmed to start in 1960.

Stanley J.S. School: Gymnasium completed and occupied.

Blairgowrie High School: Completed and occupied on 1st September, 1958, officially opened in January, 1959.

Invervar Primary School: Extensions started.

4. ORGANISATION AND ADMINISTRATION.

A. System and extent of medical inspection and treatment. No change occurred in the general arrangements during the year. The groups of children examined systematically during 1958-59 were (1) entrants and (2) children born in the years 1949, 1945 and 1942. Details of the results of these examinations are shown below and in the statistical tables.

As is now usual, boosting doses of diphtheria prophylactic were given to entrants, and tuberculin testing and where necessary B.C.G. vaccination were carried out for children in the thirteen year old group. Vaccination against poliomyelitis continued during the year when all school children were given the opportunity of vaccination and third or "booster" injections given to those who had previously had two injections. The procedures mentioned in this paragraph are National Health Service functions of the County and Town Councils as Local Health Authorities, but for convenience they are administered on a joint basis with Perth City within the framework of the School Health Service.

B. System and extent of dental inspection and treatment. The general arrangements were unchanged during the session under review. Four dental officers were available during the whole session and a fifth dental officer took up duty during November. Details of the work done are given later in this Report.

C. School Nursing and arrangements for following up.

D. Co-ordination.

E. Co-operation with voluntary bodies etc.

No change occurred under these heads.

F. Co-operation with teachers and parents. The teaching staff have again been most helpful in referring cases to the School Medical Officers, and in co-operating to ensure the attendance of children for specialist advice and treatment. The attendance/

attendance of parents at inspections was much the same as in previous years. One talk was given to a Parent-Teacher Association during the year.

5. FINDINGS of MEDICAL INSPECTION.

The number of children examined systematically was 6032, as against 7173 for the previous year. In addition, the Medical Officers examined in the schools 980 special cases and made 1206 re-examinations. The number of children examined for vision only at age seven was 1634 and the number of children in employment examined was 285.

Except where otherwise stated, the figures in the following sections refer to the 6032 children examined systematically.

1. Clothing.

Number of children examined systematically	6032	
Number with unsatisfactory clothing	10 (0.17%)	
	<u>Perth City</u>	<u>Perth County</u>
Number of examinations of children by the nurses	21,098	46,037
Number with unsatisfactory clothing (including footwear)	19	29

The nurses' inspections are made without previous warning.

2. Footwear. Only 1 (0.02) child was found with unsatisfactory footwear.

3. Cleanliness. The findings at the routine school medical inspections are not a very reliable index of cleanliness since the children may have been cleaned up for the occasion.

(a) Heads - dirty, nits or vermin	34 (0.56)
(b) Bodies - dirty, or verminous	3 (0.05)

The corresponding figures for last year were (0.77) and (0.11) respectively.

The nurses' cleanliness inspections give a more reliable index since no warning is given of visits. In 21,098 examinations in Perth City Schools, 43 children were found to have verminous heads on one or more occasions, as against 42 in 1957-58, 35 in 1956-57 and 48 in 1955-56. In addition 234 children were found to have nits on one or more occasions.

In 46,037 County examinations, 43 children were found to have verminous heads on one or more occasions, the previous figures being 56 in 1957-58 and 43 in 1956-57. In addition, 169 children were found to have nits on one or more occasions.

The procedure laid down in the Education (Scotland) Act, 1946, was found to work satisfactorily. 8 formal notices were issued to parents requiring them to cleanse a total of 15 children.

4. Skin. Very few skin conditions were found at routine inspections.

(a) Heads:	Ringworm	Nil
	Impetigo	1 (0.02)
	Others	18 (0.3)
(b) Bodies:	Ringworm	Nil
	Impetigo	2 (0.03)
	Scabies	2 (0.03)
	Others	88 (1.46)

5. Nutrition. The general level of nutrition has been well maintained. Of the 6032 children examined, 36 (0.60) were in a state of nutrition regarded as slightly defective, and in 2(0.03) it was regarded as defective.

6. Mouth and Teeth. Of the 6032 children examined at routine inspections, 442 (7.33) were considered by the Medical Officers to have unhealthy mouths, but these figures must be regarded as conservative when compared with the findings of the detailed examinations by the Dental Officers.

7. Naso-Pharynx. Most of the defects found again consisted of unhealthy tonsils and adenoids.

35 (0.58) cases were found to have slight nasal obstruction. 29 (0.48) had a degree of obstruction requiring operative treatment and 11 (0.18) had other nasal conditions.

In 250 cases (4.13) the tonsils were enlarged but not unhealthy. In 53 (0.88) cases it was considered that removal of the tonsils and/or adenoids was necessary.

16 cases (0.27) had glandular enlargement requiring observation, and 7 (0.12) probably requiring surgical treatment.

8. Eyes. The usual external diseases of the eyes, blepharitis and conjunctivitis are now uncommon. The cases found were treated, either at the school clinic or by the District Nurses. Strabismus (squint) remains a relatively common defect in this area. Cases of squint and defective eyesight are referred to the Eye Specialist.

Of the 6032 children examined, 23 (0.38) were found to have blepharitis, 7 (0.12) conjunctivitis and 1 (0.02) corneal opacity. 118 (1.96) were found to have strabismus of varying degrees. 19 (0.32) were found to be suffering from other eye conditions.

523 children (8.67) were found to have some degree of defective vision. Of the 1634 children examined for vision at age seven, 93 (1.54) had some degree of defective vision, 84 (1.39) having fair vision (not worse than 6/12 in the better eye) and 9 (0.15) having bad vision (worse than 6/12 in the better eye).

9. Ears. 5 children (0.09) were found at routine inspection to be suffering from otorrhoea and 8 (0.13) from other diseases of the ear.

29 cases of defective hearing were found at routine inspection. 18 of these cases were classified as Grade I (capable of education in an ordinary classroom), 8 as Grade II(a) (capable of education in an ordinary class if seated near the teacher) 1 as Grade II(b) (requiring special education, but not of the type required for those whose speech and language are seriously affected) and 2 as Grade III (so deaf that speech and language are seriously defective and requiring education as for deaf and dumb children).

10. Speech. 33 children (0.55) were found to have defective articulation, and 5 (0.09) were found to suffer from stammering.

11. Mental and Nervous Conditions. The cases referred to below are those brought to notice for the first time during routine inspections.

(a) Backward	3 (0.05)
(b) Dull	19 (0.31)
(c) Mentally Defective (educable)	6 (0.10)
(d) Mentally defective (ineducable)	2 (0.03)
(e) Highly nervous or unstable	10 (0.17)
(f) Difficult in behaviour	5 (0.09)

12. Circulatory System. 22 children were found at routine inspection to have organic heart disease, congenital in 15 cases (0.25) and acquired in 7 cases (0.12). 26 cases (0.43) were found to have functional heart conditions.

13. Lungs. 10 children (0.17) were found to have chronic bronchitis, 3 (0.05) suspected tuberculosis and 42 (0.70) had other chest conditions including asthma.

14. Deformities. The cases referred to below are those included in the groups systematically examined, but the majority were already known to the Orthopaedic Department.

(a) Congenital deformities	88 (1.46)
(b) Acquired (infantile paralysis)	10 (0.17)
(c) Acquired (probably rickets)	1 (0.02)
(d) Acquired (other causes)	170 (2.81)

15. Infectious Diseases. 7 (0.12) cases were found at routine inspections.

16. Other diseases and defects. Nothing unusual was found under this heading. The total found was 174 (2.85).

17. Vaccination. 83.75% of all children examined were found to have been vaccinated. The percentage varied slightly between the age groups - entrants 85.18%; 1949 group (81.57%); 1945 group 84.42% and 1942 group 93.91%.

18. Heights and Weights. The table below gives the average heights and weights found.

Year 1958-59.

<u>Group</u>	<u>Number Examined</u>	<u>Average Age</u>		<u>Height ins.</u>	<u>Average Weight lbs.</u>
		<u>Years</u>	<u>Months</u>		
Entrants	B 976	5	3	43.2	43
	G 832	5	2	42.6	42
Nines (1949)	B 979	9	3	52.2	66.1
	G 910	9	4	51.8	64
Thirteens (1945)	B 825	13	8	61.0	99.1
	G 760	13	7	61.7	102.6
Sixteens (1942)	B 161	16	8	67.1	140
	G 151	16	5	63.4	123.6

6. TREATMENT.

A. Minor Ailments.

(1) Cuts, bruises, sprains and minor injuries. In Perth City treatment is available for those cases at the school clinic. Suspected fractures or other injuries requiring X-ray or special treatment are referred to Perth Infirmary. In the County, cases are treated by the teachers or district nurses. First aid requisites are supplied to all schools, with special outfits for the science and practical classes, and these are replenished as required.

Details of cases treated at the Perth Clinic are as follows:

Cases treated during the year	430
Cases ceasing to attend	cured 428
	improved -
Cases under treatment at end of year	2

In addition a small minor ailments clinic is held at Perth High School, and during the year 246 children were dealt with, of whom 136 were referred to the school clinic for treatment.

(2) Diseases of the ear. In Perth City cases are treated by the School Clinic. County cases are treated either by the District Nurses or the family doctors. Cases treated at Perth Clinic:

Cases treated during the year	37
Cases ceasing to attend	cured 37
	improved-
Cases under treatment at end of year	-

During the session 21 Ear, Nose and Throat clinics were held, at which there were 302 examinations of children by the Specialist. 56 cases were recommended for removal of tonsils and adenoids and 47 of these cases were done before the end of the session. 1 case of otorrhoea and 6 nasal cases were dealt with. 29 cases of catarrhal deafness were successfully treated by politzeration. In 13 cases conservative treatment was advised. 6 cases were referred for investigation of sinuses; 6 cases were referred to the Deafness Clinic, Dundee and of these 3 received hearing aids and 2 are still being investigated.

(3) Diseases of the eye, excluding defective vision. Cases usually consist of styes, blepharitis or conjunctivitis. These are treated by the clinic or the District Nurses. 142 cases were treated at the Perth Clinic this year.

(4) Diseases of the Skin. 19 cases of scabies and 49 cases of impetigo were dealt with during the session. All the cases were mild and cleared up without difficulty. 169 other skin cases were dealt with. Some two-thirds of these were warts on the hands, knees and face. These occurred in most of the City schools and the/

the numbers at the beginning of the 1959-60 session were similar to last year.

B. Defective Vision and Squint. Eye Clinics for school children, primarily a function of the Regional Hospital Board, are run on a joint basis within the School Health Service. Pre-school children are also dealt with at these clinics.

The number of new cases examined for the first time was 539, including 70 children under five years of age. Of these cases, 336 were examined at the Perth Clinic, 43 at Crieff, 42 at Dunblane, 17 at Aberfeldy, 50 at Blairgowrie, 22 at Pitlochry, 29 at Kinross, 92 of those cases were squints and in 64 cases no defect was found by the Specialist. The remaining 383 cases were classified as follows:

Simple Hypermetropia	42 (7.79%)
Simple Myopia	89 (16.5)
Hypermetropic Astigmatism	10 (1.86)
Myopic Astigmatism	2 (0.37)
Compound Hypermetropic Astigmatism	73 (13.5)
Compound Myopic Astigmatism	35 (6.5)
Mixed Astigmatism	59 (10.9)
Other conditions	73 (13.5)

The number of children re-examined was 1438, and the total number of refractions was 1977. Spectacles were ordered in 1056 cases.

The total number of cases seen by the Orthoptist during the year was 321. 80 of these were seen only once for diagnostic purposes. 90 attended for supervision whilst undergoing a course of occlusion to re-establish good visual acuity in the squinting or amblyopic eye. 74 cases were given orthoptic exercises to improve their binocular function. 103 cases were kept under observation to ensure that no deterioration took place either in the state of binocular function or the visual acuity. The number of attendances by the 321 cases was 1605.

C. Nose and Throat - operative treatment. Altogether 201 cases were done at Perth Royal Infirmary and a further 134 at Bridge of Earn Hospital, of which 3 and 63 respectively had been referred through the School Health Service. At the end of the session the number of cases on the School List awaiting operation was 15.

In the Western District, 37 cases were done at Stirling Royal Infirmary, all having been referred by general practitioners.

D. Orthopaedic Treatment. This Regional Hospital Board service, dealing with children of all ages, is administered within the framework of the School Health Service, and is based on the Perth School Clinic.

During the session, 1890 school children were seen by the Orthopaedic Surgeon and 109 school children were admitted to hospital (Bridge of Earn). The physiotherapists dealt with 921 children for care and aftercare, giving 6187 treatments.

E. Hearing Testing. During the session 95 schools were surveyed. 3114 children were tested and of these 2953 were found to have normal hearing. The remaining 161 were found to have defective hearing of varying degree: Grade I 92 (2.7%), Grade IIa 67 (2.2%) and Grade IIb 2 (0.06%).

Included in the above totals were 857 boys of the 1950 age group and of these 819 had normal hearing, 25 had Grade I defect and 13 Grade IIa defect. 840 girls of the 1950 age group were tested and of these 809 had normal hearing, 18 Grade I defect and 13 Grade IIa defect.

The School Medical Officers have so far examined 133 of the 161 cases. 43 of the cases were in turn referred to the family doctor (wax 25, otorrhoea 9, others 9) and 55 cases were referred to the E.N.T. Specialist. By the end of the session 50 of the 55 cases had been seen by the E.N.T. Specialist. In 16 cases removal of tonsils and/or adenoids was advised. 12 cases received treatment by politzerisation. In one case a hearing aid was provided. Treatment was given in another 13 cases and in 8 cases as treatment was ineffective, appropriate advice was given with regard to school placing.

F. Vision Testing of Entrants. During the session 320 children born in 1953 had vision tests carried out by the audiometrician using the "E" test. Any suspected of having visual defects were referred to the School Medical Officers for confirmation before referral to the Ophthalmologist.

7. DENTAL INSPECTION AND TREATMENT.

Mr. M.R. Kirkland, L.D.S., Senior Dental Officer, has prepared the following report.

There are certain encouraging features about the year under review. Although the number of Dental Officers available at the beginning of the year was four, this was increased to five in December, and as a result there has been a corresponding increase in the amount of work carried out. The proportion of conservation work in relation to extractions has continued to rise, and this is a satisfactory trend. There has also been some improvement in the operating facilities, which are dealt with later in this report.

These facts, however, should not obscure the general situation which is that there is still too long an interval between inspections and that we are still in the toils of the vicious circle of long intervals between inspections producing larger amounts of treatment required at each inspection, taking longer to carry out and therefore further increasing the interval. The major factor in this situation is undoubtedly the one that has been referred to many times in these reports over the past few years, i.e. insufficient dental officers. In this connection the Authority has shown itself ready to increase the operating staff, but unfortunately the dental manpower position is against us, and the fact remains that even with five dental officers, we have only one more than we had nine years ago, and we are still well below the establishment required to provide yearly inspection and treatment. During the year approval was granted for an additional dental officer to be employed to bring the strength to six; so far, however, it has not been possible to implement this, and it is suggested that serious consideration be given to the employment of part-time assistance, if it is possible to obtain it.

With regard to facilities, there has been some progress during the year. The main surgery at Perth clinic has been brought up to date with the provision of a modern dental unit, and X-ray equipment. The displaced equipment - old but serviceable, is being utilised as transportable equipment in some of the larger schools in the county, e.g. Blairgowrie High School where the dental room in the new school has been brought into use this year. The mobile unit was again of great value in the outlying districts. The position in regard to the use of mobile units in the area has changed during recent years, as a result of the school building programme. As far as the dental service is concerned the effect of this programme is gradually to lessen the number of schools without suitable operating accommodation, and to bring that number within the capacity of one mobile unit only. As a result of this reassessment of the situation, it was decided to abandon the previous intention to provide further mobile units.

In the last report, attention was drawn to a new development in dental technique involving the use of very high-speed apparatus. So rapid has been the spread of this technique and equipment, that it has now become established in the majority of practices, and in many local authorities' clinics. It seems clear that by the use of this equipment considerable saving of time as far as conservation work is concerned can be expected once the new technique involved has been mastered. The apparatus is now being produced in a transportable form and the time must be getting near when the acquisition of this new aid to dentistry should be seriously considered.

The Orthodontic service has again been operating under the guidance of the Regional Board's Consultant. Regular clinics have been held, though at the moment they are largely confined to children who live either in Perth or within a reasonable distance of Perth.

It would be impossible to conclude this report without referring to the sad loss of our County Medical Officer during the past session. His interest in, and understanding of our problems, and difficulties, was only equalled by his determination to help us to solve them. The readiness with which his advice and support were available was very much appreciated.

Summary/

Summary of the Work Done.

1. Inspected by the Dental Officers:

Age	(a) Systematic Examinations	(b) Special and Emergency cases	TOTAL
5	338	12	350
6	389	15	404
7	588	24	612
8	615	37	652
9	620	29	649
10	513	37	550
11	535	29	564
12	809	32	841
13	682	15	697
14	513	13	526
15	360	4	364
16	66	2	68
17	30	-	30
	<u>6058</u>	<u>249</u>	<u>6307</u>

	<u>Systematic Examinations</u>	<u>Special and Emergency Cases</u>
2. Found to require treatment	3654	249
2(a). Number of acceptances	1718	249
3. Actually treated by School Dental Officers	1978	249
4. Number of attendances made by children for treatment	9440	249
5. Fillings (a) Permanent teeth	6473	-
(b) Temporary teeth	1250	-
6. Extractions (a) Permanent teeth	524	62
(b) Temporary teeth	1442	98
7. Number of administrations of general anaesthetics for extractions	196	-
8. Other operations (a) Permanent teeth	7383	152
(b) Temporary teeth	116	12
9. Halldays devoted to inspections	158	-
9(a). Halldays devoted to treatment	2900	-
10. Number of children treated under private arrangement	-	-
Number of Partial Upper Dentures fitted	-	32
Number of orthodontic appliances fitted	-	39

Orthodontic Service.

1. No. of children given orthodontic treatment	
(a) by the School Dental Officer	34
(b) by the Regional Hospital Board Orthodontist	32
Cases treated by the School Dental Officer	
2. No. of cases continuing from previous year	20
3. No. of new cases	14
4. No. of cases completed	13
5. No. of cases continuing at the end of the year	21
6. No. of attendances for treatment	Not known
Details of treatment:	
7. No. of impressions taken	Not known
8. No. of appliances fitted	21
9. No. of extractions for orthodontic purposes	Not known
10. No. of X-rays for orthodontic purposes	Not known

8. SPECIAL SCHOOLS AND CLASSES.

(a) Physically defective children. There are no special schools or classes, but during the session 1 child was in Trefoil Residential School, 2 in Rudolph Steiner Schools, 1 in Westerlea and 1 in East Park.

(b) Blind and partially sighted children. There are no special classes. During the session there were 3 children from this area in the Royal Blind Asylum and School, Edinburgh, and 6 children at the Sight Saving School, Dundee.

(c) Deaf, partially deaf and deaf mute children. There are no special classes. 15 children were in schools outwith the area; 5 in Donaldson's School for the Deaf, Edinburgh, 7 in the Institution for the Deaf and Dumb, Dundee; 2 in St. Vincent's School for the Deaf, Glasgow and 1 in Glasgow School for the Deaf.

(d) Mentally Handicapped Children. Two Special Classes were held in Southern District School during the year, the number of pupils attending being 34, a total which is restricted by accommodation and staffing.

During the year 4 educable mentally handicapped children were accommodated outwith the County: 1 in Baldovan Institution, 1 in Waverley Park Home, Kirkin-tilloch, 1 in Fairmuir Special School and 1 in Lochgelly Special Class.

13 children attended Perth Occupation Centre daily between 10 a.m. and 3 p.m. Free milk was issued and a midday meal provided. A percussion band was formed and a display of work done by the pupils was held.

13 children were enrolled at Blairgowrie Occupation Centre during the ses-

(e) Retarded children. As far as possible, these are placed in ordinary classes suitable for their level of intelligence.

(f) Residential School for Mentally Handicapped Children. Central approval has been obtained for the proposal to build a residential school for mentally handicapped children at Scone and the detailed work of planning is now going ahead. The new school will have accommodation for 60 resident pupils with 40 places for day pupils from Perth and the adjacent area, and building is planned to commence in 1960.

(g) Child Guidance. The Educational Psychologist has submitted a detailed report on the work done during the session to the Education Committee. The service has now been functioning for three years through the main clinic in Perth and in schools throughout the landward area of the Combined County. By arrangement with the Regional Hospital Board, the services of a psychiatrist were available from 1st September, 1958 on a one day per week basis. A wide range of educational as well as emotional and behaviour problems were investigated, although, as was the case last year, regular treatment was of necessity restricted almost exclusively to cases in or near Perth City.

Sources of referral of cases investigated during the past session were as follows:

Sources of referral	Boys	Girls	Total
Head Teachers	44	33	77
Director of Education	6	5	11
School Medical Officers (incl. private doctors)	38	19	57
Other sources - Probation Department, Children's Officers, Parents, etc.	17	10	27
Totals	105	67	172

During the session 172 children were seen by the Psychologist, 90 of whom were from the City of Perth and 82 from the County area. Cases covered the whole age range from 2 to 16 years, the peak age of referral being 7.

The distribution of intelligence was as follows:/

I.Q.		-70	70-79	80-89	90-99	100-109	110-119	120-129	130+
Number of Cases	Boys	17	10	20	18	21	13	6	-
	Girls	19	16	9	12	6	-	3	2
	Total	36	26	29	30	27	13	9	2

The Psychiatrist interviewed 84 parents and 105 children at the Child Guidance Centre during the session. The Educational Psychologist interviewed 169 children in school and 420 in the Centre. 198 parents were interviewed as well as 120 visits made to homes.

Some idea of the range of problems investigated may be gathered from the following summary:

General Backwardness	31	Theft	17
Educational Retardation	29	Malicious Mischief	1
Post-Primary Subjects	4	Sexual difficulties	4
Mental Handicap	43	General Instability	13
Physical factors	21	Fears	20
Vocational Guidance	2	Enuresis and soiling	14
Aggression & Temper Tantrums	11	Psycho-somatic symptoms	16
Difficult behaviour	34	Stammering	5
Truancy and Wandering	11	General immaturity	17

There are 261 cases awaiting attention, 145 involving educational, and 116 emotional and behaviour problems.

The Child Guidance Service is increasing to such an extent that consideration will have to be given to the appointment of an additional Educational Psychologist.

(h) Speech Therapy. The detailed report on the work of the Speech Therapists during the past year has been submitted to the Education Committee. Two Speech Therapists have continued to work in the Perth Centre and in the subsidiary clinics throughout the County. A total of 225 children have received treatment, this being an increase of 49 from last year. 153 boys and 72 girls were treated, 111 of these being county cases and 114 from Perth City. Group treatments were designed to give therapy to those who, with minor defects, had been on the waiting list for some years. 341 children are on the waiting list, of whom 196 are from the County, 128 from Perth City and 17 pre-school children. This large waiting list is evidence of the need for the appointment of another Speech Therapist whose duties could largely cover the rural schools, but for this she would require transport.

9. ARRANGEMENTS FOR PHYSICAL EDUCATION AND PERSONAL HYGIENE

The Department of Health recommends that a proportion of the schools in the area should be surveyed under this heading each year. This year, Perth City Schools are due for review.

A. Accommodation for Physical Exercises. Gymnasias are provided at the following schools: Perth Academy (Higher), Perth Junior Academy, Caledonian Road, Perth High, Kinnoull, St. John's R.C. and Goodlyburn Primary and Secondary Schools. Outside halls or spare classrooms are used in other schools, and playgrounds are used for this purpose when the weather is suitable.

(a) Facilities for changing shoes and clothing. This is inadequate at all schools except Kinnoull, Perth Junior Academy, St. John's R.C., St. Ninian's and Goodlyburn Secondary School. Change of shoes is universal, but no separate accommodation or insufficient accommodation is provided at the other schools.

(b) Spray Baths. These are provided at Perth Junior and Senior Academies and at Goodlyburn Secondary School. Foot baths are provided at Perth High School. Other schools are without this amenity.

(c) Provision of Towels, Hot Water, etc. These are generally provided, but the hot water supply is reported to be inadequate at Northern District School.

(d) School Intervals. The usual interval is 10-15 minutes in forenoon and 5-10 minutes in the afternoon.

B. Swimming Baths. Children in the City Schools are fortunate in having the use of the Perth Public Swimming Baths.

C. Playing Fields. See earlier in this report.

D. School Camps. During the Summer, 1959, 246 children from schools in Perth City were accommodated for a fortnight at Belmont Camp, Meigle.

E. Practical Instruction in Personal and Communal Hygiene. In all schools some instruction in hygiene is given by the class teachers. In secondary schools this is also given by teachers of physical instruction and domestic subjects, based on the Scheme drawn up by the Scottish Council for Health Education. When time permits, brief talks are given by the Medical Officers at their visits.

F. Parent-Teacher Associations. There are now parent-teacher associations at eleven of the schools under review.

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

(a) Milk in Schools. Milk is available in 152 schools and 79% of the pupils in these schools take milk. In each case the source of the supply is approved by the Medical Officer of Health, the milk being either T.T. or pasteurised.

(b) School Meals. School meals are now served at 151 schools, leaving only 5 unprovided for. The 29 kitchens provided 1,717,795 meals during the session. A Fife Cooking Centre provided 4 schools and supplied 34,653 meals not included in the above total.

TABLE I.

Total number of children examined at:-			
(A)		Systematic Examinations	Other Systematic Examinations
Ordinary Schools	(Entrants (Second Age Group (Third Age Group (Fourth Age Group	1808 1889 1585 312	
Secondary Schools	(Age Group	-	
	TOTAL	5594	438
			<u>6,032</u>
(B) Other Examinations			
	Special cases		960
	Re-inspections by Medical Officers		<u>1,206</u>
			<u>2,186</u>
Number of individual children inspected at Systematic Examinations who were notified to parents as requiring treatment (excluding uncleanliness and dental caries)			
	Entrants		385
	Second Age Group		374
	Third Age Group		314
	Fourth Age Group		44
	Secondary Age Group		-
	Other Systematic Examinations		<u>125</u>
			<u>1,242</u>

TABLE II (CONTD).

	Entrants		Second Age Group		Third Age Group		Fourth Age Group		Other Ages		TOTAL
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
9. Ears (a) Diseases											
Otorrhoea											
Other Diseases											
(b) Defective Hearing											
Grade I	4	1	3	1	2						5
Grade IIa			1	4	3	2					8
Grade IIb			6	4	2	2					18
Grade III			1	4	2	1	1	1			9
10. Speech: Def. Articulation											
Stammering	10	9	3	2	1	4	1	1	2	1	33
11. Mental & Nervous condits.											
(a) Backward	1	1	1		1						5
(b) Dull	4	1	5	2	7	4					3
(c) Men. def. (educable)			1	4	1	1					19
(d) Men. def. (ineducable)			5	2	7	4			1		6
(e) Highly nervous or unstable			1	1	1	1			1		2
(f) Difficult in behaviour			1	1	2	2			2		10
12. Circulatory System											
(a) Organic heart disease											
(1) Congenital	4	5	1	2	3	3					7
(2) Acquired	1	3	2	3	5	4					26
(b) Functional condts.	5	3	2	3	5	4					10
13. Lungs: Chr. Bronchitis	4	1	4	1	1	1					3
Sus. Tuberculosis											
Other diseases	7	6	9	6	5	2			2	2	42
14. Deformities											
(a) Congenital	20	12	14	10	8	12			6	3	88
(b) Acq. (inf. par.)		1	1	2	4	4				1	10
(c) Acq. (pro. rickets)			1	1	1	1					1
(d) Other causes	29	20	28	14	34	19			4	12	170
15. Infectious Diseases											
Other dis. or defects	50	21	28	12	32	7			10	7	174
17. Vaccinations	832	708	793	748	697	651			191	149	5052
18. Parents present	625	543	426	449	210	219			34	40	2595
19. Diphtheria Immunisation	909	777	911	855	751	715			213	169	5603

TABLE III.

SYSTEMATIC MEDICAL EXAMINATIONS.

	Entrants		Second Age Group		Third Age Group		Fourth Age Group		Other ages		Total	
	No. of children	Percent- age of the chil- dren exmd in this group	No. of chil- dren	Percent- age of the chil- dren exmd in this group	No. of chil- dren exmd. in this group	Percent- age of the chil- dren exmd in this group	No. of chil- dren	Percent- age of the chil- dren exmd in this group	No. of chil- dren	Percent- age of the chil- dren exmd in this group	No. of chil- dren	Percent- age of the chil- dren exmd in this group
I Children free from defects	1290	71.34	1420	75.17	1216	76.72	241	77.24	310	70.78	4477	74.23
II Children (otherwise free from defects) who suffer from - (a) Def. vision not worse than 6/12 in better eye with or without glasses) (b) Conds. of mouth and teeth requiring treatment (c) Both (a) and (b)	34 59 2	1.88 3.26 0.11	124 37 1	6.56 1.96 0.05	127 26 6	8.01 1.64 0.38	30 1 -	9.62 0.32 -	31 14 -	7.08 3.19 -	346 137 9	5.74 2.27 0.15
III Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks	95	5.25	162	8.57	159	10.03	31	9.94	45	10.27	492	8.16
IV Children suffering from (or sus- pected to be suffering from) defects less remedial than def. spec. in II and III distinguish- in cases (a) where com. cure or restor- ation of function (in case of eye defs. full correction) is con- sidered possible (b) where impr. only is con- sidered possible e.g. without com. restoration of function	260	14.39	193	10.22	110	6.94	13	4.17	31	7.08	607	10.06
Total number of children examined	145	8.02	104	5.51	85	5.36	21	6.73	40	0.91	395	6.55
	18 163	1.00 9.02	10 114	0.53 6.04	15 100	0.95 6.31	6 27	1.92 8.95	12 52	0.27 1.18	61 456	1.01 7.56
	1808	100%	1899	100%	1585	100%	312	100%	438	100%	6032	100%

TABLE IV.

RETURN OF ALL EXCEPTIONAL CHILDREN OF SCHOOL AGE IN THE AREA.

	At Ord- inary Schools	At Spec. Schs. or Classes	At no Sch. or Instit- ution	TOTAL
1. Blind	-	2	2	4
2. Partially Sighted:				
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition	1	4	-	5
(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 ord. sch.	4	3	-	7
3. Deaf:				
Grade I	69	-	-	69
Grade IIa	20	-	-	20
Grade IIb	3	1	-	4
Grade III	-	10	-	10
4. Defective Speech:				
(a) Defects of articulation requiring special educational measures	25	-	-	25
(b) Stammering, requiring special educational measures	6	-	-	6
5. Mentally defective (children between 5 and 16 years)				
(a) Educable (I.Q. app. 50-70)	63	41	6	110
(b) Ineducable (I.Q. generally less than 50)	6	54	31	91
6. Epilepsy:				
(a) Mild and occasional	19	-	-	19
(b) Suitable for care in a residential school (severe)	4	-	-	4
7. Physically defective children between 5 and 16 years				
(a) non-pulmonary tuberculosis (excluding cervical glands)	8	1	-	9
(b) General orthopaedic conditions	656	9	5	670
(c) Organic heart disease	29	-	-	29
(d) Other causes	16	-	-	16
8. Multiple defects (included in above figures under main disability)	22	17	9	48

APPENDIX.

TUBERCULIN TESTING AND B.C.G. VACCINATION.

Session 1958-59.

* - Not included in totals

	% Consent	Boys		Girls		Boys and Girls		No. Vaccinated	Re-test
		No. Tested	% positive	No. Tested	% positive	No. Tested	% positive		
<u>Perth City</u>									
Perth Academy	93	87	13	81	6	168	10	148	14
Perth High	93	67	12	60	7	127	9	115	9
St. John's R.C.	91	19	11	14	29	33	18	27	2
Goodlyburn J.S.	93	31	23	50	10	81	15	69	6
Total	93	204	13	205	9	409	11	359	32
<u>Perth District</u>									
Errol	90	7	-	17	6	24	4	23	1
Invergorrie	97	19	16	10	10	29	14	25	1
Scone	92	17	35	17	18	34	27	25	2
Stanley	85	13	8	20	20	33	15	28	2
Methven	95	9	22	13	-	22	9	20	1
Dunbarney	92	13	22	16	19	34	21	27	2
Trinity College*		47	13			47	13	41	2
Kilgraston*				11	-	11	-	11	3
Strathallan*		105	14			105	14	89	6
Total	92	83	19	93	13	176	16	148	11
<u>Eastern District</u>									
Blairgowrie	84	46	24	49	16	95	20	76	6
Alyth	96	25	32	25	52	50	42	29	2
Coupar Angus	95	20	35	15	7	35	23	27	2
Total	89	91	29	89	25	180	27	132	9
<u>Highland District</u>									
Breadalbane Academy	93	16	6	22	18	38	13	33	6
Dunkeld	84	12	17	8	13	20	15	17	2
Pitlochry	83	20	30	19	53	39	41	23	2
Total	87	48	19	49	31	97	25	73	9
<u>Central District</u>									
Crieff	95	11	27	20	10	31	16	26	3
Morrison's Academy	91	52	13	48	15	100	14	86	13
Comrie	88	9	-	6	16	15	7	14	1
Auchterarder	93	17	18	19	5	36	11	32	2
Lavers Sch. Agri.*		4	50			4	50	2	1
Seymour Lodge*				11	27	11	27	8	1
Total	92	89	15	93	12	182	13	158	22
<u>Western District</u>									
Dunblane	78	11	18	13	8	24	13	21	2
McLaren High	96	37	19	36	14	73	16	61	8
Aberfoyle	86	13	15	11	27	24	21	19	1
Killin	33	1	-	-	-	1	-	1	1
Queen Victoria*		35	20			35	20	28	2
Total	89	62	18	60	15	122	16	102	12
<u>Kinross County</u>									
Kinross	94	41	7	36	6	77	6	72	5
Naemoor*		13	8	2	-	15	7	16	1
Total	94	41	7	36	6	77	6	72	5
COUNTY TOTALS	90	414	19	420	17	834	18	685	70
CITY & COUNTY TOTALS	91	618	17	625	14	1243	16	1044	102