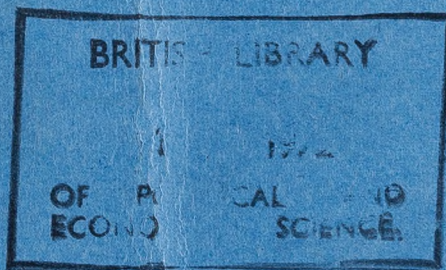


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DEPARTMENT OF EDUCATION
CAPE OF GOOD HOPE

REPORT
OF THE
DIRECTOR
OF
EDUCATION
FOR THE YEAR
1970





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CONTENTS

COVERING LETTER	Page 3
REPORT OF THE DIRECTOR OF EDUCATION	
<i>Chapter</i>	
I. Developments in the Educational Field	5
II. Primary and Secondary Education	11
III. School Hostels and Conveyance Services	19
IV. The Psychological Services	21
V. The Medical and Dental Services	24
VI. Supply, Training and Conditions of Service of Teachers	29
VII. School Buildings and Sites	36
VIII. Finance	38
IX. Administrative and Professional Staff	40
STAFF AND EDUCATION STATISTICS: APPENDICES A TO T	42

DEPARTMENT OF EDUCATION CAPE OF GOOD HOPE

REPORT OF THE DIRECTOR OF EDUCATION

For the Period
1st JANUARY, 1970 to 31st DECEMBER, 1970

Department of Education,
CAPE TOWN.

2nd January, 1971.

The Honourable the Administrator,
CAPE TOWN.

Sir,

I have the honour to submit to you the report on education in the Cape Province during the year 1970.

In Chapter I you will find a summary of and reference to the most important developments which have taken place in the field of education. In order to obviate duplication, all the changes which have taken place during the year under review have not been included in this chapter. Reference to these changes will be found in the chapters dealing with the various aspects under consideration.

In the field of teacher-training, co-ordination with the training given at universities is of special importance. This follows the appointment of Joint Advisory Co-ordinating Committees for teacher-training as determined for the different regions of the Cape Province. In the meantime the purposeful planning and extension of courses, syllabuses and facilities for the training of teachers at the seven training colleges have continued. The success that has been, and is still being achieved at these training institutions is clearly perceptible in the standard of the work being done and the attitude revealed by teachers in the schools of the Cape Province.

Improved conditions of service for teachers, particularly in respect of salaries, have been welcomed. Although I believe that these improved conditions of service and attractive bursaries for training have resulted in education's obtaining a reasonable percentage of the available manpower, the increase in the shortage of teachers has still not been halted.

It is fortunate, however, that so many married women, some of whom may now in accordance with the amended scheme be appointed for five years, are available, and are to a large extent helping to cope with the shortage. An increase of 8,81% in comparison with 1969 in the enrolment of first-year students at training colleges in the Cape Province is pleasing. In 1970 the total number of education posts rose by 250 while the shortage of teachers increased by 270.

The increase in the number of pupils in comparison with the figures for 1969 was not large, namely 218 primary school pupils and 1 392 high school pupils. What is pleasing, however, is that a much larger percentage of pupils now reach Standard X.

I wish to draw your attention to the report of the Committee of Heads of Education for 1970 in which a large number of important educational matters are dealt with.

Pre-primary education is growing and has aroused great interest. The improved subsidy for private pre-primary schools has brought welcome relief. The training of teachers for this type of education will require attention.

It is felt that the establishment of the Education Bureau has filled a long-standing need and you are referred to the report in this connection. Teachers have generally welcomed the prospect that applicants for promotion posts will be selected.

The amended syllabus for Scripture has been well received by both schools and churches. The refresher courses held during 1970 prior to the introduction of the new syllabuses in 1971, and the follow-up work done by the newly appointed Senior Adviser for Scripture, will contribute greatly to the successful teaching of this important subject.

In general this report testifies to the cordial and interested support received from you and the members of the Executive Committee. It affords me great pleasure to express, on behalf of myself, my colleagues in the Department, the teachers, parents, pupils and the public of the Cape Province, our gratitude for this support.

To Dr. the Honourable J. N. Malan, who on 31st May, 1970, terminated a successful term of office as Administrator stretching over ten years, I wish to extend a special word of thanks for his unfailingly level-headed outlook, protection and support in the development of education in the Cape Province.

You took over the reins as Administrator of the Cape Province on 1st June, 1970. It is with pleasure that I reiterate the congratulations of the Department of Education on this distinction. At the same time I wish to extend my congratulations to Mr. G. J. Lubbe who has been elected to take the place of Mr. J. C. Heunis as M.E.C. in charge of the important task bearing responsibility for education. He has quickly shown how great his interest is and with what sincerity and ease he is able to co-operate in this important matter.

Once more I wish to mention the importance of the work and dedicated service of every official in the Department of Education and of the teachers in our schools. I am greatly indebted to all of them.

I have the honour to be, Sir,

Your obedient servant,

S. THERON,

Director of Education.

CHAPTER I

DEVELOPMENTS IN THE FIELD OF EDUCATION

Developments in the educational field are mainly linked with the progress made in the determination of policy by the Minister of National Education in terms of the National Education Policy Act (Act 39, 1967), as amended by Act 73, 1969; with the co-ordination of educational services by the Committee of Educational Heads; and with the increased demands made upon education by the need to expand existing services and to create new ones.

(1) *General Policy with regard to Education in Schools and the Training of Teachers*

The following policy announcements or amendments were made in connection with the above after consultation as laid down in the Act:

- (i) The requirements with regard to compulsory school attendance and the age limit of compulsory school attendance;
- (ii) free education (including books and stationery);
- (iii) the co-ordination of syllabuses, and
- (iv) the medium of instruction.

As far as the training of teachers is concerned, it was decided by the Administrator-in-Executive Committee to divide the Cape Province into two regions: the Southern and Eastern Region, and the Western Region of the Cape Province. The decision was taken in compliance with 1B(2) of the National Education Policy Act (Act 39 of 1967), as amended by Act 73 of 1969, and for the purposes of the Joint Advisory Co-ordinating Committees for the Training of Teachers. The Minister of National Education laid down the composition of the above Committees under notice R1844 in the Government Gazette of 23rd October, 1970. The establishment and composition of these Committees will receive attention during 1971.

(2) On 17th November, 1970, the 1969 Annual Report of the Statutory Committee of Educational Heads was laid on the table during the Provincial Council session. Attention is directed to the following matters arising from this report:

- (i) As far as the composition of the Interdepartmental Advisory Committee for Educational Services is concerned, the names

of Mr. J. G. Perry, Deputy Director of Education, and Mr. W. A. J. Pretorius, Under-Secretary, were unfortunately omitted. They represented the Cape Province on this Committee.

- (ii) With the approval of the Administrator-in-Executive Committee, the improved salary scales and adjustment thereto, to which reference was made in the 1969 report, came into full operation on 1st April, 1970. This resulted in teachers receiving their salaries on a notch-per-year basis as from that date.
- (iii) A Youth Preparedness Programme for schools is receiving attention. As far as the Cape Province is concerned, the feasibility of integrating its different sections with existing syllabuses and extra-curricular activities will be investigated.
- (iv) The Foundation for Education, Science and Technology's educational publications, "Klasgids" and "Crux", for the teaching of Afrikaans and English respectively, are regarded as very useful in supplementing the background knowledge of teachers and will be ordered for schools from available funds if their subscription rates are kept within reasonable limits.

(3) *Registration and Subsidising of Pre-primary Schools*

Nursery School education, to which reference was made in the report for the year 1969, will in future be known as pre-primary education. The conditions for the registration of private pre-primary schools form a sub-section of the conditions for the registration of private schools. The requirements which private pre-primary schools must fulfil in order to be eligible for a subsidy have been revised.

Eleven private pre-primary schools were registered during 1970. This brings the total number of registered private pre-primary schools to eighty-six. Forty-four of these receive subsidies.

With a view to providing an incentive for improving the salaries of women teachers in private pre-primary schools, attention will have to be given to an improved subsidy in respect of pupils at these schools.

(4) *The Afrikaans Language Monument*

It gives me great pleasure to be able to report that schools in the Cape Province collected the substantial sum of R10 057,93 towards the Afrikaans Language Monument.

(5) *The Education Bureau*

As a result of a strongly motivated recommendation by the Department, the Executive Committee of the Cape Provincial Administration approved the establishment of an Education Bureau in the Education Department on 26th November, 1969. The following

posts were created for this purpose with effect from 1st January, 1970:

Head, assistant-head, senior assistant and clerical assistant/typist.

The Bureau came into operation on the 1st of April, 1970. Mr. R. J. C. Sahlertz, Dr. J. H. H. Visagie, Mr. H. A. Lambrechts, and Miss E. M. de Witt, respectively, were appointed to the newly created posts.

The general functions assigned to the Education Bureau may be summarised as follows:

Educational study, investigation and research at Provincial level in order to provide the Cape Province with a scientific basis for the adaptation, extension and implementation of educational policies. This embraces, *inter alia*, an investigation into and the evaluation of curricula, training and teaching methods, testing, examining and classification; educational amenities, equipment and aids; studying and taking cognizance of modern trends in education, and educational publications in this country and abroad.

The head, assistant-head and senior assistant of the Bureau visited the Transvaal Education Bureau and the Human Sciences Research Council from 18th to 22nd May, 1970. The observation and discussions held there were fruitful.

The Education Bureau undertook and completed, *inter alia*, the following research projects, investigations, drawing up of memoranda and other assignments during the period 1st April to 31st December, 1970:

A survey of the number of pupils who failed in the November/December examinations, 1969, in schools in the Cape Province. The possible establishment of a Registration Council for Teachers.

The allocation, on a differentiated basis, of bursaries to students for training as secondary teachers.

The principles underlying tests and examinations (Paper read at Inspectors' Conference).

Children from outside the Republic of South Africa attending provincial schools in South Africa: Cape Province.

A comparison between the salary scales of teachers in category C and lower and the salaries of persons in other services with comparable or lower training.

The three-term school year.

A forecast of the demand for teaching personnel in the Cape Province.

An investigation into pre-primary teaching abroad and in the Republic of South Africa.

Curriculum and syllabus planning for schools in the Cape Province.

An investigation into the abuse of drugs in schools in the Cape Province.

The shortage of teachers in the various secondary subjects (Stds 6-10) in schools in the Cape Province.

A very important project on which the Bureau is currently working is a comprehensive and thorough investigation into the inspection system in the Cape Province.

The Education Bureau is indebted to other Education Departments (and their Education Bureaux), Training Colleges, Schools, the Human Sciences Research Council, South African Embassies abroad and other bodies for information and data supplied to it for its research and investigations. The receipt of Year Books, handbooks, syllabuses and research and other publications is also acknowledged with thanks. It is the aim of the Bureau to expand the liaison that has already been established with the above-mentioned bodies.

The co-operation and assistance of the personnel of the Cape Education Library is greatly appreciated.

(6) Vocational Education

The representations referred to in the report for the year 1969 were successful, and the Minister of National Education granted permission for pupils enrolled at the following high schools to be allowed to include three commercial subjects in their Senior Secondary Course:

Calvinia, Vredenburg, Beaufort West, Aliwal North, Ugie, Mafeking, Piketberg, Kokstad (Grenswag), Kokstad, Umtata, Umtata (Transkei), Vaalharts, De Aar, Vryburg.

This concession resulted in certain amendments having to be made to the Rules for the Junior Secondary Course to enable further commercial subjects to be introduced during this school phase at certain schools.

(7) Concessions to Hostels

Further concessions involving boarding fees, the service conditions of personnel, and both the redemption of losses and the use of profits accumulated by hostels are dealt with in Chapter III of this report.

(8) Clinic for Corrective Physical Exercises

When it became apparent that the Clinic for Corrective Physical Exercises was successfully meeting a very real need, the establishment of such a clinic on a permanent basis was proceeded with. Two teachers are attached to the staff of the clinic which is accommodated in the Saffier Primary School at Tiervlei.

(9) Education Library Service

As a result of the necessary expansion of the staff of the Education Library Service, to which reference is made in Chapters II and IX of this report, it has now become possible to organise the Service effectively in three sections under one head, namely, an Information section, the Education Library section and the School Library section. The provision of library rooms at primary schools has been widely welcomed.

(10) Housecraft High Schools

The Courses offered at the three Housecraft High Schools have been revised in consultation with the principals of these schools. The amended Courses will be introduced gradually into the different Standards as from 1971.

(11) Selection of Applicants for Promotion Posts

The amendment of Section 81(6) of Ordinance 20, 1956, was an important step in connection with the nomination and appointment of teachers, as it authorized the establishment of an Advisory Committee to deal with the appointment of teachers to certain promotion posts. Through selection in a professional manner, the Committee will assist School Committees, School Boards, and Boards of Control with their nomination/recommendation of applicants for the promotion posts of principal (excluding principals of schools graded as PIV and PV), deputy-principal, and vice-principal. The system will only be implemented after consultation with the Joint Council of the Teachers' Associations and after it has been explained to Inspectors of Education, Subject Inspectors, and Principals of Schools.

(12) Speech Training

Realising the importance of speech as a vehicle of communication, the Executive Committee approved the creation, on an experimental basis, of six posts for teachers of speech training at three Afrikaans and three English medium primary schools with an enrolment of 600 or more pupils. These posts were advertised as vacant as from 1st April, 1971.

(13) Scripture

The Education Ordinance 20 of 1956, was amended by Ordinance 5 of 1970, to make provision in respect of Religious Instruction for the introduction of new syllabuses for Scripture in 1971. The section relating to instruction in the Catechism has also been omitted.

(14) The Profitable Use of School Time

Schools were given guidance in connection with the planning of their internal tests and examinations, with a view to their using effectively and profitably the time available for actual teaching in

high and primary schools. The suggestions made were implemented in consultation with Inspectors of Education and the first indications are that there has been an appreciable measure of success.

In order to enable the writing of internal examinations at schools to be postponed to as late a date as possible, schools were given permission to allow high school pupils to go on holiday as from 7th December, 1970, and primary school pupils as from 8th December, 1970. All teachers, however, were required to remain on duty until the last school day of the quarter, namely 11th December, 1970.

(15) Teacher Centre

The Executive Committee has approved in principle the establishment of a teacher centre. The purpose of such a centre is to equip teachers through refresher courses of shorter or longer duration, lectures and guidance, to carry out more efficiently the important duties entrusted to them.

CHAPTER II

PRIMARY AND SECONDARY EDUCATION

Number of Training Colleges and Schools

The following table shows the number of training colleges and schools over the past four years:

Third Quarter	1967	1968	1969	1970
Training Colleges	7	7	7	7
Vocational Schools	—	21	22	22
High Schools	220	221	220	220
Agricultural High Schools	5	5	5	5
Secondary Schools	47	46	46	45
Special Secondary Schools	7	7	7	7
Primary Schools	721	704	687	676
Church Schools	25	25	25	24
Special Schools (at Hospitals)	10	10	10	10
Farm Schools	23	22	19	14
	1 065	1 068	1 048	1 030

During the period under review the number of schools decreased by 18 as compared with the number in the preceding year.

There was an increase of one high school as a result of the establishment of the Westering English Medium High School at Port Elizabeth, while the status of one high school, the Jan Malan High School at Koringberg in the Malmesbury school district, and one secondary school, the McGregor Secondary School in the Robertson school district, was reduced to that of primary school.

Altogether 17 primary schools in the rural and urban areas were closed, while 12 primary schools were reduced in status to farm schools. Five new primary schools were established — viz. Somerset West No. 2 Primary School in the Stellenbosch school district, Cotswold No. 2 Primary School and Westering Primary School (English medium), both at Port Elizabeth, Stonehill Primary School at Tiervlei in the Parow school district, and the Madwaleni Primary School at Umtata. On the other hand one new preparatory school was established, viz. the Courtrai Preparatory School at Paarl. Two primary schools, viz. the Warrenton Primary School in the Kimberley school district and the Kimberley Boys' Primary School seceded from the High Schools. One aided church primary school at Graaff-Reinet was closed. Eight farm schools were re-classified as primary schools. In all, this led to a decrease in the number of primary schools by 11. Eight farm schools were closed while one farm school, the Warmwater Farm School in the Calitzdorp school

district, was amalgamated with Juta Primary School in the same school district. On the other hand 12 primary schools were re-classified as farm schools. The number of farm schools has accordingly decreased by five.

The overall picture of the Province shows a net decrease of 16 primary and farm schools as compared with the number for the previous year.

Enrolment

The total enrolment in all the above-mentioned institutions (training colleges and vocational schools included) was 234 443 at the end of the second term of 1970. This represents an increase of 1 907 compared with the number of pupils and student teachers enrolled in 1969.

The following table shows the enrolment and the annual increase for the years 1968 to 1970:

Year	Second Quarter	Total Enrolment	Total Increase
1968	229 509	8 841
1969	232 536	3 027
1970	234 443	1 907

The enrolment figures for 1970 include 284 Chinese pupils, 123 of whom are pupils at a high school and 161 at a primary school.

The number of primary pupils at the end of the second quarter of 1970 was 152 610. This is an increase of 218 compared with the number for 1969. In 1968 there was a decrease of 718 compared with the number for the corresponding period in 1967, while there was an increase of 904 during 1969 compared with the number for 1968.

The secondary enrolment for 1970 shows an increase of 1 392 pupils over that of the preceding year.

The following statistical table represents the figures for the period 1967 to 1970:

Year	Second Quarter	Number of Secondary Pupils	Annual Increase
1967	66 309	1 102
1968	75 950	9 641
1969	78 131	2 181
1970	79 523	1 392

The percentage distribution of pupils in Standards VI to X over the past ten years is given in the table that appears in Appendix H. This indicates that the distribution of pupils in the higher secondary

standards is reasonably constant. The following are the statistics for the years 1968 to 1970:

Year	Std. VI	Std. VII	Std. VIII	Std. IX	Std. X
1968	100	99	88	67	53
1969	100	93	88	69	54
1970	100	96	83	68	55

SYLLABUSES AND EXAMINATIONS

Revision of Syllabuses

The first Senior Certificate Examination on the new, adapted syllabuses for the Senior Secondary Course which were introduced in Standard 9 in 1969 was held at the end of 1970.

The new Physiology syllabus was introduced in Standard 9 in January, 1970. The Joint Matriculation Board will, for Matriculation Exemption purposes, recognise Physiology as being on a par with Biology, Physical Science, Physics, Chemistry and Mathematics in Group (iii). This recognition will become effective as from the Senior Certificate Examination in November/December, 1971. A pupil will not be permitted, however, to take both Physiology and Biology.

The following syllabuses were adapted to the core syllabuses and finalised during the course of the year:

Junior Secondary Course

- General Agricultural Science
- Practical Agricultural Science

Senior Secondary Course

- Animal Husbandry
- Field Husbandry
- Farm Mechanics (as sub-division of Animal Husbandry and Field Husbandry)
- Farm Mechanics (Major subject)
- Hebrew

Housecraft High Schools were transferred to the Department on 1st April, 1968. New courses have been drawn up, and in certain subjects new syllabuses also. The following new courses will be introduced in Standards 6, 7 and 9 in 1971, and in Standards 8 and 10 in 1972. (The syllabus which will be followed for each subject is indicated in brackets.):

Standard 6

- (i) An official language on the higher grade (in accordance with the Cape syllabus);

- (ii) the other official language on either the higher or the lower grade (in accordance with the Cape syllabus);
- (iii) Physiology and Hygiene (in accordance with the old syllabus of the Department of National Education which is still followed at Housecraft Schools);
- (iv) Mathematics (in accordance with the Cape syllabus);
- (v) History (in accordance with the Cape syllabus);
- (vi) Home Economics (in accordance with the Cape syllabus);
- (vii) Needlework and Dressmaking (in accordance with the Cape syllabus).

Standards 7-10

A Course

- (i) An official language on the higher grade (in accordance with the Cape syllabus);
- (ii) the other official language on either the higher or the lower grade (in accordance with the Cape syllabus);
- (iii) Physiology and Hygiene (in standards 7 and 8 in accordance with the old syllabus of the Department of National Education which is still followed at Housecraft Schools and in Standards 9 and 10 in accordance with the old Cape syllabus);
- (iv) History (in Standards 7 and 8 only, and in accordance with the Cape syllabus);
- (v) Home Economics (in accordance with the Cape syllabus);
- (vi) Needlework and Dressmaking (in accordance with the Cape syllabus);
- (vii) Typewriting (in accordance with the Cape syllabus).

B Course

- (i) An official language on the higher grade (in accordance with the Cape syllabus);
- (ii) the other official language on either the higher or the lower grade (in accordance with the Cape syllabus);
- (iii) Physiology and Hygiene (in Standards 7 and 8 in accordance with the old syllabus of the Department of National Education which is still followed at Housecraft Schools, and in Standards 9 and 10 in accordance with the old Cape syllabus);
- (iv) History (in Standards 7 and 8 only and in accordance with the Cape syllabus);

- (v) Needlework and Dressmaking (in accordance with a new syllabus which is an adaptation of the existing Cape syllabus);
- (vi) Home Economics (Cookery and Nutrition) (in accordance with a new syllabus which is an adaptation of the existing Cape syllabus);
- (vii) Home Economics (Institutional Management) (in accordance with a new syllabus which has been prepared),

OR

Home Economics (Mothercraft and Child-care) (in accordance with a new syllabus which has been prepared).

Junior Secondary Course

It was decided that the Standard 8 Examination would become wholly internal as from 1970. The last Junior Certificate Examination was accordingly conducted by the Department in 1969. Departmental question papers in the Official Languages (both higher and lower grades) were supplied in 1970, however, to certain schools on the recommendation of Inspectors of Education, after consultation with the Principals concerned. The schools themselves undertook the marking of the scripts.

Senior Secondary Course

From this year the Government Printer was no longer able to print question papers for the Department. All work connected with the printing of the question papers was accordingly undertaken by the Office.

This year for the first time an electronic computer carried out most of the administrative work connected with the Senior Certificate Examination. The arrangement proved successful and it was possible to announce the examination results in the press on the same day that they were posted to individual candidates. This was the first occasion since January, 1961 on which the results of the Senior Certificate Examination were published in the press.

The following is an analysis of the results obtained in the Senior Certificate examination over the past two years:

	1969	1970
Number of White candidates who wrote the whole examination	8 419	8 982
Number of passes in the first grade	2 142	1 826
Number of passes in the second grade	4 999	6 114
Number of failures	1 278	1 042
Number who took a course leading to Matriculation Exemption	5 522	5 681
Number who obtained Matriculation Exemption	3 691	3 913

These figures reveal that the number of candidates in 1970 was 563 more than that in the previous year. The pass lists reveal that

23 per cent passed in the first grade in 1970, while 25 per cent obtained a first grade pass in 1969. The percentages for those who passed the examination in 1970 and 1969, were 88 and 85 respectively. Of the number that entered for Matriculation Exemption, 69 per cent were successful in 1970, while 67 per cent passed in 1969. The number of candidates who obtained Matriculation Exemption in 1970 represents 43 per cent of the total number of candidates who wrote the Senior Certificate Examination.

The Administration of Coloured Affairs decided to conduct its own Senior Certificate Examination at the end of 1970. The Cape Senior Certificate Supplementary Examination in March, 1970, was accordingly the last Departmental examination to be written by Coloured candidates.

The Department conducted the first Senior Certificate (Home Economics) Examination for Housecraft High Schools in 1970. The question papers for the subjects offered by these schools were based, with the exception of the Official Languages, on the syllabuses of the Department of National Education. This will again be the case at the end of 1971.

47 candidates wrote the Senior Certificate (Home Economics) Examination in 1970.

The following is an analysis of the results:

Number of passes in the first grade	1
Number of passes in the second grade	29
Number of failures	17
Total	47

The Joint Matriculation Board does not recognise the Senior Certificate (Home Economics) for purposes of Matriculation Exemption.

EDUCATION LIBRARY SERVICE

Staff

There has been a great improvement in the staffing position in the Library Service as a result of the creation of ten additional permanent posts. This has made it possible to appoint a head, a third adviser, two section heads, two senior library officers, two library officers, and one typist-clerk. One post only remains unfilled.

School Library Section

An exhibition of non-fiction books was arranged for the National Book League in conjunction with the British Council. This exhibition, comprising approximately 2 000 titles, was open to Non-White teachers and visitors for a week and to Whites for two weeks.

A further R5 000 was spent on extending and improving the collection of books in the Model School Library. The number of visitors to this library has doubled during the course of the year.

The annual lists of approved books for Primary and High Schools comprised 2 426 titles. The private reading lists for the Junior and Senior Secondary Courses in English and Afrikaans (Lower Grade) as well as the Departmental list for Religious Instruction were included in the High School list.

Education Library Section

The increase in staff made it possible to start reorganising the entire stock during the second half of the year. The preliminary classification has almost been completed and detailed cataloguing of the old stock will begin in the near future.

As was the case in the previous year, R10 000 was allocated to the library and 4 538 titles were added to the stock.

The membership has increased by 436 and the number of books loaned rose to 11 038. The staff dealt with the following requests: 2 082 by telephone; 5 326 from members in the library itself, and 704 received through the post.

Schools

Most of the teacher librarian posts which have been approved have been filled. There has been a steady increase in the number of these posts to keep pace with the increase in the number of pupils enrolled at the larger High Schools.

Six new standard library plans have been approved. These make provision for larger libraries at all High Schools and all Primary Schools with an enrolment of 250 or more pupils.

AUDIO-VISUAL EDUCATION

The Department has continued to do all in its power to keep abreast of the latest developments in the field of audio-visual apparatus. For this purpose two representatives of the Department visited the experimental closed-circuit television studio established by the Council for Scientific and Industrial Research in Pretoria. The video tapes made on behalf of the Transvaal Education Department were seen and the equipment required for such a studio examined and discussed. As a result of this visit specifications for equipping an experimental closed-circuit television studio for making video tapes have been drawn up and tenders will be called for early in 1971.

The Executive Committee has decided that certain teaching aids are to be regarded as basic equipment and will be supplied to schools free of charge. Included in these items are the following audio-visual aids:

- Film projectors (16 mm),
- Film-strip projectors (35 mm),
- Projection screens,
- Tape recorders,
- Overhead projectors,
- Copying machines for overhead projectors, and
- Record players.

These will be supplied to schools on a quota basis drawn up by the Department of Education.

During the second and third quarters of the 1970 school year the Adviser for Audio-Visual Education conducted thirteen courses for serving teachers at various centres throughout the Cape Province. These courses were attended by 697 teachers and were designed to ensure that these teachers were aware of the latest apparatus available and how best to make use of audio-visual aids as part of their teaching technique.

The Department has continued to submit suggestions to the National Council for Audio-Visual Education with regard to films and film-strips which are needed by schools. Most of these suggestions have been accepted and the films have either been purchased or submitted to the National Film Board for production. Schools have continued to send in their requirements and certain teachers have co-operated in producing scenarios.

CHAPTER III

SCHOOL HOSTELS AND CONVEYANCE SERVICES

School Hostels

In 1970 there were 59 hostels maintained by the Department and 253 hostels aided by the Administration and conducted at the financial risk of recognised church authorities, hostel committees or private individuals.

Particulars of the accommodation available at hostels during the year 1970, the number of pupils accommodated, etc., are furnished in the following schedules:

Hostels Maintained by the Department

Hostels maintained in connection with—		Primary, Secondary and High Schools	Agricultural High Schools	Special Secondary Schools	Training Colleges
Accommodation available	Boys	1 460	852	436	513
	Girls	1 190	—	118	1 266
	TOTAL	2 650	852	554	1 779
Number accommodated	Boys	1 384	850	434	504
	Girls	1 142	—	110	1 186
	TOTAL	2 526	850	544	1 690
Vacancies	Boys	82	17	10	53
	Girls	48	—	13	82
	TOTAL	130	17	23	135
Excess number of pupils accommodated ..	Boys	6	15	8	44
	Girls	—	—	5	2
	TOTAL	6	15	13	46
Paying full fees	Boys and Girls	2 334	662	120	1 690
	Remissions	192	188	424	—
	TOTAL	2 526	850	544	1 690
Within area served by hostel	Boys and Girls	1 060	—	—	—
	Outside area served by hostel	1 466	—	—	—
	TOTAL	2 526	—	—	—

Vocational School Hostels

In 1970 there were 16 vocational schools with hostels. These hostels are conducted at the financial risk of the Administration.

Particulars of the accommodation available at hostels during the year 1970, the number of pupils accommodated, etc., are furnished in the following schedule:

	Boys	Girls	Total
Accommodation available	2 198	1 559	3 757
Number accommodated	1 986	1 505	3 491
Vacancies	223	120	343
Excess number accommodated	11	66	77
Paying full fees:			
Boys and Girls	1 401		
Remissions:			
Boys and Girls	2 090		3 491

Hostels Aided by the Administration

	Boys	Girls	Total
Accommodation available	11 453	11 354	22 807
Number accommodated	9 688	9 548	19 236
Vacancies	2 087	2 154	4 241
Excess number accommodated	297	373	670
Paying full fees:			
Boys and Girls	11 357		
Capitation grants:			
Boys and Girls	7 879		19 236
Within area served by hostel	14 294		
Outside area served by hostel	4 942		19 236

School Conveyance Services

The following are particulars of school conveyance services for the years 1969 and 1970:

	Total number of conveyance services	Total number of pupils conveyed	Total distance of routes	Total cost of conveyance services
1969	369	14 651	10 523 miles	R879 616
1970	390	16 217	11 306 miles	R956 651

CHAPTER IV

THE PSYCHOLOGICAL SERVICES

Staff

All but one of the posts in the Psychological Services had been filled by the end of the year. It was accordingly possible to carry out the programme with few interruptions.

Mr. B. Olivier was appointed to the newly created post of second Assistant-Head of the Psychological and Guidance Services.

Mr. W. J. Steenkamp, Head of the School Clinic at Bellville, resigned. Mr. J. H. Hamilton, Assistant-Head, replaced him until the end of the year, when he accepted another appointment. Mr. J. A. Malan was appointed Head of the Bellville clinic at the beginning of 1971, Mr. J. N. Smit Assistant-Head, and Miss R. H. de Villiers and Mr. A. P. Fourie clinical assistants.

Mr. C. B. Buchner and Mr. L. Steyl were appointed Assistant-Head of the School Clinics at Port Elizabeth and East London respectively.

Mr. T. J. van Vuuren, one of the members with the longest service in the Psychological Services, passed away at the end of the year. Mr. W. C. Gericke, who had been appointed relieving School Psychologist, filled the vacancy until a new appointment could be made.

Mr. P. C. Vosloo was appointed School Psychologist at East London in the place of Miss L. Putterill who retired on pension.

Mr. W. K. Meyer was appointed School Psychologist at Beaufort West in the place of Mr. F. F. le Roux who had been transferred to Port Elizabeth. Mr. W. van Greunen was appointed to the additional post of School Psychologist with headquarters in Cape Town.

The number of posts for Senior School Psychologists was increased from one to eleven. These include the post of Adviser for the teaching of speech defective and hard-of-hearing pupils.

Special Education

There are at present 7 134 pupils enrolled in 597 Special Classes at 281 schools. This represents an increase of 40 Special Classes and 396 pupils as compared with 1969.

In addition to the existing training centres at the Universities of Stellenbosch and Cape Town, provision for the training of teachers for Special Education has now also been made at the University of Port Elizabeth. The enrolment of students for this course at the three universities is encouraging and should eventually relieve the position with regard to the shortage of trained teachers.

Sixteen School Psychologists are at present in charge of Special Education in their respective circuits; 13 of them are also responsible for Guidance.

At the end of the year the enrolment at the seven Special Secondary Schools was 1 934. This represents an increase of 187 pupils over the previous year. The approved extensions to some of the existing Special Secondary Schools and the building of the recently approved school at Saldanha have not yet been completed. The shortage of accommodation at these schools still presents a serious problem.

In the past, the shortage of accommodation at primary schools and high schools with primary classes was a serious problem. It has now been virtually eliminated, however, through the policy of providing accommodation for Special Classes in the planning of new schools and extensions to existing schools.

Guidance

The psychological and guidance work done this year at schools and school clinics and in the offices of the School Psychologists has again covered a wide field in both its nature and scope. Members of the Psychological and Guidance Services carried out a comprehensive psychometrical programme in order to obtain information that could be of use as an aid in guidance work.

44 375 Group and 5 877 individual intelligence tests were applied to establish the level of intellectual functioning of pupils; 27 415 scholastic tests were applied to establish objectively the scholastic level of pupils; and a further 281 personality tests and questionnaires were used to assist pupils with personality problems. In the field of vocational guidance 557 aptitude tests were applied and 3 900 interest questionnaires completed.

As part of the abovementioned psychometric programme, 8 063 interviews were held with pupils with educational, personality and vocational problems. 5 858 interviews covering the abovementioned problems of pupils in the Department's high and primary schools were held with parents, principals, teachers and other persons concerned.

At the beginning of the school year students taking a degree course in Guidance Psychology at the University of Stellenbosch did practical work for two weeks under the guidance and supervision of School Psychologists.

With a view to the standardisation of psychometric aids, School Psychologists once again played an important part in the testing programmes of the Human Sciences Research Council.

At present there are 73 high schools with Teacher-Psychologists. There is ample evidence that they perform a valuable psychological and guidance service in the interest of pupils. It is often difficult to find suitable candidates to fill these important posts in schools.

Clinical Services

The demand for clinical, diagnostic, therapeutic and remedial

services at the existing three school clinics was again of such a nature that many cases could not be handled.

At present there are 4 clinicians and 2 remedial teachers at the School Clinic at Bellville, and 2 clinicians and 2 remedial teachers at each of the school clinics in Port Elizabeth and East London. A fourth school clinic is being built in Kimberley; a fifth has been approved and will be built in Newlands, Cape.

Work of a high standard has been done at these clinics. The work is becoming more and more team work in nature. This is as it should be, for in this way the work of the clinical, remedial, school guidance, speech therapeutic and school medical services can be integrated in an attempt to assist pupils who need help.

Education for Speech Defective and Hard of Hearing Pupils

The number of posts in this section has increased by five. 76 of the 85 established posts have been filled. All the posts in the bigger centres were filled, but it is difficult to fill those in rural areas.

30 000 pupils were tested to determine the existence of hearing and speech defects in pupils.

Of the 7 622 pupils who were treated, 1 216 received treatment for hearing defects, 1 127 for stuttering and 5 279 for other speech defects.

Of the pupils who received treatment, 315 with hearing loss, 184 stutterers and 1 483 with other speech defects had improved to such an extent that they could be discharged.

The treatment of 2 737 pupils with one or other hearing or speech defect is being continued, while an estimated 3 187 pupils are awaiting treatment.

130 pupils are enrolled in the Mary Kihn School, the four full-time classes at the North End Grey Primary School in Port Elizabeth, the three full-time classes in the College Street Primary School in East London, and the full-time class at the Worcester North Primary School. During the course of the year, 29 of these pupils returned to ordinary classes.

The Senior Adviser for Hard of Hearing and Speech Defective Classes once again gave a series of lectures at the Training Colleges in connection with the detection and treatment of speech and hearing disabilities in pupils.

General

An important research project to determine the incidence of reading disabilities among pupils was completed during the year. As a result of what was revealed by this research project, it was decided to increase both the number of school clinics and their personnel. This will enable remedial work to be undertaken at the clinics and also, as circumstances allow, at schools within their reach.

The University of Stellenbosch will offer a course in remedial teaching to train teachers for this work.

CHAPTER V

THE MEDICAL AND DENTAL SERVICES

Staff

Dr. P. Glatt of Port Elizabeth retired at the end of the first term after 18 years of dedicated and excellent service.

At the end of the year the establishment of medical and dental inspectors consisted of twelve medical inspectors of schools and four dental inspectors of schools. Five of the medical inspectors of schools were appointed temporarily. There was one vacancy for a medical inspector of schools in Port Elizabeth and one vacancy for a dental inspector of schools in Kimberley.

Dr. W. Heunis of George who held a temporary post after retirement retired finally at the end of the fourth term.

Work Done by Medical Inspectors

Number of schools visited	450
Number of pupils examined	54 592
Number of pupils re-examined	9 763
Number of follow-up examinations	3 120
Number of pupils recommended for treatment ..	16 581
Number of pupils with one or more defects ..	16 296
Number of directions to teachers	13 672
Number of pupils whose parents or guardians were present at medical inspections	17 291

Analysis of Defects Found among Pupils Examined

Defect	Number of Pupils
Malnutrition	316
Teeth	6 901
Nose and throat	1 950
Speech	281
Glandular System:	
Lymphatic	30
Endocrine	23
Eyes:	
Vision	3 616
Other	530
Ears	1 717
Hearing	415
Skin Diseases	989

Heart and circulation	277
Anaemia	100
Lungs	577
Nervous system	168
Genito-urinary system	749
Abdomen	347
Deformities	691
Infectious Diseases	12
Nits and Vermin	54
Other Diseases and Defects	531

Treatment

Number of pupils recommended for treatment at previous inspections	16 732
Number treated since	11 354
Percentage of treatment	67,8
Percentage of pupils examined showing evidence of successful vaccination against smallpox ..	99,2

Bellville School Clinic

Number of visits by Medical Inspectors	28
Number of pupils examined	43
Number of parents present	51

General Remarks on Aspects of Medical Inspection

The arrangements made for medical inspections at schools by the responsible teachers are on the whole excellent, and there is healthy and close co-operation between school principals and the medical inspectors of schools.

Some schools have already been provided with appropriate inspection quarters. This is a great improvement.

The excellent work done by the speech therapists is again emphasised and the hearty co-operation with them and the school psychologists is of great value to the medical inspectors of schools.

The pupils selected for medical inspection are the six year, eleven year and fifteen year old groups, and special cases recommended for examination by teachers or parents. All pupils recommended for treatment at a previous medical inspection are re-examined.

Every school child is therefore examined clinically on at least three occasions during his school career from Substandard A to Standard 10.

The medical inspectors of schools again reported that under-nourishment was rare but that malnutrition was common.

The dental and medical inspectors of schools still very strongly condemn the selling of sweets and cool drinks at school tuck shops.

It is encouraging to be able to report that such a high percentage of pupils recommended for treatment at previous inspections have in fact received treatment.

Several medical inspectors of schools again referred in their reports to air pollution (smog) and noise at and near schools in the cities and in some of the larger towns.

It appears as if very little can be done about these matters.

Pupils in the Bellville area with poor posture and foot defects are referred to the Clinic for corrective exercises at the Saffier Primary School. During 1970 an average of 128 pupils were treated weekly at the Clinic. The good results obtained are proof of the excellent work done at the clinic.

The clinic was also visited by a medical inspector of schools on two occasions during the course of the year.

The possibility of acquiring permanent accommodation for the clinic is now receiving attention.

Infectious Diseases

The Northern Cape Agricultural High School had to be closed for the last week of the first term on account of a severe epidemic of enteritis.

The incidence of influenza with or without complications was exceptionally high among pupils and teachers during the second and third terms.

Otherwise no serious outbreak of infectious diseases occurred during the year.

Of the pupils examined 99,2% showed signs of successful vaccination against smallpox.

The position with regard to immunisation against poliomyelitis is still difficult to assess, because the pupils themselves, and sometimes even the parents, are unable to supply the necessary information.

School Dental Services

Work Done by Dental Inspectors

	Cape Town	Port Elizabeth	Total
Number of pupils examined	10 821	2 486	13 307
Number of pupils treated	2 814	2 524	5 338
Number of prophylactic treatments ..	496	475	971
Number of teeth filled	3 789	1 825	5 614
Number of teeth extracted	2 131	3 310	5 441

In addition to the above, a great deal of work is done by the Cape Town Municipal Dental Clinic, the East London Dental Clinic, and private dentists. Without the excellent service rendered to necessitous pupils by these bodies, the incidence of dental defects would be far higher than it is now.

The work of the dental inspectors comprises the dental inspection of all school children, the treatment of necessitous children, and dental health education which is of the utmost importance.

The dental health of thousands of school children remains disappointing.

There is an acute shortage of dentists. The four school dental inspectors render a great service, but unfortunately only a limited number of pupils can be treated.

Orthodontic treatment cannot be undertaken by the school dental inspectors. There are no facilities for necessitous pupils to receive such treatment.

Ophthalmic Services

Ophthalmic Work Done

The Departmental Clinic at Vasco

Number of first attendances	158
Total number of consultations (including first attendances and re-tests)	424
Pairs of spectacles supplied	293

Municipal Ophthalmic Clinics

New cases	155
Total number of visits	750
Pairs of spectacles supplied	216

Cases referred to Eye Clinics at Provincial Hospitals

Examinations	244
Pairs of spectacles supplied	242

Total number of spectacles supplied 751

Excellent ophthalmic services are rendered.

The school nursing sisters carry out visual acuity tests in respect of all new school entrants and all pupils complaining of defective vision.

Defective cases are referred to the medical inspector of schools, or to the family doctor or directly to an eye clinic.

Very generous assistance is rendered to necessitous pupils who need treatment, even with regard to transport, including transport for escorts to a clinic. Pupils who do not make satisfactory progress in an ordinary school as a result of poor eyesight are referred to the Worcester School for the Blind or to the Prinshof School for the Blind in Pretoria if more favourably situated.

Nursing Services

Work Done by School Nursing Sisters

Number of schools visited for medical inspections	479
Number of school visits for medical inspection ..	2 127
Number of schools visited apart from medical inspection	913
Number of school visits apart from medical inspection	3 046
Number of pupils prepared for medical inspection	68 789
Number of pupils examined at routine inspection	83 910
Number of pupils examined apart from routine inspection	16 534
Number of pupils with nits in their hair ..	280
Number of pupils with vermin in their hair ..	31
Number of homes visited	1 544
Number of hostels and other institutions visited ..	132
Number of eye clinic sessions at which assisted ..	39
Number of lectures given	2 123

At the end of 1970 there were five vacant posts for school nursing sisters.

There are unfortunately still many schools without suitable accommodation for medical and routine inspections to be carried out under satisfactory circumstances.

The cordial co-operation and assistance rendered to the school nursing sisters by school principals and members of their staffs are highly appreciated.

School Hostels

From the beginning of April, 1970, the school hostels have been receiving substantial financial aid from the Department of Education.

The maximum boarding fee has been laid down at R35 per pupil per term for pupils residing in the area served by the hostel. The Department pays the difference should the boarding fee be higher.

Food

The hostel matrons have always tried to feed the boarders as well as possible but have found it difficult with the limited financial aid.

As a result of the abovementioned allowance by the Department, all hostels are now in a position to comply with the demands laid down by the Department.

Staff

The new salary scales made it possible to appoint suitable assistant matrons.

Equipment

The hostels now have well equipped kitchens and attempts are constantly made to improve working facilities to save labour.

CHAPTER VI

SUPPLY, TRAINING AND CONDITIONS OF SERVICE OF TEACHERS

Supply of Teachers

The increase in the number of teachers in the various groups of schools, and the percentage shortage of teachers in these groups for the period 1966 to 1970, are indicated in the following tables:

	Increase in Number of Teachers				
	1966	1967	1968	1969	1970
Primary Schools	169	—1	105	110	18
Special classes and Special Secondary Schools	18	32	40	38	48
Secondary, High and Vocational Schools	110	182	532*	66	138
Training Colleges	—3	6	6	11	21
Music Posts	12	26	30	25	25
TOTAL	306	245	713	250	250
PERCENTAGE INCREASE	3,11	2,42	6,88	2,25	2,20

*Vocational schools of the Department of Higher Education were transferred to the Cape Education Department in 1968. This accounts for the increase in 1968.

	Percentage Shortage of Teachers				
	1966	1967	1968	1969	1970
Primary Schools	23,61	23,98	26,21	27,40	29,72
Special classes and Special Secondary Schools	33,10	31,18	32,35	36,55	39,21
Secondary, High and Vocational Schools	12,48	12,17	13,82	15,48	16,47
Training Colleges	7,57	10,14	12,50	16,77	19,32
Music Posts	43,79	43,79	44,61	49,06	50,70
TOTAL	21,52	21,98	23,22	24,84	26,63

During the past 5 years 1 764 additional teaching posts have been created and the teacher shortage has increased by 905; that is, the number of teaching posts has increased by 17,98% and the teacher shortage by 5,11%.

During the same period the shortage of primary teachers increased by 405, bringing the total present shortage to 1 702 or

29,72%. The shortage of secondary teachers has increased by 283 and the total shortage now stands at 695 or 16,47%.

From a statistical point of view the shortage of secondary teachers compares favourably with the shortage of primary teachers. It is, however, the shortage of secondary teachers that presents the greatest problem. In primary schools the majority of vacancies are filled by adequately qualified married women, whereas an appreciable percentage of secondary teaching posts are filled by teachers with an inadequate grounding in the subjects they are required to teach. The subjects especially affected are English, Afrikaans, Mathematics, Physical Science and Biology.

A table reflecting the staff position in schools and training colleges during the past 3 years is given on the next page. The table reveals a total shortage of 3 082 (26,63%) in 1970, as against 2 812 (24,84%) in 1969. These figures do not include teachers holding permanent appointments who are inadequately qualified for the subjects they are required to teach.

Granting of Bursaries and Loans

(i) Secondary Teachers

An amount of R945 730 in the form of bursaries and R3 440 in loans, i.e. a total amount of R949 170, was made available to students taking approved courses at universities and technical colleges during 1970. 1 960 students at universities and technical colleges received assistance in 1970, as against 1 825 in 1969. Of these, 138 studied at technical colleges. The number of new students who received assistance in 1970 was 951, a decrease of 54 compared with the number of new students in 1969. In the previous year there was an increase of 414.

(ii) Primary Teachers

1 996 students at training colleges received bursaries only or bursaries and loans during 1970, 229 more than in 1969. The sum of R596 505 was made available for this purpose: R595 665 in the form of bursaries and R840 in loans.

Training of Primary Teachers

The first group of students who enrolled for the Primary Teachers' Diploma Course in 1968 completed this three-year course in 1970. In order to give serving teachers with only two years' training the opportunity to improve their qualifications, the one-year Higher Primary Courses, which follow on the Primary Teachers' Certificate Course, were offered for the last time in 1970. An appreciable number of teachers made use of this opportunity to take the course.

The policy of providing adequate and modern training and boarding facilities at training colleges was continued. The capital

SECOND QUARTER, 1970.

			(a) Married Women	(b) Pensioners	(c) Uncertificated Teachers	Total number of temporary appointments (a)+(b)+(c)	(d) Certificated temporary appointments	(e) Probationary and permanent appointments	Total number of appointments (d)+(e)	Total number of teachers
Primary Teachers	Men		—	44	2	46	60	1 535	1 595	1 641
	Women		1 551	89	16	1 656	114	2 315	2 429	4 085
	Total	1970	1 551	133	18	1 702	174	3 850	4 024	5 726
	Total	1969	1 419	112	33	1 564	149	3 995	4 144	5 708
	Total	1968	1 325	102	40	1 467	168	3 963	4 131	5 598
Teachers in special classes and special secondary schools	Men		—	16	2	18	6	266	272	290
	Women		246	20	3	269	18	155	173	442
	Total	1970	246	36	5	287	24	421	445	732
	Total	1969	211	29	10	250	41	393	434	684
	Total	1968	182	24	3	209	43	394	437	646
Secondary Teachers	Men		—	76	52	128	79	2 431	2 510	2 638
	Women		494	20	53	567	62	953	1 015	1 582
	Total	1970	494	96	105	695	141	3 384	3 525	4 220
	Total	1969	445	87	100	632	123	3 327	3 450	4 082
	Total	1968	377	96	106	579	128	3 309	3 437	4 016
Lecturers at Training Colleges	Men		—	6	—	6	2	82	84	90
	Women		26	1	1	28	2	56	58	86
	Total	1970	26	7	1	34	4	138	142	176
	Total	1969	22	4	—	26	3	126	129	155
	Total	1968	15	2	1	18	4	122	126	144
Music Teachers	Men		—	3	6	9	12	41	53	62
	Women		270	21	64	355	20	281	301	656
	Total	1970	270	24	70	364	32	322	354	718
	Total	1969	259	28	53	340	13	340	353	693
	Total	1968	210	25	63	298	21	349	370	668
Summary of all Groups	Men		—	145	62	207	159	4 355	4 524	4 721
	Women		2 587	151	137	2 875	216	3 760	3 976	6 851
	Total	1970	2 587	296	199	3 082	375	8 115	8 500	11 572
	Total	1969	2 356	260	196	2 812	329	8 181	8 510	11 322
	Total	1968	2 109	249	213	2 571	364	8 137	8 501	11 072

expenditure for the financial year ending March, 1970, was as follows:

	Colleges	Hostels	Total
	R	R	R
Denneoord (Stellenbosch) ..	—	59,45	59,45
Graaff-Reinet	96 409,67	132 076,91	228 486,58
Oudtshoorn	—	24 676,12	24 676,12
Paarl	26 813,65	117,44	26 931,09
Wellington	307 075,96	—	307 075,96
Cape Town	264 316,82	—	264 316,82
TOTAL	694 616,10	156 929,92	851 546,02

Enrolment at Training Colleges

The following table shows the supply of student-teachers over the past 5 years (statistics for first term):

Year	Primary Teachers' Course					Higher Primary Courses	Diploma Course	Total
	First Year Men	First Year Women	First Year Total	Second Year	Third Year	Third Year	Fourth Year	
1966	176	686	862	781	—	475	11	2 129
1967	174	658	832	781	—	527	23	2 163
1968	130	559	689	769	—	586	24	2 068
1969	161	610	771	606	—	638	21	2 036
1970	208	631	839	663	568	242	26	2 338

The enrolment of first-year students increased by 8,81% in 1970: 29,19% in the number of men and 3,44% in the number of women students. During the five years from 1966 to 1970, there has, however, been a decline of 2,66% in the enrolment of first-year students at training colleges.

Teachers' Examinations

In 1970, 510 candidates gained the new three-year Primary Teachers' Diploma.

The results in this examination were as follows:

Year	Junior Standards		Senior Standards		Total	
	First Grade	Second Grade	First Grade	Second Grade	First Grade	Second Grade
1970	23	195	34	258	57	453

In the same year 19 candidates gained the old two-year Primary Teachers' Certificate. Since the Primary Teachers' Certificate Course at training colleges ended in 1968, these candidates passed the examination as private candidates.

The results of the Primary Teachers' Certificate examination in 1969 and 1970 were as follows:

Year	Private Candidates		Total
	First Grade	Second Grade	
1969	—	81	81
1970	—	19	19

The following table shows the figures in respect of the number of candidates who passed the various Higher Primary Courses in 1969 and 1970:

	1969	1970
Academic	106	28
Agricultural Science	49	19
Art	18	10
Handwork	36	26
Music	13	6
Needlework	45	13
Physical Education	44	17
Infant School Method	294	118
TOTAL	605	237

Twenty-two candidates passed the examination for the Teachers' Diploma in Agricultural Science in 1970.

Bilingual Certificate

The number of candidates who gained a Bilingual Certificate in 1970 was as follows:

Student Teachers			Private Candidates			Grand Total
Higher Grade	Lower Grade	Total	Higher Grade	Lower Grade	Total	
116	406	522	86	36	122	644

Refresher Courses

Teachers have had the opportunity of attending the following refresher courses (the number of teachers who attended these courses is indicated in brackets):

Scripture: Organised for teachers at primary, secondary and high schools: 9th April to 25th September at 37 centres (9 000).

Audio-visual Education: Organised for teachers at primary, secondary and high schools: 4th May to 11th September at 13 centres (700).

English (Higher Grade): The Junior and Senior Secondary Courses: Given by Rhodes University, Grahamstown: 21st to 25th September (100).

Science: Organised for lecturers at Training Colleges: Stellenbosch: 19th to 23rd January (16).

French: The Junior and Senior Secondary Courses: Given by the University of Port Elizabeth: 22nd June to 17th July (3).

Oral Communications: Organised for teachers at primary, secondary and high schools at 11 centres (500).

Metalwork: Organised for teachers at secondary and high schools: Worcester: 8th to 19th June (24).

Motor Mechanics: Given by Ford Motor Company: Port Elizabeth: 15th to 19th June (20).

Electronics: Given by Philips (S.A.) Ltd.: Cape Town: 28th September to 2nd October (22).

First Aid: Home Economics for the Senior Secondary Course: Given by the S.A. Red Cross Society: Cape Town: 10th to 21st August (25).

In addition, representatives of the Department attended the following courses held in other provinces:

Physical Science (Chemistry section): Pretoria

Art for the High School: Pretoria

Farm Mechanics: Morgenzon

Welding and Sheetmetalwork: Germiston

Afrikaans (Lower Grade) for the High School: Johannesburg

Approximately R31 500 was spent on the in-service training of teachers and inspectors of education.

Conditions of Service of Teachers

Under regulations which came into operation on 1st January, 1970, a woman teacher who is employed on a permanent basis and who marries before the expiry of a period of five years from the date of her first appointment after having qualified as a certificated teacher may, with the permission of the Department, stay on as a teacher at the school where she is employed at the time of her marriage until a period of five years from the aforesaid date has elapsed.

In terms of legislation passed in the course of the year the compulsory retiring age for women has been raised to 65 years, which is the same as that for men.

In order to bring relief in the primary standards, especially in kindergarten areas, it has been decided that every five pupils in substandards A and B should for staffing purposes be counted as six. Full particulars in this connection were published in the Education Gazette of 26th November, 1970.

On the recommendation of the Committee of Educational Heads the Executive Committee on 15th July, 1970, approved the introduction of a scheme for the interchange of teachers between Rhodesia and the Cape Province. Full particulars in regard hereto were also furnished in the Education Gazette of 26th November, 1970.

Staffing on more generous and efficient basis in respect of cleaning services at schools and training colleges came into operation on 1st October, 1970. In accordance with this basis primary schools with 250 pupils and all high, agricultural, secondary and special secondary schools qualify for a post of caretaker. A more generous allocation of posts of cleaner has also been made. The new arrangement has the effect, *inter alia*, of relieving the teaching staff to a great extent of the burden of supervising the cleaning of the institutions mentioned, as also the maintenance of grounds and sportsfields, thereby affording them the opportunity of devoting more attention to educational tasks.

CHAPTER VII

SCHOOL BUILDINGS AND SITES

The rate at which new schools and extensions at existing schools must be provided has not decreased over the past year and it remains a problem to provide all requirements in time.

Everything possible is being done to ensure that the most modern facilities are provided at school buildings. This is of course possible in the case of new buildings. The massive building programme which has to be coped with annually, however, prevents special and exceptional attention from being given to the modernisation of facilities at existing schools. Such modernisation must, therefore, of necessity be held in abeyance until such time as it can be carried out at the same time as other necessary extensions.

During the past year additional and improved facilities such as libraries and science rooms for primary schools and improved library facilities for high schools have been approved.

Generous concessions have also been made to schools in respect of the provision of sports facilities, in that the Administration now provides certain approved sports facilities for schools at its own cost and makes ample provision for the maintenance of such facilities. The Administration's financial contribution towards the provision of swimming-baths has also been considerably increased.

The total capital expenditure in respect of school buildings and hostels for the year ended 31st March, 1970, was R15 836 250 as compared with R11 681 262 for the year ended 31st March, 1969.

Schedule B gives details of new buildings and extensions to existing buildings completed during the year 1970.

A list of properties acquired, reserved, donated and exchanged during 1970 appears in schedules C and D.

Particulars of the capital expenditure on school buildings since 1960/61 and the interest and redemption charges during the past 10 years are furnished below:

TABLE I

Capital expenditure on school buildings (excluding hostels).

					R
1960-61	..	..	..	..	6 024 413
1961-62	..	..	..	..	6 561 154
1962-63	..	..	..	..	5 627 117
1963-64	..	..	..	..	7 09 9046

1964-65	..	..	..	..	6 609 990
1965-66	..	..	..	..	8 326 004
1966-67	..	..	..	..	8 588 573
1967-68	..	..	..	..	10 479 216
1968-69	..	..	..	..	11 681 262*
1969-70	..	..	..	..	15 836 250*

*This figure includes hostels.

TABLE II

Interest and redemption charges on government loans for school buildings (including hostels).

					R
1960-61	..	..	..	..	2 734 683
1961-62	..	..	..	..	3 085 564
1962-63	..	..	..	..	3 578 258
1963-64	..	..	..	..	4 114 601
1964-65	..	..	..	..	3 968 481
1965-66	..	..	..	..	4 148 557
1966-67	..	..	..	..	4 644 284
1967-68	..	..	..	..	5 209 863
1968-69	..	..	..	..	5 987 365
1969-70	..	..	..	..	6 923 809

Attendance	Enrolment				
R	R				
179.43	170.70				1967/68
192.76	184.34				1968/69
203.31	194.74				1969/70
223.28	212.70				1970/71
228.26	218.39				1971/72
252.22	270.70				1972/73
329.16	316.03				1973/74

CHAPTER VIII

FINANCE

During the financial year ended 31st March, 1970, expenditure on educational services, exclusive of interest and redemption charges, amounted to R61 677 904. Details of expenditure under the main heads, together with the expenditure in 1968/69, are given hereunder:

	1969/70	1968/69
	R	R
White Education:		
Administration	456 513	368 499
School Boards and School Committees ..	585 001	525 160
School Inspection	349 661	303 800
Medical Inspection	315 884	240 213
Training of Teachers	2 023 496	1 621 762
Secondary Education	12 600 683	10 316 894
Primary Education	18 480 024	15 452 364
Combined Primary and Secondary Education ..	9 165 235	7 852 468
Agricultural Education	691 552	580 035
Vocational Schools	4 060 352	3 301 585
Vacation Savings Bonus	2 112 496	1 917 195
General	10 790 077	10 109 202
White Education	R61 630 974	R52 589 177
Non-White Education (Chinese)	46 930	38 185
TOTAL	R61 677 904	R52 627 362

Additional expenditure amounting to R9 041 797 was incurred in respect of education for Whites. The increase was due chiefly to the substantial increases in salaries of teachers and administrative officials, the provision of free books, and increases in post office services.

GROSS COST PER PUPIL

	Enrolment	Attendance
	R	R
1963/64	170,70	179,43
1964/65	184,34	192,76
1965/66	194,74	203,31
1966/67	212,70	223,58
1967/68	218,39	228,26
1968/69	270,70	282,25
1969/70	316,03	329,16

NET COST PER PUPIL

	Enrolment	Attendance
	R	R
1963/64	163,10	171,44
1964/65	177,92	186,01
1965/66	188,41	196,70
1966/67	206,70	217,28
1967/68	212,41	222,02
1968/69	255,47	266,38
1969/70	305,99	318,69

Revenue

Revenue collected from education sources was as follows:

	1969/70	1968/69
	R	R
School fees (including music and training) ..	363 575	385 250
Boarding fees (including training)	1 116 549	1 045 900
Examination fees	104,475	99 037
Agricultural schools	144 111	130 865
Vocational schools	291 669	329 614
Interest and redemption receipts	227 892	—
Other education receipts	89 948	1 530 015
TOTAL	R2 338 219	R3 520 681

The increase in the revenue from boarding fees is due to the increase in the number of boarders as well as increases in boarding fees. There were more examination candidates, resulting in an increase in revenue from examination fees. The sources of revenue in respect of other education receipts fluctuate from year to year but the large difference this year is as a result of the conversion of Student Teachers' Loans to bursaries during the 1968/69 financial year.

Interest and Redemption

Interest and redemption charges on loans raised for the erection of school and hostel buildings amounted to R6 923 809 compared with R5 987 366 during 1968/69.

NET COST PER PUPIL

CHAPTER IX

ADMINISTRATIVE AND PROFESSIONAL STAFF

During the year under review an Advisory Committee was established in the Department with a view to the selection of teachers for appointment to certain promotion posts. The Advisory Committee consists of a chairman and two members. The establishment of the Education Library Service was also considerably expanded, *inter alia*, by the creation of a post of Head of the service, a post of Principal School Library Officer, a post of Principal Education Library Officer, a post of Senior School Library Officer, and two posts of Senior Education Library Officer, as well as a post of Adviser (School Libraries). Additional posts of Subject Inspector (Physical Education) and Subject Inspectress (Physical Education) were also established. A post of Senior Adviser and a post of Adviser (Scripture) were established.

A number of changes in the administrative and professional staff attached to head office took place during the year under review. Mr. J. C. van der Westhuizen, Chief Inspector of Education, retired on superannuation and was succeeded by Mr. D. M. du Preez, formerly an Education Planner. Mr. F. S. Robertson, Inspector of Education, was appointed as Education Planner. Mr. G. de Villiers was appointed as Education Planner in the place of Mr. J. C. Roelofse who returned to the inspectorate. Mr. R. J. C. Sahlertz, Inspector of Education, was promoted to Head of the Education Bureau while Dr. J. H. H. Visagie, Inspector of Education in the service of the Department of Coloured Relations and Rehoboth Affairs and Mr. H. A. Lambrechts, Rector of the Graaff-Reinet Training College were appointed Assistant-Head and Senior Assistant to the Education Bureau, respectively. Mr. A. J. Keulder, Inspector of Education, was promoted to Chairman of the Advisory Committee while Messrs. A. F. Moore, Principal of the Stutterheim High School and J. B. Pauw, Principal of the Point High School, Mossel Bay, were appointed Members of the Advisory Committee.

Mr. J. de Villiers, Administrative Control Officer, retired on superannuation and was succeeded by Mr. L. Alger, formerly from the O. & W. Section of the Administration. Mr. P. J. le Grange, Administrative Officer, retired on superannuation and Mr. E. T. le Roux was promoted in this vacancy. Messrs. J. F. Cilliers and I. du Preez were promoted to posts of Administrative Officer in the Local Government Section and the Provincial Library Service, respectively.

Miss P. B. Ehlers, Adviser (School Libraries) was promoted to the post of Head of the Education Library Service. Mrs. W. A. Ferguson was appointed Principal School Library Officer while Miss E. M. Malan was appointed Principal Education Library Officer.

Mrs. A. M. Moller and Mr. R. G. Webb were appointed Senior Education Library Officers. As a result of classification of one post of Selector as Senior Selector, Miss T. G. Theron was promoted to the post.

This year the Department has to record the death of Messrs. J. de la Rey Ferreira, Secretary of the School Board of Port Elizabeth, T. A. J. van Vuuren, School Psychologist, and G. J. G. Gelderblom, Subject Inspector (Art).

Several changes took place in the Inspectorate. Mr. P. W. de Bruin, Inspector of Education, retired on superannuation while Messrs. P. J. du Plessis, H. L. F. Koch and W. A. van der Merwe were appointed Inspectors of Education. Mr. D. J. Swanepoel was appointed Inspector of Education (Commercial Subjects) while Mr. H. E. Fox was appointed Inspector of Education (Sciences). Mr. D. M. Broekmann was appointed Senior Adviser (Scripture). Mr. J. A. P. Nel was appointed Subject Inspector (Physical Education) while Miss A. M. Marais was appointed Subject Inspectress (Physical Education). Miss E. M. de Jongh and Mr. M. G. Haw were appointed Advisers (School Libraries). Mr. L. B. J. van Rensburg, Senior Subject Inspector (Art), resigned and was succeeded by Mr. J. H. Mayer, Subject Inspector (Art). Miss W. J. Retief, Selector of School Library Books, resigned from the service.

Messrs. W. van Greunen and W. K. Meyer were appointed School Psychologists.

Dr. P. Glatt, Medical Inspector of Schools, retired on superannuation. Drs. F. H. Badenhorst, A. W. Littlewood and C. van D. Lötter were appointed Medical Inspectors of Schools.

A few changes also took place in the School Board Service. Mr. S. F. D. Grobbelaar, Secretary of the School Board of Stellenbosch, was promoted to the post of Secretary of the School Board of Port Elizabeth while Mr. J. D. J. Roux, Administrative Officer (Relieving Staff) was appointed Secretary of the School Board of Stellenbosch.

To all those who have left the service of the Department, I wish to express my sincere appreciation of the valuable services rendered by them. I also take this opportunity of thanking all staff in the Service for their zeal and diligence in serving the cause of education during the year under review.

Full particulars concerning staff, both administrative and professional, as at 1st January, 1970, are given in Appendix A.

STAFF (1st JANUARY, 1971)

DIRECTOR OF EDUCATION	.. ..	S. Theron, B.Sc.
Deputy Director of Education (Advice)	.. ..	D. J. du Plessis, B.A., M.Ed.
Deputy Director of Education (Services)	.. ..	J. G. Perry, M.A.
Deputy Director of Education (Administrative)	.. ..	M. L. C. Bester, M.A.
Under-Secretary	.. ..	W. A. J. Pretorius, B.Econ.
Administrative Control Officers	L. D. Alger E. N. Volstedt, M.A. J. Crous J. J. H. Blomerus

SECTIONS*Accommodation:*

Administrative Officer	A. M. Hanekom
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Appointments:

Administrative Officer	Miss D. E. Hockly
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Conditions of Service (Financial)

Administrative Officer	E. T. le Roux
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Conditions of Service (General)

Administrative Officer	J. H. A. Steenkamp
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Domestic Services:

Administrative Officer	I. N. Savage
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Examinations:

Administrative Officer	A. M. Visser
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Grants:

Administrative Officer	H. R. Mouton
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Hostels and Transport:

Administrative Officer	P. J. le Roux
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Non-Teaching Staff:

Administrative Officer	S. du Bruyn
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Requisites:

Administrative Officer	W. Vosloo
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School Organisation:

Administrative Officer	B. S. D. T. Tyrrell-Glynn
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Teachers:

Administrative Officer	A. P. Venter
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Administrative Inspectorate:

Administrative Officers	H. P. H. Venter J. G. C. Erwee C. J. A. Prins
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Chief Education Planners:

A. D. Lückhoff, M.Sc. P. S. Meyer, B.A., M.Ed.

Chief Inspectors of Education:

M. M. Wiggett, B.Sc. D. M. du Preez, B.A., M.Ed.

Education Planners:

G. de Villiers, B.Sc. F. S. Robertson, B.A.
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Education Bureau:

Head	R. J. C. Sahlertz, M.A., B.Ed.
Assistant Head	J. H. H. Visagie, B.Sc., D.Ed.
Senior Assistant	.. ..	H. A. Lambrechts, M.A.

Advisory Committee:

Chairman	.. ..	A. J. Keulder, B.A., B.Ed.
Members	A. F. Moore, B.A. J. B. Pauw, B.A., B.Ed.

Education Library Service:

Head	Miss P. B. Ehlers, B.A.
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Education Library:

Principal Education Library Officer	Miss E. M. Malan, B.A.
Senior Education Library Officers	.. ..	Mrs. A. M. Möller, B.A. R. G. Webb, B.A.

School Library:

Principal School Library Officer	.. ..	Mrs. W. A. Ferguson, B.A.
Senior School Library Officer	.. ..	Vacant
Senior Selector of School Library Books	.. ..	Miss G. J. Theron, M.A.

INSPECTORS OF EDUCATION*Circuit:*

J. C. Badenhorst, B.Sc. P. S. Botha, M.Sc. S. M. Cerff, B.A., D.Ed. J. B. de Jager, B.Sc., M.Ed. J. P. N. de Jongh, B.Sc. R. K. de Villiers, M.Sc. J. P. C. du Plessis, M.A. P. J. du Plessis, B.A. A. P. du Toit, M.Sc. L. Goosen, B.A. J. J. G. Grobbelaar, M.A., Ph.D. R. A. Jansen, M.A. B. D. Kleyn, M.A. H. L. F. Koch, B.A. A. S. du P. le Roux, M.Sc., M.Ed.
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APPENDIX A (continued)

H. G. J. Lintvelt, M.A.
 N. L. Louw, B.A.
 D. G. Malan, B.Comm.
 G. F. Müller, B.A.
 P. R. Perold, B.A.
 J. C. Roelofse, M.Sc.
 D. J. A. Rust, B.Sc.
 F. A. Siebörger, M.Sc.
 B. Strydom, B.Sc.
 J. D. Theron, M.A.
 J. F. van der Merwe, B.A., M.Ed.
 W. A. van der Merwe, B.Sc.
 J. D. van Graan, B.A.
 A. J. Viljoen, M.Sc., B.Comm.
 J. A. C. Visagie, B.Sc., D.Ed.
 J. J. Visser, B.A.
 J. J. Vosloo, B.Sc.
 I. P. Wait, B.Sc., B.Ed.
 H. S. H. Weich, B.A., B.Sc., B.Ed.
 C. H. Winckler, B.A., B.Ed.
 One vacant post

Relieving:

N. W. du Bois, B.Sc.
 J. C. van der Westhuizen, M.A., B.Ed.
 G. J. Venter, B.A.

Technical Subjects:

D. H. Rickett, B.Sc.(Eng.), M.Ed., C.Eng.

Commercial Subjects:

A. G. N. de Villiers, B.Comm.
 D. J. Swanepoel, B.Comm.

Science:

H. E. Fox, B.Sc.

INSPECTORS OF SPECIAL SUBJECTS

Agriculture:

J. M. Grobler, B.Sc. (Agriculture)

Home Economics and Dietetics:

Miss F. M. Claassen
 Mrs. H. Humphries
 Miss O. Israelson
 Miss J. Malan
 Miss M. S. E. van Niekerk
 Miss D. Roux

Trade Subjects:

R. W. Oliphant
 P. M. Stander
 C. E. van der Merwe
 P. J. Wilmans

APPENDIX A (continued)

Art:

Mrs. R. M. Jensen, B.A. (Fine Arts)
 C. N. Lombard
 J. H. Meyer, B.A.
 Two vacant posts

Infant School Method:

Mrs. B. H. Barry
 A. J. C. Cumpsty
 Miss F. Grobler
 Miss S. I. la Grange
 Mrs. H. J. Nel
 Miss A. S. Scholtz

Manual Training:

W. de la H. Bellingan
 J. M. A. de B. Brittz, B.Comm., B.Ed.
 J. W. Love
 J. v.d. S. Uys, B.A., B.Ed.
 W. H. van der Westhuizen, B.A.

Music:

N. F. P. Burger
 J. P. P. Hugo, B.Mus.
 D. J. H. Müller, B.Mus.
 M. van der Spuy, B.Mus.

Needlework:

Miss D. S. Bosch
 Mrs. G. A. Botha
 Mrs. N. B. Sterrenberg
 Mrs. M. van Niekerk
 Miss M. M. Victor

Physical Education:

J. J. Schoombee, B.A.
 H. E. K. McEwan
 J. A. P. Nel
 Miss M. Warren
 Miss B. H. Fourie, B.A.(Phys. Educ.), B.Ed.Ph.
 Miss A. M. Marais

Commercial Subjects:

I. v.d. Watt, B.Comm.

ADVISERS ON SPECIAL SUBJECTS

Audio-Visual Education

P. J. Grobler, B.A.

School Libraries:

Miss S. M. van Zyl, B.A.
 Miss E. M. de Jongh, B.A.
 Miss M. G. Haw, B.A.
 Miss D. M. Broekmann, M.A., B.Ed.

Scripture:

One vacant post

MEDICAL AND DENTAL SERVICES

Chief Medical Inspector of Schools:

J. P. Liebenberg, M.B., Ch.B.

Medical Inspectors of Schools:

F. H. Badenhorst, B.A., M.B., Ch.B.
 M. Elion, B.A., M.B., Ch.B.
 S. B. Lange, M.R.C.S.(Eng.), L.R.C.P.(Lond.)
 C. Lendrum, M.R.C.S.(Eng.), L.R.C.P.(Lond.)
 A. W. Littlewood, M.R.C.S.(Eng.), L.R.C.P.(Lond.)
 S. M. Low, M.B., Ch.B.
 J. G. C. Lockyer, M.A., B.M., B.Ch.(Oxon.), D.P.H.(Lond.)
 C. van D. Lötter, M.B., Ch.B.
 I. Rosen, M.R.C.S., L.R.C.P., D.P.H.
 D. M. Shepherd, M.B., Ch.B.
 A. M. van Aswegen, M.B., Ch.B.
 R. J. van der Spuy, M.B., Ch.B.
 E. J. Voigt, M.B., Ch.B.
 One vacant post

Dental Inspectors of Schools:

L. Cottrell, B.D.S.
 J. L. Neill, B.D.S.
 C. J. F. Pulley, M.R.C.S.(Eng.), L.R.C.P.(Lond.), L.D.S.R.C.S.(Eng.)
 B. S. E. Roux, L.D.S.
 One vacant post

Chief School Nurse:

Miss P. Erasmus

School Nurses:

Mrs. J. B. Adendorff
 Mrs. D. D. Aucamp
 Mrs. G. J. Bester
 Mrs. P. Costa
 Miss H. A. de Kock
 Mrs. A. M. C. du Toit
 Mrs. G. S. Fouché
 Miss S. M. Fourie
 Mrs. A. Gericke
 Miss A. J. E. Hoencamp
 Miss E. P. Klonus
 Miss J. Kramer
 Mrs. I. A. Kunitz
 Miss A. E. Laubscher
 Mrs. A. M. Meiring
 Mrs. R. J. Murray
 Mrs. C. M. Olivier
 Mrs. S. Pretorius
 Miss H. Prins
 Miss M. R. Sargent
 Mrs. H. Schoombie
 Mrs. S. A. Schoonraad
 Miss S. J. Smith
 Miss A. J. J. Smuts
 Miss S. A. M. Swanepoel
 Mrs. M. M. Terblanche
 Mrs. M. C. Thomson
 Mrs. V. C. Thyssen
 Miss A. D. van der Spuy

Mrs. I. van der Westhuizen
 Miss A. J. S. van Rooyen
 Mrs. W. Venter
 Miss J. D. Wagenaar
 Mrs. H. C. Wessels
 Five vacant posts

PSYCHOLOGICAL & GUIDANCE SERVICES

Head:

N. J. Heyns, B.A., D.Ed.

Assistant Heads:

C. J. J. Reyneke, M.A., D.Ed.
 B. Olivier, B.A.(Hons.)

Senior School Psychologists:

N. H. Bernard, B.A., M.Ed.
 J. Büchner, B.Sc., M.Ed.
 A. du Preez, B.A.
 J. J. du Preez, M.A., B.Comm.
 D. J. du Toit, B.A.
 H. T. Pretorius, B.A., M.Ed.
 J. B. van Rooyen, B.A., B.Ed.
 P. A. C. Weidemann, M.A.

School Psychologists:

C. J. Bezuidenhout, B.A.
 J. C. E. Bouwer, B.A., M.Ed.
 Miss J. D. Fleck, M.A.
 N. J. Gildenhuis, M.A.
 F. F. le Roux, B.A.(Hons.), B.Ed.
 Miss M. J. M. Marais, B.A.
 W. K. Meyer, B.A.
 J. F. Millar, B.A.
 J. C. Neethling, B.A., B.Ed.
 G. D. Nortje, B.A.(Hons.)
 M. C. Potgieter, B.A., M.Ed.
 J. J. Rademeyer, B.A.
 E. H. Thompson, B.A.
 V. van der Merwe, B.A., B.Ed.
 W. van Greunen, B.A.
 T. J. K. van Niekerk, B.A., B.Ed.
 D. J. Vermeulen, B.A.
 P. C. Vosloo, B.A.
 E. R. Ward, B.A.
 One vacant post

Relieving School Psychologist:

W. C. Gericke

Adviser of Hard of Hearing and Speech Defective Classes:

Miss B. K. Williams

APPENDIX B

(a) LIST OF NEW SCHOOLS AND ADDITIONS COMPLETED DURING 1970

School District	School	Type of Work
Albany	Oatlands Preparatory School	Additions
George	Outeniqua High School	Additions and Hall
George	Van Kervel Special Secondary School	Additions
Gordonia	Op-die-Voorpos Primary School	Additions and Alterations
Indwe	Preparatory School	Additions and Alterations
Cape	Bergvliet High School	Additions
Cape	Jan van Riebeeck Primary School	Additions
Cape	Camps Bay High School	New Building
Cape	Camps Bay Primary School	Additions and Alterations
Cape	Pinelands Central Primary School	Additions
Cape	Plumstead Preparatory School	Additions
Cape	Sea Point Boys' High School	Conversions
Cape	Fish Hoek Primary School	Additions and Alterations
Kimberley	Du Toitspan Primary School	New Building
Kimberley	Diamantveld High School	Additions and Hall
Kimberley	English Medium Boys' Primary School	New Building
Knysna	Primary School	Additions and Alterations
Kuruman	Kalahari High School	Additions
Maclear	Ugie High School	Additions and Alterations
Middelburg	Karel Theron Primary School	Additions
East London	Clifton Park High School	Additions
East London	Grens High School	Additions
Oudtshoorn	Wesbank Primary School	Additions
Paarl	Boys' High School	New Building (1st Phase Woodwork Block)
Paarl	Kraaifontein Primary School No. 2	Additions (2nd Phase)
Parow	Courtraai Preparatory School	New Building
Parow	Goodwood High School	Additions
Parow	Monte Vista Primary School	Additions
Port Elizabeth	Algoa Park Primary School No. 3	New Building
Port Elizabeth	Algoa Park Primary School No. 4	New Building
Port Elizabeth	Cotswold Primary School No. 2	New Building
Port Elizabeth	Cotswold Preparatory School	Additions
Port Elizabeth	Hankey Secondary School	New Building
Port Elizabeth	Westering High School	New Building
Port Elizabeth	Westering Primary School	New Building
Queenstown	Balmoral Girls' Primary School	Hall
Stellenbosch	De Kuilen Primary School	Additions and Hall
Vryburg	High School	Additions
Worcester	Breede River Primary School	New Building

(b) LIST OF HOSTEL SCHEMES COMPLETED DURING 1970 (AT ADMINISTRATION COST)

School District	Hostel	Type of Work
Alexandria	Sandflats Primary School: Aided Hostel (Murray Kruger House)	Additions
Aliwal North	High and Primary Schools: Aided Hostel for Boys:	Additions

APPENDIX B (continued)

Aliwal North	Jamestown Secondary School: Aided Hostel (Euufees)	Additions
Barkly West	Delpportshoop High School: Aided Hostel	New Building
Clanwilliam	High School Hostel for Girls (Saamwerk)	Sewerage
George	Van Kervel Special Secondary School: Hostel for Boys	New Building
Hopetown	High School: Aided Hostel (Oranjehof)	Sewerage
Kakamas	Martin Oosthuizen High School Hostel	Additions
Parow	Durbanville High School Hostel	Replacement of Roof
Uitenhage	Muir College High School Hostel for Boys (N. C. Dugmore)	Additions
Uitenhage	Riebeeck College Girls' High School Hostel	New Building
Uniondale	High School Hostel for Boys	New Building

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Beaufort West	Beaufort West Preparatory School	0,077 2	8 500,00	
Bredasdorp	Bredasdorp High School	0,122 2	4 320,00	
Bredasdorp	Bredasdorp Primary School	0,170 3	1,00	
Cape	Bergvliet Primary School	0,020 2	2,00	
Cape	Viljoenhof Training College	0,152 9	30 000,00	
Cape	Constantia Primary School No. 1	1,983 0	20 003,20	
Cape	Constantia Primary School No. 1	1,200 2	2 020,00	
Cape	Fish Hoek Primary School	0,099 3	13 720,00	
Cape	Fish Hoek Primary School	0,142 7	15 600,00	
Cape	Fish Hoek Primary School	0,058 6	1,00	
Cape	Good Hope Seminary Girls' Junior School	0,082 9	61 000,00	
Cape	Good Hope Seminary Girls' Junior School	0,014 4	10 000,00	
Cape	Grove Primary School	0,053 8	22 000,00	
Cape	Grove Primary School	0,055 1	20 500,00	
Cape	Grove Primary School	0,172 6	46 000,00	
Cape	Grove Primary School	0,099 0	28 500,00	
Cape	Grove Primary School	0,119 2	26 500,00	
Cape	Grove Primary School	0,054 5	20 500,00	
Cape	Grove Primary School	0,055 8	33 162,91	
Cape	Grove Primary School	0,055 3	22 500,00	
Cape	Grove Primary School	0,162 7	46 000,00	
Cape	Rondebosch: Official Residence	0,160 7	42 000,00	
Cape	Wynberg: Official Residence	0,080 2	41 000,00	
Cape	Milnerton: Official Residence	0,123 6	32 000,00	
Cape	Jan van Riebeeck High School	0,019 1	9 800,00	
Cape	Jan van Riebeeck High School	0,020 9	11 500,00	
Cape	Jan van Riebeeck High School	0,015 1	9 250,00	
Cape	Observatory High School	0,401 0	43 500,00	
Cape	Ottery Proposed Primary School	3,693 8	35 000,00	
Cape	Paul Greyling Primary School	0,064 5	650,00	
Cape	San Souci High School	0,079 1	19 000,00	

50

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Cape	San Souci High School	0,048 6	19 000,00	
Cape	Sea Point High School	0,034 5	26 500,00	
Cape	Sea Point West High School	0,043 9	64 000,00	
Cape	Simonstown High School	2,154 7	30 000,00	
Cape	Tamboerskloof High School	0,018 2	11 000,00	
Cape	Wynberg Boys' High School	0,395 4	59 400,00	
Cape	Wynberg Boys' Primary School	3,780 6	280 000,00	
Cape	Ysterplaat High School	0,126 5	4 500,00	
Cape	Paul Greyling Primary School	0,114 5	7 500,00	
Cape	Zeekoevlei High School No. 2	0,410 4	14 000,00	
Cape	Zeekoevlei Primary School No. 1	0,410 4	4 500,00	
Ceres	Charlie Hofmeyr High School	0,178 4	28 000,00	
Ceres	Charlie Hofmeyr High School	0,082 2	13 000,00	
Ceres	Charlie Hofmeyr High School	0,090 2	9 000,00	
Ceres	Charlie Hofmeyr High School	0,178 4	2 000,00	
Ceres	Charlie Hofmeyr High School	0,178 4	8 200,00	
Cradock	Cradock: Inspector of Education: Official Residence	0,114 2	20 000,00	
East London	Amalinda Primary School	0,275 1	14 000,00	
East London	Amalinda Primary School	0,280 9	14 000,00	
East London	Amalinda Primary School	0,279 8	16 000,00	
East London	Amalinda Primary School	0,150 1	2 000,00	
East London	Amalinda Primary School	0,280 0	8 599,00	
East London	Amalinda Primary School	0,279 4	16 000,00	
East London	Chiselhurst Primary School	2,765 7	3 990,00	
East London	College Street Primary School	0,030 4	10 500,00	
East London	College Street Primary School	0,044 0	9 000,00	
East London	College Street Primary School	0,045 6	10 500,00	
East London	Sunnyridge Primary School	0,097 8	3 000,00	
East London	Sunnyridge Primary School	0,097 8	3 000,00	
Fort Beaufort	Piet Retief Technical High School	0,238 0	5 148,00	
Fort Beaufort	Piet Retief Technical High School	0,233 0	5 600,00	

51

APPENDIX C (continued)

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Fort Beaufort	Piet Retief Technical High School	0,256 3	5 140,00	
Fort Beaufort	Piet Retief Technical High School	0,555 2	8 000,00	
Fraserburg	Fraserburg High School	0,071 4	1 200,00	
Fraserburg	Fraserburg High School	0,071 4	4 000,00	
George	George South Primary School	0,278 5	7 700,00	
George	George South Primary School	0,078 2	5 500,00	
George	George South Primary School	0,456 8	1 990,00	
George	George South Primary School	0,457 1	6 800,00	
George	George South Primary School	0,456 8	7 250,00	
George	George South Primary School	0,028 6	4 210,00	
George	George South Primary School	0,112 9	22 500,00	
Gordonia	Upington: Official Residence	0,217 0	22 000,00	
Graaff-Reinet	Graaff-Reinet: Official Residence	1,065 2	200,00	
Hay	Postmasburg High School	1,170 3	14 000,00	
Heidelberg	Heidelberg High School	21,416 0	63 000,00	
Hopefield	Saldanha Proposed Secondary and High Schools	12,493 8	9 990,00	
Jansenville	Jansenville High School	0,100 4	3 000,00	
Kimberley	Adamantia High School	0,075 6	21 000,00	
Kimberley	Adamantia High School	0,062 0	18 000,00	
Kimberley	Adamantia High School	0,180 5	21 000,00	
Kimberley	Kimberley Girls' High School	0,163 8	22 500,00	
Kimberley	Kimberley Girls' High School	0,249 4	5 500,00	
Kimberley	Kimberley Girls' High School	0,062 6	5 500,00	
Kimberley	Psychological Services Clinic	0,161 7	10 000,00	
Kimberley	Psychological Services Clinic	0,086 8	6 000,00	
King William's Town	De Vos Malan High School	0,085 7	15 000,00	
Knysna	Knysna High School	5,874 1	143 700,00	
Knysna	Knysna High School	3,000 1		
Kuruman	Severn Primary School	0,428 2	50,00	
Maclear	Ugie High School	0,261 7	6 000,00	
Malmesbury	Dirkie Uys High School	0,427 8	2 655,00	
Malmesbury	Dirkie Uys High School			

52

APPENDIX C (continued)

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Malmesbury	Dirkie Uys High School	3,776 8	2 954,30	
Oudtshoorn	Langenhoven Commercial High School	0,059 5	5 100,00	
Oudtshoorn	Langenhoven Commercial High School	0,068 3	5 000,00	
Oudtshoorn	Langenhoven Commercial High School	0,085 7	9 000,00	
Oudtshoorn	Langenhoven Commercial High School	0,102 8	5 000,00	
Oudtshoorn	Langenhoven Commercial High School	0,146 1	20 000,00	
Paarl	Eben Dönges High School	0,198 4	6 000,00	
Paarl	Eben Dönges High School	0,198 3	6 608,60	
Paarl	Eben Dönges High School	0,049 6	30 400,00	
Paarl	Eben Dönges High School	0,396 5	8 000,00	
Paarl	Kraaifontein Primary School No. 5	0,049 6 (54 erven)	86 000,00	
Paarl	Kraaifontein Primary School No. 3	1,586 2	48 000,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	2 600,00	
Paarl	Kraaifontein Primary School No. 4	0,049 6	7 850,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	2 800,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	2 950,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	3 000,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	2 600,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	3 000,00	
Paarl	Kraaifontein Primary School No. 4	0,099 2	8 500,00	
Paarl	Kraaifontein Primary School No. 4	0,198 4	5 600,00	
Paarl	Kraaifontein Primary School No. 4	0,148 8	4 800,00	
Paarl	Kraaifontein Primary School No. 4	0,198 4	6 400,00	
Paarl	W. A. Joubert Primary School	0,017 0	10 000,00	
Parow	Bellville Primary School	0,162 3	1,00	
Parow	D. F. Malan High School	2,148 8	1,00	
Parow	Parow Central Primary School	0,049 6	10 500,00	
Parow	Goodwood Primary School	0,049 5	6 250,00	
Parow	Goodwood Primary School	0,047 6	16 000,00	
Parow	Goodwood Primary School	0,051 6	13 000,00	
Parow	Goodwood Primary School	0,024 8	6 000,00	

53

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Parow	Philadelphia Primary School	0,246 5	8 900,00	
Parow	Philadelphia Primary School	0,121 9	1 700,00	
Parow	Table View Primary School No. 3	0,100 4	3 500,00	
Piketberg	Piketberg High School	0,717 8	10 000,00	
Piketberg	Piketberg High School	0,234 0	3 300,00	
Piketberg	Piketberg High School	0,402 0	14 200,00	
Piketberg	Porterville High School	3,426 1	5 500,00	
Port Elizabeth	Albert Jackson Primary School	0,452 0	58 500,00	
Port Elizabeth	Albert Jackson Primary School	0,932 4	100,00	
Port Elizabeth	Albert Jackson Primary School	0,165 3	40 000,00	
Port Elizabeth	Hard-of-Hearing and Speech Defective School	5,293 9	2,00	
Port Elizabeth	Port Elizabeth: Official Residence	0,115 0	33 000,00	
Port Elizabeth	Mount Pleasant Primary School	0,099 1	7 000,00	
Port Elizabeth	Mount Pleasant Primary School	0,099 1	2 470,00	
Port Elizabeth	Sydenham Primary School	0,240 4	2,00	
Riversdale	Volschenk Primary School	0,121 9	10 000,00	
Riversdale	Volschenk Primary School	0,081 1	9 500,00	
Riversdale	Volschenk Primary School	0,035 7	4 050,00	
Riversdale	Volschenk Primary School	0,083 1	8 500,00	
Somerset East	Somerset East Preparatory School	0,067 4	9 000,00	
Somerset East	Somerset East Preparatory School	0,335 1	56 000,00	
Stellenbosch	De Kuilen Primary School	0,918 1	40 000,00	
Stellenbosch	Gordon's Bay Primary School	0,231 6	27 000,00	
Stellenbosch	Lochnerhof Primary School	0,148 7	17 125,00	
Stellenbosch	Lochnerhof Primary School	0,074 4	10 300,00	
Stellenbosch	Paarl Valley Proposed High School	2,186 0	55 000,00	
Stellenbosch	Somerset West Primary School	0,101 4	19 500,00	
Stellenbosch	Somerset West Primary School	0,104 8	22 300,00	
Stellenbosch	Somerset West Primary School	0,077 4	16 500,00	
Stellenbosch	Somerset West Primary School	0,103 1	20 000,00	
Swellendam	Bonnievale High School	4,426 1	52 000,00	

54

PROPERTIES ACQUIRED FOR EDUCATIONAL PURPOSES IN 1970

School District	School	Extent ha	Purchase Price	
			R	c
Tulbagh	Tulbagh High School	0,161 1	3 000,00	
Uitenhage	Kirkwood High School and Sportfields	8,565 4	30 000,00	
Uitenhage	Kruis River Primary School	3,426 1	2 400,00	
Umzinkulu	Umzinkulu Primary School	0,430 6	600,00	
Uniondale	Somerset's Gift Primary School	0,856 5	200,00	
Vryburg	Lykso Primary School	1,713 1	27 926,63	
Worcester	Commercial High School Hostel	0,955 0	103 579,81	
Worcester	Worcester East Primary School	0,326 2	460,00	

55

LAND RESERVED IN TERMS OF THE TOWNSHIPS ORDINANCE
DONATED AND EXCHANGED DURING 1970

(i) RESERVED

<i>School</i>		<i>Area</i>
		ha
Parow	Panorama High School	5,814 4
Port Elizabeth ..	Algoa Park Township Extensions 6 and 7 ..	20,870 9
Uitenhage ..	Perseverance Township	2,633 0

(ii) DONATED

<i>School</i>		<i>Area</i>	<i>Donor</i>
		ha	
Robertson ..	Wakkerstroom West: Official Residence	0,232 2	D.R.C., Ashton

(iii) EXCHANGED

<i>School</i>		<i>Area</i>
		ha
Cape	Nassau High School	0,116 1
East London ..	Beaconhurst Primary School	0,930 2
East London ..	Beacon Bay High School	9,918 7
Uitenhage ..	Miscellaneous	3,963 7
Worcester ..	Township No. 17	3,496 2
Piketberg ..	Piketberg High School	0,190 8
Piketberg ..	Piketberg High School	0,291 9

NUMBER OF SCHOOLS AS AT 30TH SEPTEMBER, 1970

APPENDIX E

	Colleges	Schools								Total Sept., 1970	Total Sept., 1969	Difference
		Vocational	High	Agricultural High	Secondary	Special Secondary	Primary	Special	Farm			
Under School Boards	4	—	218	—	44	7	659	10	14	956	969	-13
Church Schools	1	—	—	—	—	—	24	—	—	25	26	-2
Other Schools	2	22	2	5	1	—	17	—	—	49	53	-4
Total September 1970	7	22	220	5	45	7	700	10	14	1 030	—	-18
Total September 1969	7	22	220	5	46	7	712	10	19	—	1 048	—
Difference	—	—	—	—	-1	—	-12	—	-5	—	—	-18

57

SUMMARY

	September 1970	September 1969	Difference
Number of Schools	1 030	1 048	-18

AVERAGE ENROLMENT OF PUPILS DURING THE QUARTER ENDED
30th SEPTEMBER, 1970, ARRANGED ACCORDING TO TYPE OF SCHOOL

	Colleges	Schools								Total Sept., 1970	Total Sept., 1969	Differ- ence
		Voca- tional	High	Agri- cultural High	Second- ary	Special Second- ary	Primary	Special	Farm			
Under School Boards	1 183	—	84 164	—	6 580	1 969	122 080	103	101	216 180	214 545	+1 635
Church Schools	236	—	—	—	—	—	3 835	—	—	4 071	4 212	-141
Other Schools	870	8 915	1 261	855	52	—	1 394	—	—	13 347	13 126	+221
Total Sept. 1970	2 289	8 915	85 425	855	6 632	1 969	127 309	103	101	233 598	—	+1 715
Total Sept. 1969	1 985	8 798	85 413	802	7 022	1 765	125 825	116	157	—	231 883	—
Difference	+304	+117	+12	+53	-390	+204	+1 484	-13	-56	—	—	+1 715

SUMMARY

	September 1970	September 1969	Difference
Number of Pupils	233 598	231 883	+1 715

AVERAGE ATTENDANCE AND PERCENTAGE ATTENDANCE OF PUPILS IN SCHOOLS FOR THE YEAR

Average Attendance		Percentage Attendance	
1970	1969	1970	1969
224 296	222 967	96%	96%

Year	Sub. VI	Sub. VII	Sub. VIII	Sub. IX	Sub. X
1970	100	96	83	68	52
1969	100	97	88	69	54
1968	100	90	80	59	45
1967	100	91	75	52	42
1966	100	92	75	52	42
1965	100	92	75	52	41
1964	100	92	74	53	41
1963	100	93	74	53	48
1962	100	93	74	53	42
1961	100	94	74	54	41
1960	100	94	74	51	38

II - PERCENTAGE DISTRIBUTION OF PUPILS IN STANDARDS VI TO X BASED ON PRECEDING TABLE FOR THE YEARS 1960 TO 1970

Year	Sub. VI	Sub. VII	Sub. VIII	Sub. IX	Sub. X
1970	100	96	83	68	52
1969	100	97	88	69	54
1968	100	90	80	59	45
1967	100	91	75	52	42
1966	100	92	75	52	42
1965	100	92	75	52	41
1964	100	92	74	53	41
1963	100	93	74	53	48
1962	100	93	74	53	42
1961	100	94	74	54	41
1960	100	94	74	51	38

APPENDIX H

I—DISTRIBUTION OF PUPILS IN STANDARDS VI TO X ON THE FIRST TUESDAY IN JUNE FOR THE YEARS 1960 TO 1970

Year	Std. VI	Std. VII	Std. VIII	Std. IX	Std. X
1960	17 809	15 706	12 219	8 235	6 061
1961	17 770	16 673	12 319	8 714	6 570
1962	17 604	16 570	13 236	8 951	6 929
1963	17 505	16 403	13 210	9 515	7 146
1964	16 964	16 062	13 056	9 437	7 343
1965	17 491	16 170	12 759	9 680	7 334
1966	17 857	16 147	12 769	9 572	7 419
1967	18 132	16 554	12 812	9 505	7 594
1968	19 837	17 940	15 776	11 675	8 963
1969	19 785	18 458	15 962	12 292	9 373
1970	19 758	18 953	16 440	12 392	9 840

II—PERCENTAGE DISTRIBUTION OF PUPILS IN STANDARDS VI TO X (BASED ON PRECEDING TABLE) FOR THE YEARS 1960 TO 1970

Year	Std. VI	Std. VII	Std. VIII	Std. IX	Std. X
1960	100	94	74	51	38
1961	100	94	74	54	41
1962	100	93	74	53	42
1963	100	93	74	53	43
1964	100	92	74	53	41
1965	100	95	72	55	41
1966	100	92	75	55	42
1967	100	91	71	52	42
1968	100	90	80	59	45
1969	100	93	88	69	54
1970	100	96	83	68	55

APPENDIX I

DISTRIBUTION OF PUPILS, ACCORDING TO AGE, IN ALL STANDARDS IN HIGH, VOCATIONAL, AGRICULTURAL HIGH, SECONDARY, SPECIAL SECONDARY, PRIMARY AND FARM SCHOOLS AS ON 2nd JUNE, 1970, PERCENTAGE RETARDED, ETC.

19

Age last birthday	PRIMARY								SECONDARY						Total	Percentage	
	Sub-Std. A	Sub-Std. B	Std. I	Std. II	Std. III	Std. IV	Std. V	Special Classes for handicapped pupils	Std. VI	Std. VII	Std. VIII	Std. IX	Std. X	Special Secondary Classes			
Under 6 years	659	—	—	—	—	—	—	—	—	—	—	—	—	—	—	659	3
6 but not 7 years	16 032	668	8	—	—	—	—	6	—	—	—	—	—	—	—	16 714	7,2
7 " " 8 " " " "	4 711	14 561	804	1	—	—	—	32	—	—	—	—	—	—	—	20 109	8,7
8 " " 9 " " " "	423	4 995	13 970	910	2	—	—	131	—	—	—	—	—	—	—	20 431	8,8
9 " " 10 " " " "	49	739	4 958	13 527	1 001	15	1	317	—	—	—	—	—	—	—	20 607	8,9
10 " " 11 " " " "	5	99	922	4 989	13 427	1 055	33	563	—	—	—	—	—	—	—	21 093	9,1
11 " " 12 " " " "	3	12	152	1 235	4 934	12 648	1 036	730	13	—	—	—	—	—	—	20 763	8,9
12 " " 13 " " " "	—	1	19	247	1 421	4 818	11 928	1 074	1 120	8	—	—	—	—	—	20 636	8,9
13 " " 14 " " " "	1	2	3	32	319	1 443	4 379	1 329	11 333	1 134	5	—	—	—	—	19 980	8,6
14 " " 15 " " " "	—	2	2	11	41	363	1 511	1 425	4 671	10 554	1 022	8	—	99	19 709	8,5	
15 " " 16 " " " "	—	—	2	2	11	55	370	972	1 976	4 783	9 556	940	16	556	19 239	8,3	
16 " " 17 " " " "	—	—	—	1	1	11	66	297	570	1 952	4 184	7 754	859	714	16 409	7,1	
17 " " 18 " " " "	—	—	—	—	—	—	3	30	67	477	1 353	3 012	6 382	478	11 802	5,1	
18 " " 19 " " " "	—	—	—	—	1	—	1	1	6	44	290	612	2 183	135	3 273	1,4	
19 and over	—	—	—	—	—	—	—	—	2	1	30	66	400	23	522	,2	
Total Number of Pupils, 1970	21 883	21 079	20 840	20 955	21 158	20 408	19 328	6 907	19 758	18 953	16 440	12 392	9 840	2 005	231 946	100,0	
Total Number of Pupils, 1969	22 522	21 071	21 224	21 261	21 116	20 249	19 156	6 493	19 785	18 458	15 962	12 292	9 373	1 947	230 909	—	
Median Age, 1970	6,64	7,68	8,69	9,71	10,71	11,72	12,72	—	13,77	14,79	15,75	16,68	17,63	—	—	—	
*Percentage retarded, 1970 ..	—	—	,9	1,4	1,8	2,1	2,3	—	3,3	2,8	1,9	,5	—	—	—	—	
Percentage of Pupils in various Standards, 1970	9,4	9,1	9,0	9,0	9,1	8,8	8,3	3,0	8,5	8,2	7,1	5,3	4,2	1,0	—	100,0	

*Based on assumption that pupils normally enter school at 7 and all are retarded if 2 years above normal age.

MEDIUM OF INSTRUCTION IN ALL STANDARDS IN SCHOOLS
ON 2nd JUNE, 1970

Standard	Mainly or Exclusively English	Mainly or Exclusively Afrikaans	Afrikaans and English	Other Languages	Total Number of Pupils
Sub-Std. A	7 736	13 881	249	17	21 883
Sub-Std. B	7 482	13 340	249	8	21 079
Std. I	7 487	13 067	278	8	20 840
Std. II	7 570	13 157	219	9	20 955
Std. III	7 435	13 511	200	12	21 158
Std. IV	7 181	12 977	239	11	20 408
Std. V	6 695	12 392	235	6	19 328
Std. VI	6 595	12 220	943	—	19 758
Std. VII	6 340	11 736	877	—	18 953
Std. VIII	5 457	10 091	892	—	16 440
Std. IX	4 333	7 221	838	—	12 392
Std. X Matriculation Exemption	2 373	3 228	335	—	5 936
Std. X Non-matriculation Exemption	889	2 696	319	—	3 904
Special Classes: Handicapped Pupils	1 759	5 015	133	—	6 907
Special Secondary Classes	731	1 274	—	—	2 005
TOTAL	80 063	145 806	6 006	71	231 946

APPENDIX K

MEDIAN AGE OF PUPILS TO STANDARD VI ON 2nd JUNE, 1970

Standard	Median Age
Sub-Std. A	6,64
Sub-Std. B	7,68
Std. I	8,69
Std. II	9,71
Std. III	10,71
Std. IV	11,72
Std. V	12,73
Std. VI	13,77

SEX OF TEACHERS, ARRANGED ACCORDING TO TYPE OF SCHOOL ON 30th JUNE, 1970

64

Sex of Teachers	Itinerant Teachers	Training Colleges	SCHOOLS								Total
			Vocational	High	Agricultural High	Secondary	Special Secondary	Primary	Farm	Special	
Male	30	101	383	2 348	53	196	96	1 514	—	—	4 721
Female	91	121	207	2 193	4	232	50	3 915	12	26	6 851
Total 1970 ..	121	222	590	4 541	57	428	146	5 429	12	26	11 572
Total 1969 ..	112	194	567	4 449	56	437	137	5 327	18	25	11 322
Percentage of Male Teachers:											
1970	24,8	45,5	64,9	51,7	93,0	45,8	65,8	27,9	0,0	0,0	40,8
1969	24,1	45,9	64,6	51,3	98,2	46,2	66,4	28,2	11,1	0,0	40,8

TEACHERS ARRANGED ACCORDING TO TYPE OF SCHOOL ON 30th JUNE, 1970

65

	Itinerant Teachers	Training Colleges	SCHOOLS								Total
			Vocational	High	Agricultural High	Secondary	Special Secondary	Primary	Farm	Special	
Total 1970 ..	121	222	596	4 541	57	428	146	5 429	12	26	11 572
Total 1969 ..	112	194	567	4 449	56	437	137	5 327	18	25	11 322

APPENDIX N

TEACHERS HOLDING PROFESSIONAL AND/OR ACADEMIC CERTIFICATES, ARRANGED ACCORDING TO
TYPE OF SCHOOL ON 30th JUNE, 1970

Certificate	Training Colleges	Voca- tional Schools	SCHOOLS									Total	
			High	Agri- cultural High	Sec- ondary	Special Sec- ondary	Primary	Church Primary	Farm	Special	Itinerant Teachers		
T.1. Certificate	—	—	6	—	1	—	—	—	—	—	—	—	7
Secondary Higher	98	190	1 996	31	86	10	52	1	—	—	—	8	2 472
Secondary Lower:													
Graduate	—	2	53	4	1	1	4	—	—	—	1	—	66
Non-Graduate	—	7	68	—	3	5	14	—	—	—	—	—	97
Infant School Teachers	8	2	156	—	38	—	1 124	14	1	5	—	1	1 349
Primary Teachers:													
Graduate	5	8	76	3	8	4	68	1	—	—	—	—	173
Non-Graduate	2	13	420	4	106	12	1 520	70	4	8	—	63	2 222
P.H. or T.2 Certificate:													
Graduate	17	12	112	—	9	3	125	1	—	1	—	2	282
Non-Graduate	40	27	711	8	109	35	1 709	30	2	10	—	29	2 710
P.L. or T.3 Certificate:													
Graduate	—	4	2	—	2	1	1	—	—	—	—	—	10
Non-Graduate	—	3	18	—	6	1	77	3	4	—	—	1	113
Miscellaneous:													
Graduate	14	18	169	—	5	4	43	1	—	—	—	1	255
Non-Graduate	37	212	624	2	41	23	532	8	1	—	—	13	1 493
Uncertificated:													
Graduate	—	10	50	3	5	—	2	—	—	1	—	—	71
Non-Graduate	1	82	80	2	8	47	27	2	—	—	—	3	252
Total Number of Teachers ..	222	590	4 541	57	428	146	5 298	131	12	26	121	11 572	

NUMBER OF ENTRIES AND PERCENTAGE OF PASSES IN ALL DEPARTMENTAL EXAMINATIONS, 1970

Examination	Number of Candidates	Percentage of Passes
Senior Certificate	8 982	88
Senior Certificate Supplementary (March the following year)	1 585	24
European Teachers' Diplomas and Certificates:		
Primary Teachers' Diploma:		
Junior Standards Course	243	90
Senior Standards Course	324	91
Primary Teachers' Higher Certificate:		
Academic Subjects	30	93
Agricultural Science	20	95
Art	11	91
Infant School	120	100
Manual Training	27	96
Music	6	100
Needlework	15	87
Physical Education	17	100
Diploma Course in Agricultural Science (4th Year Course)	25	88
Bilingual Certificate (written tests in English and Afrikaans)	544	25

1. Salaries, Wages and Allowances	719 449.70
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	20 442.88
3. Transport	6 443.10
4. Medical treatment of school children	4 000.00
5. Incidental	1 128.32
Total	751 463.80

WHITE EDUCATION

Training of Teachers

1. Salaries, Wages and Allowances	1 491 451.16
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	56 532.32
3. Transport	38 000.00
4. School Equipment, Material and Furniture including Repairs	71 330.32

APPENDIX O (continued)

CAPE SENIOR CERTIFICATE EXAMINATION, 1970
APPROXIMATE PERCENTAGE DISTRIBUTION OF SYMBOLS

Subject	SYMBOL									Total No. of candidates	Approx. median percent marks
	H	G	FF	F	E	D	C	B	A		
Afrikaans Higher	—	—	2	6	24	34	24	8,5	1,5	5 888	56
English Higher	—	1	2	9	24	33	22	7,5	1,5	3 331	54
Afrikaans Lower	—	2	1	8	29	34	19	5,8	1,2	3 092	52,5
English Lower	1	3	3	10	25	28	20	8,8	1,2	5 699	52,5
Latin	1	5	3	10	17	26	19	12	7	799	55
German	—	5	4	11	25	25	17	10	3	1 284	52
German Higher	2	—	2	15	35	33	7	4	2	48	48,8
History	1	5	3	11	23	27	17	10	3	4 605	53
Geography	—	5	3	11	28	29	15	6,5	2,5	1 988	51
Mathematics	4	10	5	14	20	18	13	9	7	4 869	48
Physical Science	1	4	4	13	24	22	17	11	4	3 721	52
Biology	1	3	3	12	25	27	19	7,5	2,5	6 062	52
Agricultural Science	1	2	3	11	26	28	22	5	2	460	52,5
Agricultural Economics	1	2	4	13	28	34	15	3	—	149	50,3
Art	1	1	2	8	28	33	22	5	—	206	53
Accountancy	2	6	5	11	22	20	18	10	6	3 416	51,9
Commercial Mathematics	4	7	4	8	17	18	16	13	13	3 416	55,5
Chemistry	4	—	—	—	4	13	18	22	39	23	75
Home Economics	—	—	1	5	27	42	21	4	—	1 045	54
French	2	7	6	15	33	21	11	4	1	137	46,3
Hebrew	—	2	9	13	19	21	16	12	8	100	53,3
Letterkunde (Afr. en Ned.)	—	3	2	11	24	29	21	8	2	222	53,3
Literature (English)	—	—	—	13	31	28	17	10	1	79	52
Metalwork	2	—	1	5	21	34	27	9	1	244	56,2
Woodwork	2	—	1	4	25	39	22	6	1	819	54,8
Music	—	—	—	2	7	17	42	25	7	181	65,7
Needlework and Dressmaking	—	—	—	3	28	45	22	2	—	427	54,1
Physics	3	4	1	4	25	19	18	26	—	22	55,3
Physiology and Hygiene	1	5	4	13	27	28	16	5	1	1 442	50,1
Snelskrif	2	4	3	6	14	16	17	21	17	537	62,8
Shorthand	—	4	3	11	22	22	15	13	10	390	53,3
Typewriting (Major)	1	4	4	11	26	31	18	5	—	2 196	51,2
Typewriting (Minor)	2	8	5	10	22	33	17	2	1	156	51
Xhosa	—	9	4	9	55	9	14	—	—	22	45

APPENDIX P

EXPENDITURE ON EDUCATION

Statement for the Financial Year ended 31st March, 1970

	R	c
Administration		
1. Salaries, Wages and Allowances	365 873,01	
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	5 385,71	
3. Transport	2 770,42	
4. Incidentals	82 484,03	
Total	456 513,17	
School Boards and School Committees		
1. Salaries, Wages and Allowances	511 905,40	
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses and Holiday Concessions	37 316,38	
3. Transport	13 304,81	
4. Office Equipment, Material and Furniture, including Repairs, printing, stationery and advertising	21 533,59	
5. Fuel	396,28	
6. Election Expenses	57,11	
7. Incidentals	487,06	
Total	585 000,63	
School Inspection		
1. Salaries, Wages and Allowances	300 260,82	
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	27 783,29	
3. Transport	21 499,00	
4. Incidentals including expenses in connection with Inspectors' Conferences	117,81	
Total	349 660,92	
Medical Inspection and Treatment		
1. Salaries, Wages and Allowances	219 449,70	
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	20 632,88	
3. Transport	13 653,10	
4. Medical treatment of school children	61 009,16	
5. Incidentals	1 138,98	
Total	315 883,82	
WHITE EDUCATION		
Training of Teachers		
1. Salaries, Wages and Allowances	1 491 653,16	
2. Subsistence and Transport Allowances including Out-of-Pocket Expenses	56 532,32	
3. Transport	38 055,36	
4. School Equipment, Material and Furniture, including Repairs	71 530,32	

APPENDIX P (continued)

	R	c
5. Hostels	352	364,83
6. Rent grants	4	057,68
7. Fuel	1	376,46
8. Training of serving teachers, etc.		968,86
9. Miscellaneous	6	956,65
Total	2 023	495,64

Secondary Education

1. Salaries, Wages and Allowances	10 418	666,13
2. Subsistence and Transport Allowances		6 772,56
3. School Equipment, Material and Furniture including Repairs	1 486	551,73
4. Bursaries	24	546,55
5. Hostels	657	407,09
6. Fuel	6	232,34
7. Incidentals		506,42
Total	12 600	682,82

Primary Education

1. Salaries, Wages and Allowances	17 301	265,38
2. Subsistence and Transport Allowances		6 417,81
3. School Equipment, Material and Furniture, including Repairs	1 146	106,76
4. Hostels	19	984,23
5. Fuel	5	504,39
6. Incidentals		746,02
Total	18 480	024,59

Combined Primary and Secondary Education

1. Salaries, Wages and Allowances	8 344	641,17
2. Subsistence and Transport Allowances		6 072,63
3. Transport		17,85
4. School Equipment, Material and Furniture, including Repairs	693	538,51
5. Hostels	115	201,27
6. Fuel	5	607,60
7. Incidentals		155,65
Total	9 165	234,68

EDUCATION FOR ASIATICS**Primary and Secondary Education**

1. Salaries, Wages and Allowances	44	816,39
2. Subsistence and Transport Allowances		—
3. School Equipment, Material and Furniture, including Repairs	2	055,46
4. Fuel		58,44
5. Miscellaneous		—
Total	46	930,29

Miscellaneous

1. Examination Expenses	176	651,39
2. Pensions and Gratuities	1 559	587,86
3. Contributions to Pension and Provident Funds	3 340	945,82
4. Printing, Stationery and Advertising		61 714,20
5. Post Office Services, including telegrams, telephones and Post Office Box Rentals	141	035,73

APPENDIX P (continued)

	R	c
6. Payments to schools	213	005,99
7. Subsidies to Nursery Schools and Miscellaneous payments		32 829,44
8. Repayment under section 228 (5) of Ordinance 20 of 1956 of School Fees received from Primary and Secondary Pupils in certain schools		28 522,12
9. Payments to aided hostels	2 026	631,84
10. Boarding and conveyance of school children		937 443,25
11. Appropriation of Hostel Profits		4 429,90
12. Railage, including railway fares of officials and teachers		53 674,83
13. Bursaries for students taking teachers' Courses	1 399	345,25
14. Libraries		218 364,99
15. Incidentals		595 894,11
Total	10 790	076,72

VOCATIONAL SCHOOLS

1. Salaries, Wages and Allowances	2 791	806,98
2. Subsistence and Transport Allowances		26 500,12
3. Postal, Telegraph and Telephone Services		10 002,03
4. Printing, Stationery, advertisements and publications for office use		3 989,83
5. Miscellaneous and incidentals		2 284,34
6. Supplies and services		752 147,31
7. Financial assistance to state-aided vocational schools		5 427,00
8. Subsidies for the purchase of film projectors, radios, gymnastic apparatus and other equipment		4 674,02
9. Fuel		31 651,90
10. Contributions to pension and provident funds		227 761,59
11. Contributions to unemployment insurance fund		481,30
12. Vacation savings bonus		158 067,36
13. Training of teachers in vocational subjects		45 558,55
Total	4 060	352,33

AGRICULTURAL EDUCATION**Agricultural Schools****Educational Division**

1. Salaries, Wages and Allowances	305	563,95
2. Subsistence and Transport Allowances		1 678,57
3. School Equipment, Material and Furniture, including Repairs	30	201,32
4. Fuel		413,79
5. Incidentals		4 356,41
Hostel Division		
6. Hostels	161	685,20
Farming Division		
7. Salaries, Wages and Allowances	65	350,21
8. Maintenance Costs	98	258,42
9. Extraordinary Expenditure	24	043,89

Total **691 551,76**

Vacation Savings Bonus

Vacation Savings Bonus **2 112 496,47**

Grand total of vote **R61 677 903,84**

APPENDIX Q

NECESSITOUS PUPILS TREATED UNDER THE DEPARTMENT'S MEDICAL SCHEME

SCHOOL BOARD	TEETH				EYES	
	Extractions	Fillings	Treatment	Den-tures	Exami-nations	Spec-tacles
Aberdeen	—	—	—	—	2	2
Albany	59	82	—	1	9	9
Albert	19	11	—	—	2	2
Aliwal North	1	13	—	1	—	—
Barkly West	—	—	—	—	4	4
Barrydale	8	—	—	—	—	—
Beaufort West	34	73	—	1	—	—
Bedford	30	53	—	2	1	1
Bredasdorp	143	223	—	5	—	—
Caledon	85	76	—	9	2	2
Calitzdorp	69	73	—	2	9	9
Calvinia	1	4	—	—	2	2
Cape	597	984	—	2	—	—
Cathcart	5	12	—	1	—	—
Ceres	175	203	—	6	1	1
Clanwilliam	78	257	1	2	—	—
Colesberg	6	—	—	—	1	1
Cradock	17	—	—	—	2	2
De Aar	—	2	—	—	—	—
East London	—	—	—	1	16	16
Garies	9	12	—	—	—	—
George	1 075	445	—	63	18	18
Graaf-Reinet	16	15	—	—	3	3
Hay	3	1	—	—	—	—
Heidelberg	11	15	—	—	—	—
Hopetfield	149	217	—	—	—	—
Hopetown	—	—	—	—	1	1
Humansdorp	361	327	—	31	1	1
Jansenville	—	—	—	—	3	3
Kimberley	35	29	4	—	18	18
King William's Town	70	127	—	—	4	4
Knysna	491	76	—	26	13	13
Ladismith	142	60	—	20	7	7
Lady Grey	2	5	—	1	—	—
Laingsburg	3	15	—	2	—	—
Maclear	229	97	2	—	4	4
Malmesbury	96	290	11	—	—	—
Montagu	46	21	—	2	—	—
Mossel Bay	112	166	—	7	3	3
Mount Currie	—	18	—	—	—	—
Murraysburg	—	—	—	—	1	1
Oudtshoorn	561	264	—	39	7	7
Paarl	162	240	—	8	1	1
Parow	2 195	1 300	6	55	—	—
Pearston	10	2	—	—	—	—
Philipstown	—	—	—	—	1	1
Piketberg	37	109	—	—	—	—
Port Elizabeth	10	—	—	2	59	59
Prince Albert	34	9	—	3	6	6
Queenstown	18	48	—	—	3	3
Riversdale	199	95	—	11	7	7
Robertson	174	43	—	5	—	—
Springbok	15	27	—	—	—	—
Stellenbosch	125	40	2	8	1	1
Stellenbosch, Paul Roos Gymnasium Committee	9	14	—	1	—	—

APPENDIX Q (continued)

SCHOOL BOARD	TEETH				EYES	
	Extractions	Fillings	Treatment	Den-tures	Exami-nations	Spec-tacles
Stutterheim	10	11	—	—	1	1
Sutherland	5	—	—	—	—	—
Swellendam	188	150	—	6	7	5
Tulbagh	36	136	—	1	—	—
Uitenhage	452	153	—	5	11	11
Uniondale	312	169	—	—	5	5
Vaalharts	265	15	—	10	5	5
Vanrhynsdorp	63	207	—	2	—	—
Vryburg	8	25	—	—	1	1
Wellington	38	97	—	2	—	—
Willowmore	11	—	—	—	2	2
Worcester	381	266	—	27	—	—
TOTAL	9 495	7 416	—	373	244	242
<i>Technical and Commercial High Schools</i>						
Cradock Midlands Commercial	2	8	—	—	—	—
George, Housecraft High School	82	27	—	16	5	5
George, P. W. Botha Technical	36	27	—	4	5	5
Oudtshoorn, Langenhoven Commercial	26	15	1	1	7	7
Oudtshoorn Technical	126	90	—	15	5	5
Paarl Commercial	7	—	—	1	—	—
Uitenhage, Daniel Pienaar Technical	16	19	—	1	2	2
Uitenhage Commercial	14	—	—	—	—	—
Worcester, Drostdy Technical	5	76	—	3	1	1
Worcester Commercial	2	3	—	—	—	—
TOTAL	316	265	1	41	25	25

MEDICAL INSPECTION 1970: STATISTICS

	ROUTINE EXAMINATIONS									SPECIAL EXAMINATIONS		
	BOYS			GIRLS			TOTAL			Boys	Girls	Total
	Younger	Inter-mediate	Older	Younger	Inter-mediate	Older	Younger	Inter-mediate	Older			
Number examined	8 824	7 553	7 240	8 132	7 373	7 210	16 956	14 926	14 450	4 214	4 046	8 260
Number defective	2 387	2 229	2 250	2 286	2 210	2 347	4 673	4 439	4 597	1 367	1 505	2 872
Number of defective children recommended for treatment .. .	2 355	2 183	2 210	2 261	2 191	2 292	4 616	4 374	4 502	1 332	1 472	2 804
Number of directions to teachers ..	2 617	1 772	1 556	2 388	1 742	1 423	5 005	3 514	2 979	1 157	1 017	2 174
Number of parents or guardians present	4 689	2 299	535	4 388	2 296	983	9 077	4 595	1 518	1 077	1 024	2 101
Number of verminous children .. .	6	6	3	13	12	7	19	18	—	2	15	17
Number of children vaccinated .. .	8 659	7 535	7 201	8 009	7 355	7 186	16 668	14 890	14 387	4 203	4 024	8 227
Remedial exercises: Boys: 600 Girls: 381												
Number of schools visited												450
Total number of pupils re-examined .. .												9 763
Total number of pupils examined .. .												54 592
												64 355

MEDICAL INSPECTION 1970: ANALYSIS OF DEFECTS

DEFECTS	ROUTINE EXAMINATIONS												SPECIAL EXAMINATIONS			
	1 Number of defects present						2 Number of defects listed under column 1 which were recommended for treatment						3 Number of defects present		4 Number of defects listed under column 3 recommended for treatment	
	Boys			Girls			Boys			Girls			Boys	Girls	Boys	Girls
	Younger	Inter-mediate	Older	Younger	Inter-mediate	Older	Younger	Inter-mediate	Older	Younger	Inter-mediate	Older				
Nutrition	53	28	14	72	49	34	53	28	14	72	49	32	29	39	29	39
Teeth	719	1 079	1 219	716	1 043	1 147	707	1 054	1 202	705	1 035	1 097	350	570	539	562
Nose and Throat .. .	124	64	40	93	57	36	120	63	40	93	57	36	47	42	46	40
Tonsils	271	119	81	334	158	96	270	119	80	333	158	86	90	112	89	111
Adenoids	54	19	3	51	35	8	54	19	3	51	35	8	17	23	17	22
Glandular system: Lymphatic	9	5	2	3	6	3	9	5	2	3	5	3	3	—	3	—
Thyroid	2	1	3	—	5	3	2	1	3	—	4	3	3	7	3	7
Eyes: External	124	68	49	114	74	37	123	68	36	114	72	36	40	43	40	41
Vision	307	395	676	292	483	822	293	377	625	285	475	782	345	461	327	452
Ears	324	179	133	404	271	151	321	179	133	401	265	144	124	152	123	151
Hearing	46	133	27	72	40	23	46	133	27	72	40	23	38	36	38	36
Skin diseases	176	179	84	179	147	69	174	178	82	179	147	67	81	82	80	82
Heart and circulation .. .	45	37	21	42	34	32	45	36	21	41	33	30	40	34	39	32
Anaemia	17	12	4	19	9	14	17	12	13	19	9	14	7	9	7	9
Lungs	167	144	24	107	54	27	166	142	23	106	50	24	35	35	34	32
Nervous System	22	31	7	22	22	25	20	30	7	20	22	25	19	25	19	25
Genito-urinary System .. .	231	86	56	59	68	92	230	86	55	59	68	86	69	98	68	97
Abdomen	64	28	23	50	50	30	64	28	22	50	50	30	18	35	18	35
Deformities	97	95	75	66	113	94	96	95	73	65	113	92	70	88	70	87
Infectious diseases .. .	3	—	—	2	1	—	3	—	—	2	1	—	5	1	5	1
Speech	84	38	34	54	20	5	83	38	34	52	20	5	31	19	30	19
Other diseases or defects .. .	68	53	75	52	87	107	68	53	75	52	87	105	32	62	30	61
Posture	2	—	1	3	2	3	2	—	1	3	2	3	1	—	1	—
General appearance .. .	6	6	1	7	6	2	6	6	1	7	6	2	1	1	1	1
Fatigue	6	3	1	4	6	12	6	3	1	4	6	12	2	10	2	10
Intelligence	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Body	1	2	—	—	—	—	1	2	—	—	—	—	1	—	1	—

APPENDIX T

MEDICAL INSPECTION:
RESULTS OF PREVIOUS RECOMMENDATIONS FOR TREATMENT

	Boys	Girls	Total
Number of pupils who obtained treatment	5 778	5 576	11 354
Number of pupils who did not obtain treatment	1 179	927	2 106
Number of pupils about whom information was not obtainable	1 623	1 554	3 177
Number of pupils recommended for treatment at the previous inspection	8 695	8 037	16 732
Percentage of pupils recommended for treatment who obtained treatment	66,4	69,3	67,8
Number of pupils re-examined	5 052	4 711	9 763
Number of cases followed up	1 478	1 642	3 120

Nature of Defect	Defects treated			Defects not treated			Information not available in regard to following defects in		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Dental	2 545	2 388	4 933	781	584	1 365	988	854	1 842
Nose and throat	478	520	998	123	106	229	143	147	290
Ear	415	452	867	57	55	112	111	101	212
Eye	1 285	1 635	2 920	141	151	292	262	348	610
Other	1 537	1 068	2 605	178	124	302	282	254	536

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