

EDUCATION
IN THE
DEVELOPING COUNTRIES
OF THE COMMONWEALTH

Abstracts of Current Research
1969

Commonwealth Secretariat,
Marlborough House,
London, S. W. 1.

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**Commonwealth Secretariat,
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CONTENTS

	<u>Page</u>
<u>Introduction</u>	1
A. <u>Educational Planning</u> Statistics; manpower planning; educational planning and development; economics of education; educational surveys (Nos. 1-19)	2
B. <u>Theories and History</u> History and philosophy of education; comparative education (Nos. 1-20)	12
C. <u>Methods of Enquiry</u> Research methods; evaluation procedures (Nos. 1-29)	20
D. <u>Administration and Organisation</u> Educational administration and organisation; relations intra-governmental and non-governmental; auxiliary services (Nos. 1-9)	36
E. <u>Students' Background and Characteristics</u> Socio-economic background; aptitude; motivation; personality; attitudes; opinions; values; physical and mental health; nutrition; child development (Nos. 1-33)	43
F. <u>Teaching and Learning Situations</u> Learning strategies; teaching methods; teaching aids; extra-curricular activities (Nos 1-35)	63
G. <u>Teacher Training</u> Content of courses; responses (Nos. 1-13)	83
H. <u>Curriculum</u> General, primary, secondary. Particular subjects or disciplines (Nos. 1-32)	91
I. <u>Textbooks and other Books</u> Preparation of textbooks; works of reference; Supplementary reading materials; libraries; reading habits (Nos. 1-6)	112
J. <u>Selection and Performance of Students</u> Access to education; selection procedures; choice and preference of subjects; performance; behaviour; wastage; operational factors (school environment, residence, staff-student relations); methods of assessment (Nos. 1-21)	118

	<u>Page</u>
K. <u>Careers</u> Careers; occupation; training; vocational guidance and counselling (Nos. 1-7)	132
L. <u>The Teaching Profession</u> Professional status; conditions of work; social status; values and image; competence (Nos. 1-4)	136
M. <u>Out-of-School Education: Youth Activities; Adult Education</u> Out-of-School activities; youth organisation; further education; methods and media in adult education (Nos. 1-15)	139
N. <u>Special Education</u> Education of the handicapped (No. 1)	146
O. <u>Agricultural Education</u> (Nos. 1-3)	147
P. <u>Technical Education</u>	149
Q. <u>Higher Education</u> excluding Teacher Training (No.1)	150
R. <u>Educational Psychology</u> (No.1)	151
<u>Index of Institutions</u>	152
<u>Author Index</u>	157

INTRODUCTION

In 1968 the Commonwealth Secretariat carried out a small research project on the exchange of information about current research in education in the developing countries of the Commonwealth. This followed a suggestion that the Commonwealth Secretariat could usefully serve as a clearing house for the dissemination of such information. The aim of the project was to establish whether or not there was a genuine need for this type of activity and, if so, to assess what form and coverage should be attempted in future editions. It was hoped that such exchange of information would lead to the establishment of useful professional contacts between research personnel.

For the purposes of the project a limited number of Commonwealth countries were invited to provide information on the educational research programmes in progress in their universities and research institutions. To keep the project to a manageable size the information sought was restricted to staff and departmental research activities. The replies received were collated and published in a booklet 'Current Research in Education in Some Developing Countries of the Commonwealth 1968'. The booklet was distributed to the participants, educational research institutions and to prominent educationists throughout the Commonwealth. Comments received from them have confirmed that this exchange of information was indeed valuable, and that an annual or biennial publication with a wider coverage would be an effective contribution to the exchange of information and ideas.

It was therefore decided to compile information on current research in education for the year 1969, laying emphasis on these problems relating to education in the developing countries of the Commonwealth which were the subjects of investigation within those countries as well as in the more advanced countries of the Commonwealth. Following the practice established with the 1968 edition, information was requested only about projects undertaken by faculty members and senior research personnel or as joint departmental activities.

The response to the Secretariat's invitation has been very encouraging. Replies have been received from twenty countries and cover a wide range of topics reflecting the areas of priorities in investigations. Because of the shortage of time not all institutions have been able to supply information, and in some instances detailed accounts of projects could not be provided. It is hoped that future editions will be more complete.

A word about the cataloguing. Countries have been listed geographically from east to west in the hope that this will help identification of areas of research activities on a regional basis, thus promoting meaningful contacts between persons working on similar or complementary subjects.

The Commonwealth Secretariat welcomes comments on the publication and suggestions for the refinement of presentation of information in future editions.

A - EDUCATIONAL PLANNING

Statistics; manpower planning; educational planning and development; economics of education; educational surveys.

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|----|---------------------|--|
| 1. | Name of Institution | - Faculty of Education, University of Queensland. |
| | Title of Project | - PROGRESS AND CHANGE IN EDUCATION WITH PARTICULAR REFERENCE TO DEVELOPING COUNTRIES. |
| | Name of Person | - <u>E. Bowker</u> - Part-time at School of Education, University of Southampton, Britain. |
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- | | | |
|----|-----------------------------|---|
| 2. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - PROBLEMS OF TEACHER SUPPLY AND TRAINING IN HONG KONG WITH REFERENCE TO SIMILAR PROBLEMS IN ENGLAND. |
| | Name of Person | - <u>J. Rose</u> - Part-time at School of Education, University of Southampton, Britain. |
| | Description | - A comparative study of teacher training issues and problems in the University and supply of teachers in U.K. and Hong Kong. |
| | Date of Commencement | - June, 1966. |
| | Expected Date of Completion | - June, 1970. |
| | Source of Finance | - Department of Education, University of Hong Kong and private sources. |
-
- | | | |
|----|-----------------------------|---|
| 3. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - RESEARCH IN EDUCATIONAL PLANNING, PHYSICS EDUCATION AND AUDIO-VISUAL METHODS. |
| | Name of Person | - <u>Dr. Raymond F. Simpson</u> |
| | Description | - A three-pronged study of research needs into the techniques and results of educational planning in Hong Kong and drawing on some of the experiences in other South-East Asian areas; with special emphasis on secondary school physics teaching methodology and the use and development of audio-visual aids at various secondary levels. |
| | Date of Commencement | - June, 1968. |
| | Expected Date of Completion | - December, 1970. |

A - Educational Planning

Source of Finance	- Department of Education, University of Hong Kong and private sources.
<hr/>	
4. Name of Institution	- National Council of Educational Research and Training, New Delhi, India.
Title of Project	- INTENSIVE STUDY OF COMMUNITY DEVELOPMENT BLOCKS - 1968.
Name of Persons and Designation	- <u>Dr. M.B. Buch</u> - Head of Department, <u>K.N. Hiriyanniah</u> - Reader, <u>D.N. Abrol</u> - Lecturer, <u>C.L. Kaul</u> - Lecturer, <u>P.N. Arora</u> - Lecturer, <u>R.R. Saxena</u> - Lecturer.
Main Aim of Project	- To study intensively the origin, growth, development and existing educational facilities in some of the blocks keeping in view the historical, social, cultural and economic background of the area.
Description	- The study was conducted in various blocks and covered the socio-economic conditions of the area, the educational background of the community, industrial development in the area, other educational institutions in the block, community's contribution towards educational development in the block, community's reaction towards education and its aspiration. While there has been an overall improvement in this sector in all the blocks this is in varying degrees from block to block.
Date of Commencement	- May, 1968.
Expected Date of Completion	- March, 1969.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- The report has been mimeographed.
<hr/>	
5. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- A STRUCTURAL ANALYSIS OF CAREER CHOICES OF FORM IV STUDENTS IN 1969, IN RELATION TO THE SKILLED MAN-POWER REQUIREMENTS, AND THE EDUCATIONAL AND VOCATIONAL OPPORTUNITIES AVAILABLE IN KENYA.
Name of Person and Designation	- <u>Dr. B. Raju (Mrs.)</u> - Senior Lecturer in Educational Planning and Administration, Unesco Secondary Teacher Training Project.
Main Aim of Project	- Contribution to the Course on Educational Planning to student teachers.

A - Educational Planning

- Description - A study of career choices, in order of preference, of about 3,000 Form IV students appearing for their final examinations in 1969, from 36 secondary schools in Kenya. The sample is broken down into about 2,000 boys and 1,000 girls. A concurrent study of national manpower requirements, and available educational and vocational opportunities. Finally, an analysis will be undertaken of the correlation between career choices, available job opportunities and manpower requirements.
- Date of Commencement - May, 1969.
- Expected Date of Completion - January, 1970.
- Source of Finance - Not applicable as the project is part of lecturing duties.
- Method and Anticipated Date of Publication - Not envisaged.
-
6. Name of Institution - Department of Education, University College, Nairobi, Kenya.
- Title of Project - A STUDY OF THE ENGLISH PUBLIC SCHOOL TRADITION IN THE FORMER GOVERNMENT SECONDARY BOARDING SCHOOLS IN KENYA AND ITS INFLUENCE ON OTHER SECONDARY SCHOOLS.
- Name of Person and Designation - David Oxlade - Secondary School Teacher
- Date of Commencement - September, 1969.
- Expected Date of Completion - June, 1971.
- Source of Finance - Ministry of Education/private.
- Method and Anticipated Date of Publication - Not envisaged.
-
7. Name of Institution - Department of Education, University College, Nairobi, Kenya.
- Title of Project - DEVELOPMENT OF EDUCATIONAL ADMINISTRATION IN KENYA.
- Name of Person and Designation - Mrs. Rosalind W. Mutua - Education Officer, Ministry of Education.
- Date of Commencement - September, 1969.
- Expected Date of Completion - June, 1971.
- Source of Finance - Ministry of Education.
- Method and Anticipated Date of Publication - Not envisaged.

A - Educational Planning

Name of Institution	- Institute of Development Studies, University College, Nairobi, Kenya.
Title of Project	- FOLLOW-UP SURVEY OF THE EMPLOYMENT AND IN-SERVICE TRAINING OF UNIVERSITY AND SECONDARY SCHOOL LEAVERS IN KENYA. See K.4
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8. Name of Institution	- School of Education, University of Zambia.
Title of Project	- REPORT OF THE COMMITTEE ON POST-CAMBRIDGE SCHOOL CERTIFICATE STUDIES AND UNIVERSITY ENTRANCE.
Name of Persons and Designation	- A Committee of the Board of Studies, School of Education, comprising <u>Trevor Coombe</u> , Senior Lecturer in Education, and <u>David Stannard</u> , Lecturer in Education.
Main Aim of Project	- The terms of reference of the Committee were as follows: 'to assemble evidence from the school system and draw conclusions upon the desirability of re-introducing post-Cambridge Overseas School Certificate instruction in Zambian secondary schools as a preparation for entrance to the University of Zambia'.
Description	- The body of the report comprises a discussion of the probable condition of several salient aspects of the Zambian school system up to 1975. The discussion deals with the methodology and results of projections in the following areas: secondary enrolment and candidates for the Cambridge Overseas School Certificate examination; performance in the Cambridge examination; first-year full-time University of Zambia enrolment direct from school (degree candidates only); and the secondary teaching force. The report also contains an introduction and a conclusion, which recommends against the revival of large-scale post-COSC studies in the Zambian secondary system, at least until 1975. The report, which is mimeographed, consists of 36 pages of text and a 35-page appendix of tables and figures.
Date of Commencement	- March 26, 1969.
Expected Date of Completion	- September 19, 1969.
Source of Finance	- None required.
Method and Anticipated Date of Publication	- It is possible that the report will be published in more permanent form along with a selection of official and unofficial papers dealing with the question of the level of entrance to the University of Zambia.

A - Educational Planning

Publication probably in 1970, in an 'Occasional Paper' series of the University of Zambia.

Name of Institution	- School of Education, University of Zambia.
Title of Project	- TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. See M.9

9. Name of Institution	- School of Education, University of Botswana, Lesotho and Swaziland.
Title of Project	- SUPPLY AND DEMAND OF SECONDARY SCHOOL TEACHERS IN LESOTHO.
Name of Person and Designation	- <u>Mr. V.M. Bam</u> - Lecturer in Education.
Discription	- The project surveys the supply and demand of Secondary level teachers which are available to post primary schools and training colleges in Lesotho. The categories of teachers which are involved are locals (Lesotho nationals), missionaries, South African nationals (Africans), expatriate teachers and Volunteer teachers (Peace Corps and I.V.S.). Attention is also paid to the subject areas in which these teachers are engaged. The main emphasis of the research, however, is on the motivation and career aspects of teacher supply in Lesotho. Consequently the study tends to focus sharply on local teachers and local pre-service trainees at the University of Botswana, Lesotho and Swaziland as well as the Lesotho Training College. Both institutions train secondary level teachers.
Date of Commencement	- October, 1968.
Expected Date of Completion	- Mid-1971.

10. Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION.
Name of Person and Designation	- <u>Dr. Grace Alele Williams</u> - Senior Lecturer
Main Aim of Project	- To ascertain what type of people register for the N.C.E. and complete the training programme; to ascertain whether the N.C.E. programme is serving the objectives for which it was established.

A - Educational Planning

Description	- Computer analysis of data obtained from questionnaire to be completed by all students currently following the N.C.E. programme within this College to ascertain: (a) the age range, places of origin, parental education, personal educational background, previous working experience of the students; (b) whether there is any clash between their special interests and the courses they are in fact following; (c) whether more students would have been interested in pursuing science subjects had there been better opportunities to study these subjects earlier; (d) the motivation of students in undertaking the N.C.E. Course.
Date of Commencement	- November, 1968.
Expected Date of Completion	- Probably by December, 1969.
Source of Finance	- College Research Fund.
Method and Anticipated Date of Publication	- Publication uncertain.
<hr/>	
11. Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- FOLLOW-UP STUDY 1969.
Name of Person and Designation	- Project conducted by committee of Academic Board. Reference may be made to <u>Dr. A.R. Thompson</u> - Deputy Provost.
Main Aim of Project	- To evaluate the Nigeria Certificate in Education Programme of this College and to analyse the factors affecting its efficiency.
Description	- Computer analysis of data obtained from questionnaire to be completed by all graduates of the N.C.E., Programme since its auguration in order to ascertain: (a) the relationship between environmental and educational background of students and performance within the College; (b) the relationship of performance within the College to performance in the field; (c) the present activities, occupational, educational, social, cultural and recreational, of graduates of the College; (d) the considered opinions of graduates regarding the training and extra-curricular opportunities offered by this College.
Date of Commencement	- April, 1969.

A - Educational Planning

Expected Date of Completion	- Probably December, 1969.
Source of Finance	- College Research Fund.
Method and Anticipated Date of Publication	- Results will probably be published through an occasional paper of the University of Lagos.

12. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- THE PLACE OF INDIGENOUS EDUCATION IN THE PRESENT SYSTEM OF SCHOOL EDUCATION IN NIGERIA.
Name of Person and Designation	- <u>Dr. J.A. Majasan</u> - Associate Professor of Education.
Main Aim of Project	- To discover the common features in the various types of indigenous education within Nigeria and to see which of such features could be injected into the present system of school education which is almost entirely foreign.
Description	<p>- The research has completed an investigation on Yoruba Indigenous Education and would therefore wish to apply the methods of study to other major ethnic groups to discover similarities and differences. This would enable him to put forward proposals for relating the present school system particularly the primary school system to environment and culture.</p> <p>It will involve short periodic residence in each of the areas chosen to discuss with local research team set up for the purpose.</p>
Date of Commencement	- October, 1968.
Expected Date of Completion	- Depends on availability of funds.
Source of Finance	- Government or outside sources.
Method and Anticipated Date of Publication	- Not known.

13. Name of Institution	- United Nations Development Programme, Ghana.
Title of Project	- SCIENCE EDUCATION IN GHANA - A RETROSPECT AND PROSPECT.
Name of Person and Designation	- <u>Dr. J.J. Patel</u> - Unesco Expert.
Main Aim of Project	- The present study is undertaken with a view to reviewing the position, with regard to science education as it existed in the past, study the present set up and plans thoroughly and based on the tendencies of growth,

A - Educational Planning

Description	<p>estimate the financial, manpower and other physical requirements for a better science education programme in the country.</p> <p>- Science education plays a very important role in the life of a developing nation. Scientists in all walks, from agriculture and zoology, pass through a clearly defined and well organised science education programme in the schools of the country; and it is from here that we can bring about effective change to successfully meet with the future requirements of the country.</p> <p>The present study is subdivided into three sections:</p> <p>(a) Review of the position of Science education before independence i.e. before 1957.</p> <p>(b) Study of the position of Science education during independence i.e. after 1957.</p> <p>(c) Prospective planning for the coming years, say till 1980.</p>
14. Name of Institution	- University of London Institute of Education, Research Unit in the Economics of Education (in conjunction with the Higher Education Research Unit, London School of Economics).
Title of Project	- POST MORTEMMS OF MANPOWER FORECASTS.
Name of Persons and Designation	- <u>Professor Mark Blaug</u> - Professor of the Education; <u>Miss Maureen Woodhall</u> - Research Officer; <u>Mr. Kenneth Gannicott</u> - Research Officer; (in conjunction with <u>Mr. B. Ahmad</u> of L.S.E.)
Main Aim of Project	- To evaluate manpower forecasting as a tool for educational and manpower planning.
Description	- The purpose of the project is to assess the accuracy and the methodology of manpower forecasts in a number of countries. The method adopted so far is a series of critical evaluations of specific manpower forecasting exercises in different countries, and it is hoped to complete the project by writing a comparative evaluation of manpower forecasting experience. Post mortems have been completed, or are under way, of manpower forecasts in the following countries: U.K. (already published, see below), U.S.A., Canada, India, Sweden, Argentina.
Date of Commencement	- October, 1968.
Expected Date of Completion	- 1970.
Source of Finance	- Social Science Research Council.

A - Educational Planning

- Method and Anticipated Date of Publication - (i) already published: K. Gannicott, M. Blaug, "Manpower Forecasting since Robbins: A Science Lobby in Action", Higher Education Review, Autumn, 1969.
 (ii) final report, in book form, 1971.

15. Name of Institution - Institute of Development Studies, University of Sussex.
 Title of Project - STUDY OF MANPOWER PLANNING IN ANGLOPHONE AFRICA DURING THE LAST DECADE.
 Name of Person and Designation - Dr. Richard Jolly - Fellow of the Institute of Development Studies.
 Main Aim of Project - In the last decade, at least 25 Manpower Plans have been published in Anglophone Africa with projections of future requirements of educated manpower as a guide for government policy, particularly towards education. This Survey analyses the information on which these plans were based, the projection methodology used, and the key assumptions made. A critical evaluation is also being undertaken of eight studies of the rate of return to education in Africa. The purpose of the study is to draw lessons to improve planning methodology in the future.
 Date of Commencement - 1968.
 Expected Date of Completion - 1970.
 Source of Finance - Internal funds of the Institute of Development Studies.
 Method and Anticipated Date of Publication - Journal articles and a possible brief monograph.

16. Name of Institution - Institute of Education, University of Keele.
 Title of Project - A SURVEY OF EDUCATIONAL REPORTS AND WHITE PAPERS ON PRIMARY AND SECONDARY EDUCATION IN SINGAPORE, 1946-65.
 Name of Person and Designation - Habib Hussain B. Md. Yussuf.
 Expected Date of Completion - 1970.

17. Name of Institution - Department of Education, University of the West Indies, Jamaica.
 Title of Project - A QUANTITATIVE ASSESSMENT OF THE LEVELS OF EDUCATION REQUIRED IN GUYANA BY 1975.
 Name of Person and Designation - M. Kassim Bacchus - Lecturer.

A - Educational Planning

Name of Institution - Wisconsin State University.
Title of Project - LINGUISTIC IMPEDANCE AND DIALECT INTERFERENCE AMONG CERTAIN AFRICAN TRIBES.
See F.33

18. Name of Institution - Faculty of Education, University of Calgary, Canada.
Title of Project - A SERIES OF ARTICLES RELATING TO THE WORK OF CARNEGIE CORPORATION OF NEW YORK IN THE DEVELOPMENT OF EDUCATION IN AFRICA.
Name of Person - Dr. Richard D. Heyman
Main Aim of Project - To examine the role of a private foundation in influencing the course of educational development in English-speaking Africa in the twentieth century.
Description - This series of articles will cover the various aspects of Carnegie relationships with colonial and independent African governments, as well as with private individuals.
Date of Commencement - Research already done. Writing to begin in Spring, 1970.
Expected Date of Completion - First article, June 1970.
Source of Finance - None.
Method and Anticipated Date of Publication - In scholarly journals.

19. Name of Institution - Faculty of Education, University of Calgary, Canada.
Title of Project - A STUDY OF THE EFFECTS AND CONSEQUENCES OF EDUCATIONAL DISCRIMINATION IN FAVOUR OF SCHEDULED CASTES AND TRIBES IN INDIA 1950-1965.
Name of Person - Dr. Mathew Zacharias.
Date of Commencement - Spring, 1970.
Expected Date of Completion - Fall, 1972.
Description - (1) Examination of written sources;
(2) Interviews conducted in selected schools and colleges.

B - THEORIES AND HISTORY

History and Philosophy of Education; comparative education.

Name of Institution	- Department of Education, University of Canterbury, Christchurch 1, New Zealand.
Title of Project	- AN ATTEMPT TO QUANTIFY CRITERIA FOR ASSESSING LEVEL ON BEEBY'S BY COMPARISON OF PRIMARY EDUCATION SYSTEMS IN QUEENSLAND AND NEW GUINEA. See F.1

1. Name of Institution	- University of Sydney, New South Wales, Australia.
Title of Project	- THE HISTORY OF MISSION EDUCATION IN THE TERRITORY OF PAPUA AND NEW GUINEA FROM 1872 TO 1962, WITH SPECIAL ATTENTION TO THE YEARS 1932-1952.
Name of Person and Designation	- <u>Trevor G. Lloyd</u> -
Main Aim of Project	- This history is a description of the four consecutive phases of Mission native education in the Territory of Papua and New Guinea. Special consideration is given to the far reaching changes caused by the Second World War and their effects on the mission education system.
Date of Commencement	- 1965.
Expected Date of Completion	- 1969.
Method and Anticipated Date of Publication	- Thesis presented 1969.

2. Name of Institution	- Monash University, Australia.
Title of Project	- NATIONALISM AND WESTERN EDUCATION IN THE MAPHILINDO COUNTRIES.
Name of Person and Designation	- <u>Mrs. A.G. Zainu'ddin</u> - Lecturer in Education.
Main Aim of Project	- To make a comparative study of the development of nationalism and its relationship with Western education in three countries with differing colonial experiences but basic similarities in the pre-colonial era.
Description	- The main focus of interest is Indonesia but I am also interested in comparing and contrasting the Malayan situation with that

B - Theories and History

in Indonesia and the Philippines. I shall visit the three countries, meet those people engaged in planning and directing education, and interview as many as possible of these people and their contemporaries, particularly those whose own education was undertaken in colonial times.

Date of Commencement	- 1969.
Expected Date of Completion	- 1971-2.
Source of Finance	- Myer Foundation Grant-In-Aid; Monash University Study Leave.
Method and Anticipated Date of Publication	- Not as yet known.
<hr/>	
3. Name of Institution	- University of Adelaide, Australia.
Title of Project	- A HISTORY OF FULL-BLOOD ABORIGINAL EDUCATION IN SOUTH AUSTRALIA (with ref. to Northern Territory).
Name of Person and Designation	- <u>A.M. Hart</u> - Senior Lecturer at Western Teachers' College.
Description	- The history of culture-contact between full-blood Aborigines in South Australia shows many disastrous misunderstandings about education. The main aim of early educators was to "civilize the natives" which meant denying everything in their culture and trying to make them imitate the whites. Even those teachers who learned the language of the Aborigines were unable to adapt a curriculum to suit the needs of the children. Only in later years did some missions and government realise the value of segregating Aborigines from the more harmful vices and diseases of civilization and conserving something of value in their own culture. In this history the lessons learned over the years are underlined and recommendations made for Aboriginal education in the state at present.
Date of Commencement	- April, 1965 (official). (Planning started in November 1964).
Expected Date of Completion	- April, 1969.
Source of Finance	- Gift from S.A. Institute of Teachers for travel to the Northern Territory.
Method and Anticipated Date of Publication	- S.A.I.T. awaiting release of the thesis to determine whether they will publish it.
<hr/>	
4. Name of Institution	- Department of Education, University of Hong Kong.

B - Theories and History

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| Title of Project | - MISSIONARY SCHOOLS IN HONG KONG. |
| Name of Person and Designation | - <u>Chan Pui Sum</u> |
| Description | - An historical survey of the nature and development of missionary schools of various types of Hong Kong and an assessment of their value to the total educational field here. |
| Date of Commencement | - November, 1969. |
| Expected Date of Completion | - December, 1970. |
| Source of Finance | - Department of Education, University of Hong Kong, and private sources. |
-
5. Name of Institution - Department of Education, University of Hong Kong.
- Title of Project - HISTORY OF CATHOLIC EDUCATION IN HONG KONG SINCE 1842.
- Name of Person and Designation - Ignatius Tam
- Description - An historical account and appraisal of the contribution of Catholic education to the general educational scene in Hong Kong from 1842 to the present day.
- Date of Commencement - November, 1969.
- Expected Date of Completion - December, 1970.
- Source of Finance - Department of Education, University of Hong Kong and private sources.
-
6. Name of Institution - National Council of Educational Research and Training.
- Title of Project - ACHIEVEMENT IN MOTHER TONGUE AND SCIENCE - A PROJECT UNDER INTERNATIONAL COMPARISON OF EDUCATIONAL ACHIEVEMENTS (IEA).
- Name of Persons and Designation - Dr. A. Sharma - Reader,
Dr. A.B.L. Srivastava - Reader,
Mrs. S. Shukla - Reader.
- Main Aim of Project - Under this project, a study of the relationship between various 'input' variables like organisation of schools, training and attitudes of teachers, attitudes and background of students, some other national characteristics and achievement of children in schools in envisaged.
- Description - IEA is conducting a series of empirical studies in comparative education to enhance its understanding with regard to the relationship of some input variables in the field of education and actual achievement of the

B - Theories and History

schools. It is of the view that such studies can be conducted more fruitfully at cross national levels because in many countries some of the variable necessarily become constant and fail to have their contribution shown up in national studies.

The study is being conducted at four levels of school education, viz., the 10 years old, the 14 years old, the age at which compulsory education ends, and the last grade of secondary school. The children would be tested for their achievements in Mother Tongue, Science, Civics, French as a foreign language and English as a foreign language. India is participating in testing mother tongue in Science only.

Date of Commencement - 1966.
Expected Date of Completion - 1971.
Source of Finance - International Association for the Evaluation of Educational Achievement and National Council of Educational Research and Training.
Method and Anticipated Date of Publication - December, 1973.

7. Name of Institution - National Council of Educational Research and Training, India.
Title of Project - EQUALITY OF EDUCATIONAL OPPORTUNITY - A COMPARATIVE VIEWPOINT.
Name of Person and Designation - Dr. R.P. Singh - Reader.
Main Aim of Project - The causes enumerated by the Education Commission (1964-66) for the inequalities in educational opportunities in India have to be judged against background of the causes operative in other countries.
Description - The countries under study are U.S.A., U.K., U.S.S.R. and Nepal. This involves critical evaluation of the systems of education as represented by their literature.
Date of Commencement - March, 1969.
Expected Date of Completion - March, 1970.
Source of Finance - Funds of N.C.E.R.T.
Method and Anticipated Date of Publication - March, 1970.

8. Name of Institution - Department of Education, University College, Nairobi, Kenya.
Title of Project - HISTORY OF ASIAN EDUCATION IN KENYA 1886-1963.

B - Theories and History

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| Name of Person and Designation | - <u>Miss S. Shah</u> - Secondary school teacher. |
| Date of Commencement | - June, 1967. |
| Expected Date of Completion | - November, 1969. |
| Source of Finance | - Ministry of Education/private. |
| Method and Anticipated Date of Completion | - Not envisaged. |
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| 9. Name of Institution | - Department of Education, University College, Nairobi, Kenya. |
| Title of Project | - FOUNDATION AND DEVELOPMENT OF KABAA-MANGU HIGH SCHOOL. |
| Name of Person and Designation | - <u>John Osogo</u> - Education Officer, Ministry of Education, Government of Kenya. |
| Date of Commencement | - January, 1968. |
| Expected Date of Completion | - November, 1969. |
| Source of Finance | - Ministry of Education. |
| Method and Anticipated Date of Publication | - Not envisaged. |
| <hr/> | |
| Name of Institution | - Department of Education, University College, Nairobi, Kenya. |
| Title of Project | - A STUDY OF THE ENGLISH PUBLIC SCHOOL TRADITION IN THE FORMER GOVERNMENT SECONDARY BOARDING SCHOOLS IN KENYA AND ITS INFLUENCE ON OTHER SECONDARY SCHOOLS.
See A.6 |
| <hr/> | |
| 10. Name of Institution | - Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda. |
| Title of Project | - SOCIAL CHANGE, EDUCATION AND SOCIAL SECURITY IN KOKI, BUGANDA. |
| Name of Person | - Y.M.K. Gwayambadde. |
| Date of Commencement | - 1969. |
| <hr/> | |
| 11. Name of Institution | - Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda. |
| Title of Project | - THE SOCIOLOGY OF EARLY EDUCATION IN UGANDA. |
| Name of Person | - <u>C. Wallace</u> - |

B - Theories and History

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| 12. | Name of Institution | - Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda. |
| | Title of Project | - SOCIOLOGY OF EDUCATION IN UGANDA. |
| | Name of Person and Designation | - <u>S. Weeks</u> - Senior Research Fellow, Department of Sociology, 1969-71. |
| <hr/> | | |
| 13. | Name of Institution | - Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda. |
| | Title of Project | - NURSERY SCHOOLS, PRIMARY EDUCATION, AND SOCIAL STRATIFICATION IN KAMPALA. |
| | Name of Person and Designation | - <u>V.L.R. Maas</u> - |
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| 14. | Name of Institution | - Faculty of Education, Makerere University College, Uganda. |
| | Title of Project | - COMPARATIVE STUDY OF EDUCATIONAL DEVELOPMENTS IN TROPICAL AFRICA SINCE INDEPENDENCE. |
| | Name of Person and Designation | - <u>Eric Lucas</u> - Research Professor of Education. |
| | Main Aim of Project | - A comparative study of education in countries of Tropical Africa in the present decade. |
| | Description | - The main focus of the study is the continuing influence of British, French and American education thought and practice since Independence. The former Belgian and Portuguese countries will be left out of the survey. |
| | Date of Commencement | - September 1967. |
| | Expected Date of Completion | - 1971. |
| | Source of Finance | - Makerere University College and Ministry of Overseas Development. |
| | Method and Anticipated Date of Publication | - Book to be published, publication probably in 1970. |
| <hr/> | | |
| | Name of Institution | - United Nations Development Programme, Ghana. |
| | Title of Project | - SCIENCE EDUCATION IN GHANA - A RETROSPECT AND PROSPECT.
See A.13 |
| <hr/> | | |
| 15. | Name of Institution | - University of London Institute of Education. |
| | Title of Project | - PHYSICS EDUCATION PROGRAMMES IN SECONDARY SCHOOLS IN BRITAIN - A |

B - Theories and History

		COMPARATIVE STUDY OF THE CORRESPONDING PROGRAMMES IN INDIA.
Name of Person and Designation	-	<u>Ikram Ahmad</u> - Imperial Relations Trust Fellow.
16.	Name of Institution	- University of London Institute of Education.
	Title of Project	- SECONDARY EDUCATION IN THE UNITED KINGDOM AND INDIA - A COMPARATIVE STUDY.
	Name of Person and Designation	- <u>Mrs. Devki Tewari</u> - Government of India Fellow.
17.	Name of Institution	- Department of Comparative Education, University of London Institute of Education.
	Title of Project	- BRITISH COLONIAL POLICY ON EDUCATION AND AMERICAN TECHNICAL ASSISTANCE PROGRAMME IN WEST AFRICA - WITH SPECIAL REFERENCE TO UNIVERSITY EDUCATION IN GHANA.
	Name of Person	- <u>E. Ekuban.</u>
	Expected Date of Completion	- 1970-72.
18.	Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education.
	Title of Project	- PROBLEMS OF EDUCATION IN SOUTH EAST ASIA - WITH SPECIAL REFERENCE TO MALAYSIA AND THE PHILIPPINES.
	Name of Person	- <u>K. Koh.</u>
	Expected Date of Completion	- 1970-72.
19.	Name of Institution	- Institute of Education, University of Keele.
	Title of Project	- EDUCATIONAL HISTORY AND POLICY IN AFRICA.
	Name of Person and Designation	- <u>Professor G.N. Brown</u> - Director of Institute of Education.
	Description	- A historical examination of the various approaches that have been made to educational development on the continent, together with an attempt to derive lessons of value from them.
20.	Name of Institution	- Department of Educational Foundations, Faculty of Education, University of Calgary.
	Title of Project	- OUTLINE OF PROPOSED STUDY AT THE INTERNATIONAL INSTITUTE FOR EDUCATIONAL PLANNING.
	Name of Person a	- <u>Dr. Mathew Zachariah</u>
	Main Aim of Project	- To develop a systematic theoretical frame-

B - Theories and History

work for dealing with education in emerging countries from the perspective of their socio-economic development.

Description

- A review of approaches used in selected significant publications dealing with both comparative education and educational development. Examples: Don Adams and Robert M. Bjork. Education in Developing Areas. New York: David McKay, 1969; Harold J. Noah and Max A. Eckstein. Toward a Science of Comparative Education. New York: MacMillan, 1969.

Identification of significant policy matters which appear to be common in terms of educational growth and development in most developing nations.

Identification of relatively reliable reports and studies which illuminate facets of these policy matters.

Discussions on (a) the "teachability" and (b) the "researchability" of these policy questions. This implies exploration of the relationship of (a) social science and social policy; (b) "pure" and "applied" social science etc.

Method and Anticipated Date of Publication

- A paper which summarizes the results of the investigations listed above. It is hoped that this paper will become the basis for a book on comparative education from the perspective of socio-economic development.

Name of Institution

- Department of Educational Foundations, Faculty of Education, University of Calgary.

Title of Project

- A STUDY OF THE AFRICAN INDEPENDENT SCHOOLS MOVEMENT IN KENYA IN THE 1930's.

See D.9

C - METHODS OF ENQUIRY

Research methods; evaluation procedures

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| 1. | Name of Institution | - School of Education, University of the South Pacific, Suva, Fiji. |
| | Title of Project | - EDUCATIONAL TESTING. |
| | Name of Person and Designation | - <u>R.C. Honeybone</u> - Professor of Education. |
| | Main Aim of Project | - The School of Education has been given the of looking into the possibility of developing improved measures for educational assessment and selection in Fiji. |
| | Description | - Of prime importance is the development of a test of general ability. The normal test construction problems of developing countries are increased by the necessity to ensure that of test variance in the two major racial groups (Melanesian and Indian) are not too dissimilar. Initial results indicate that further problems may also be added by maturational and developmental differences, between urban and rural groups.

We have started one research project in the field of Educational Testing and will be setting up an assessment unit at the beginning of 1970. |
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|----|--------------------------------|---|
| 2. | Name of Institution | - Monash University, Australia. |
| | Title of Project | - CLASSIFICATION AND ORDERING SKILLS IN YOUNG CHILDREN. |
| | Name of Person and Designation | - <u>Miss Mary Creighton Nixon</u> - Senior Lecturer. |
| | Main Aim of Project | - (i) to establish whether test material used with Australian children could be used with indigenous children in the Territory of Papua - New Guinea;
(ii) if so, to obtain data for comparison purposes;
(iii) to apply findings to methods of teaching subjects in which the use of 'logical systems' is necessary. |
| | Description | - The first aim was investigated by testing standards (iii) Tolai children in the Gazelle Peninsula in New Britain on a cross classification task. They were able to carry this out at about the level of 7 years old white Australian children. The work has not proceeded further. |
| | Date of Commencement | - February, 1968. |

C - Methods of Enquiry

Expected Date of Completion	- No data available at present.
Source of Finance	- T.P.N.G. Education Department.
Method and Anticipated Date of Publication	- An interim report has been presented to the T.P.N.G. Education Department.
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3. Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN ENGLISH.
Name of Persons and Designation	- <u>Miss N. Ridgway</u> - Research Assistant, Educational Materials Centre. <u>Mrs. M. Roe</u> - Supervisor, and <u>consultants</u> .
Main Aim of Project	- To develop instruments to evaluate teaching and learning materials in English, particularly in the teaching of English as a second language, and to provide guidelines for field trials.
Description	- The development of preliminary evaluation forms for the range of teaching and learning materials in English - textbooks, supplementary readers, reading material, tapes and discs, films and film loops, etc. Forms used to determine the immediate use of the material in Papua and New Guinea, or where modification is necessary.
Date of Commencement	- March, 1969.
Expected Date of Completion	- August, 1969, but continuing with next stages.
Source of Finance	- University of Papua and New Guinea.
Method and Anticipated Date of Publication	- Not applicable.
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4. Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN SCIENCE.
Name of Persons and Designation	- <u>Professor Ernest Roe</u> - Professor of Education; <u>Mrs. M. Roe</u> - Supervisor, Educational Materials Centre; <u>A. Williams</u> - Unesco Science Adviser; and <u>consultants</u> .
Main Aim of Project	- To develop instruments to evaluate teaching and learning materials in science and to provide guidelines for field trials.
Description	- The development of preliminary evaluation forms for all kinds of teaching and learning materials for science received by the Educational Materials Centre - books, films and film loops, tapes and discs, apparatus and activity kits, models, etc. Forms used

C - Methods of Enquiry

- to determine immediate use of material for Papua and New Guinea, or where modification is necessary.
- Date of Commencement - October, 1968.
- Expected Date of Completion - March, 1969, but continuing with next stages.
- Source of Finance - University of Papua and New Guinea.
- Method and Anticipated Date of Publication - Not applicable.
-
5. Name of Institution - University of Papua and New Guinea.
- Title of Project - EVALUATION OF TEACHING AND LEARNING MATERIALS IN THE SOCIAL SCIENCES.
- Name of Persons and Designation - Professor Ernest Roe - Professor of Education;
Dr. G.A. Trevaskis - Senior Lecturer;
Mrs. M. Roe - Supervisor, and consultants.
- Main Aim of Project - To develop instruments to evaluate teaching and learning materials in the Social Sciences received by the Educational Materials Centre - books, films and film loops, slides and transparencies, tapes and discs, etc. Forms used to determine immediate use of material for Papua and New Guinea, or where modification is necessary.
- Date of Commencement - March, 1969.
- Expected Date of Completion - June, 1969, but continuing with next stages.
- Source of Finance - University of Papua and New Guinea.
- Method and Anticipated Date of Publication - Not applicable.
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6. Name of Institution - University of Papua and New Guinea.
- Title of Project - THE SCHOOL BROADCAST AS RESOURCE MATERIAL FOR EDUCATION IN PAPUA AND NEW GUINEA.
- Name of Person and Designation - Dr. G.A. Trevaskis - Senior Lecturer in Education.
- Main Aim of Project - To develop an evaluation instrument to (i) predict the effectiveness of the tape of a school broadcast, and (ii) determine its wider use as resource material in education in Papua and New Guinea.
- Description - The development of an instrument to evaluate the tape of a school broadcast and to suggest its use as a teaching and learning material in other levels of primary, secondary, technical/vocational, and tertiary education, as well as in educational activities carried out

C - Methods of Enquiry

	by other government departments - Public Health, Agriculture, District Administration, etc.
Date of Commencement	- April, 1969.
Expected Date of Completion	- May, 1969, but continuing study by the Centre.
Source of Finance	- University of Papua and New Guinea.
Method and Anticipated Date of Publication	- Not applicable.
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7. Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE TAPE AS TEACHING AND LEARNING MATERIAL IN HEALTH EDUCATION PROGRAMMES.
Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education.
Main Aim of Project	- To evaluate existing taped material for use in training programmes of the Department of Public Health for nurse assistants, first-aid post orderlies, etc.
Description	- At the request of the Division of Medical Training, the Educational Materials Centre has prepared a questionnaire for completion by all tutor sisters engaged in health education programmes at the major training hospitals in the country. The findings are the bases for the preparation of tapes for training purposes.
Date of Commencement	- May, 1969.
Expected Date of Completion	- July, 1969.
Source of Finance	- Department of Public Health.
Method and Anticipated Date of Publication	- Not applicable.
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8. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- EDUCATIONAL RESEARCH IN HONG KONG.
Name of Persons and Designation	- <u>Dr. Norman K. Henderson</u> and <u>W. Fisher-Short</u> .
Description	- A summary of the sampling methods and types of school populations involved, and other social and local issues in pursuing social research, of special use for reference by educational research personnel in Hong Kong.
Date of Commencement	- June, 1969.
Expected Date of Completion	- December, 1970.

C - Methods of Enquiry

Source of Finance	- Department of Education, University of Hong Kong and private sources.
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9. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- MODERN EXAMINING.
Name of Person and Designation	- Group of Local Examiners.
Description	- A summary and analytical and critical account of examining techniques, with examples and specially applied to Hong Kong's school examination system.
Date of Commencement	- September, 1969.
Expected Date of Completion	- June, 1971.
Source of Finance	- Department of Education, University of Hong Kong.
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10. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- CO-OPERATIVE TEST DEVELOPMENT PROJECT - INTELLIGENCE TEST.
Name of Persons and Designation	- <u>Dr. (Mrs.) Uma Sinha</u> - Reader, <u>Dr. K. Kulandaivel</u> - Principal, Sri Ramakrishna Mission Vidyalaya Teachers College, Coimbatore, <u>Dr. (Mrs.) K. Pramanik</u> - Principal, <u>Institute of Education for Women</u> , Calcutta, <u>Dr. N.P. Pillai</u> - Professor of Education, Kerala University, Kerala.
Main Aim of Project	- The main aim of the project is to develop four group tests of intelligence each with a parallel form and partial overlap for the ages 7+ to 9+, 9+ to 11+, 13+ to 16+ and 11+ to 13+.
Description	- Four tests each with a parallel form from the above four age levels are being developed. There is an overlap of age between the two consecutive age levels. This is to develop one scale of intelligence from 7+ to 16+ by scaling the adjacent level tests so that prediction of the scores on later tests may be made on the basis of scores on earlier tests. The tests are for Verbal Educability Factor. They will thus be verbal and quantitative items so that they give two separate scores for V and N in addition to one general score. The tests are being developed in three languages, i.e. Malayalam, Tamil and Bengali. Later on the tests will be adopted to other Indian languages so that we have intelligence tests at national level.

C - Methods of Enquiry

Date of Commencement	- November, 1966.
Expected Date of Completion	- March, 1971.
Source of Finance	- Funds of N.C.E.R.T.
Method and Anticipated Date of Publication	- The report will be published by NCERT sometime during 1971.

11. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- CO-OPERATIVE TEST DEVELOPMENT PROJECT - INTEREST INVENTORY.
Name of Persons and Designation	- <u>Dr. (Mrs.) Uma Sinha</u> - Reader, <u>Professor B. Krishnan</u> - Professor of Psychology, Mysore University, <u>Professor M. Y. Bhide</u> - Vice-Principal, Sadhna School of Educational Research and Training, Bombay. <u>Dr. B. De</u> - Director, Bureau of Educational and Vocational Guidance, Patna, <u>Mr. V.G. Jhingran</u> - Principal, D.S. College, Aligarh.
Main Aim of Project	- To develop a vocational Interest Inventory with scales for a number of occupations.
Description	- The vocational interest inventory which is being developed is for the age group 14-25. The inventory is not on any existing model. New types of items are being tried. 13 occupational areas, namely Social Services, Economics, Secretarial, Administrative, Technical, Outdoor Physical, Scientific, Linguistic Literary, Arts and Entertainment, Protective, Educational, Medical and Religious have been taken into account while developing the items. Scales for only eight to ten such occupations which are likely to absorb relatively larger numbers of individuals will be developed.
Date of Commencement	- November, 1966.
Expected Date of Completion	- March, 1971.
Source of Finance	- N.C.E.R.T. funds.
Method and Anticipated Date of Publication	- The preliminary report will be published by the NCERT some time in 1971.

12. Name of Institution	- National Council of Educational Research Training, India.
Title of Project	- DIFFERENTIAL APTITUDE TESTS.
Name of Persons and Designation	- <u>Mrs. S. Shukla</u> - Reader, <u>P.M. Patel</u> - Lecturer, <u>J.P. Mittal</u> - Technical Assistant.

C - Methods of Enquiry

Main Aim of Project	- To develop a Differential Aptitude Test Battery for the Hindi-speaking region for allocation of students to various courses being offered at the higher secondary stage.
Description	- It is planned to improve upon and standardize a series of tests - already developed initially in one of the States in India for a small geographical region - in verbal, numerical and spatial abilities for students of age group 13 to 14. The initial spade work has already been done. This battery would be standardized for the entire Hindi-speaking region. Differential validity would be made available to the users.
Date of Commencement	- March, 1969.
Expected Date of Completion	- March, 1972.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- 1973.
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13. Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- THE INTELLECT OF EAST AFRICAN STUDENTS.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- Investigation based on the assumption that the structure of intellect is independent of race and religion, but dependent on education and experience, was conducted using an East African sample from undergraduates and high school certificate students.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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14. Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- THE MATHEMATICAL ABILITY OF EAST AFRICAN STUDENTS.

C - Methods of Enquiry

Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- A battery of various mental ability tests was selected to investigate the mathematical aptitude of junior secondary school students.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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15. Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- THE PERSONALITY OF EAST AFRICAN STUDENTS.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- Investigation was carried out using the I.P.A.T. Sixteen Personality Factor Questionnaire developed by R.B. Cattell and others. The aim was to investigate possible significant deviations in East African personality factors from American standards.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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16. Name of Institution	- School of Education, University of Botswana, Lesotho and Swaziland, Lesotho.
Title of Project	- EVALUATION OF SUCCESS OF UPGRADING PROGRAMME FOR UNQUALIFIED PRIMARY SCHOOL TEACHERS.
Name of Person and Designation	- <u>Professor J.D. Turner</u> - Director, School of Education.

C - Methods of Enquiry

Description	- An attempt is being made to test the effectiveness of an upgrading course for unqualified primary school teachers. The course consists of a series of three 3-week courses at annual intervals, together with assignment work during the remainder of the year. Two intakes have now completed the course and it is hoped to discover to what extent the project has been successful.
Date of Commencement	- 1968.
Expected Date of Completion	- 1970.

17. Name of Institution	- The West African Examinations Council, Lagos, Nigeria.
Title of Project	- FEASIBILITY OF THE MRC 1501 ANSWER CARD.
Name of Person and Designation	- <u>Dr. D.J. Fitch</u> - Technical Adviser.
Main Aim of Project	- To investigate the feasibility of using the 1501 in West Africa.
Description	- To investigate the feasibility of using the 1501 in West Africa, the Research Evaluation, and Statistical Analysis Section has designed a study. The Measurement Research Corporation has provided 1501 answer cards of a standard design. These were used in the States of Northern Nigeria to administer a form of the CEE. The same test was administered in other schools using the 1230 sheet. The study will allow us to compute test-retest and parallel forms reliability using each document and thereby make an important comparison.
Date of Commencement	- July, 1969.
Expected Date of Completion	- December, 1969.
Source of Finance	- W.A.E.C. and USAID.
Method and Anticipated Date of Publication	- TEDRO Report December, 1969.

18. Name of Institution	- West African Examinations Council, Lagos, Nigeria.
Title of Project	- FORCED CHOICE RATING FORMS.
Name of Persons and Designation	- <u>Dr. D.J. Fitch</u> - Technical Adviser, <u>Dr. S.A. Akeju</u> - Principal Research Officer.
Main Aim of Project	- To develop a forced choice rating form for nurses.
Description	- With the usual rating procedure one is asked to evaluate the ratee in terms of his position

C - Methods of Enquiry

on several trait scales. Typically such scales have five points. One might be asked to say if the ratee were (a) very hard working (b) moderately hard working (c) average (d) moderately lazy or (e) very lazy. The main trouble with such a rating form is that he can make a ratee "look good" or "look bad". He typically is motivated to make a ratee "look good" but not too good. He reasons that other raters who are rating other people have similar motives and he wants his ratees to generally compare favourably with those of other raters but he is not sure how the other will rate so he does not know how to rate his own ratees. What would be desirable would be a form which would allow an accurate and honest description of behaviour that would not require or allow the rater to directly make good-bad decisions. The forced choiced rating form meets this need.

Date of Commencement - Within the next year.

Expected Date of Completion - Not known.

Source of Finance - W.A.E.C. and USAID.

Method and Anticipated Date of Publication - TEDRO Reports.

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19. Name of Institution - The East African Examinations Council, Lagos, Nigeria.
- Title of Project - GAMBIA COMMON ENTRANCE EXAMINATION.
- Name of Person and Designation - Dr. D.J. Fitch - Technical Adviser
- Main Aim of Project - To provide information on the extent to which the tests developed in Nigeria are appropriate for use in The Gambia.
- Description - The same CEE test has been used in the Gambia and Nigeria. Headmasters in the Gambia have asked us if we can provide them with any information on the extent to which these tests developed in Nigeria are appropriate for use in the Gambia. We plan to undertake reliability studies using 1969 data from the two countries separately. A validity study is also being conducted in the two countries.
- Date of Commencement - August, 1969.
- Expected Date of Completion - December, 1969.
- Source of Finance - W.A.E.C. and USAID.
- Method and Anticipated Date of Publication - TEDRO Report - December, 1969.

C - Methods of Enquiry

20. Name of Institution - The West African Examinations Council, Lagos, Nigeria.
- Title of Project - LIFE HISTORY QUESTIONNAIRE FOR THE SELECTION OF NURSES.
- Name of Persons and Designation - Dr. D.J. Fitch - Technical Adviser, C.O. Agbenyega - Principal Research Officer.
- Main Aim of Project - Selection of nurses in Ghana and Nigeria.
- Description - Life history questionnaires have been found useful in a variety of selection situations, and it seems reasonable to investigate its possibilities for use in nurse selection. The questionnaires will be developed for measuring some of the personality and motivational traits related to success in nursing. The tests used at present measure only aptitudes, but it is reasonably believed that there are traits other than what are measured by ordinary aptitude tests that are important for success in nursing, hence the idea. There will be two studies - concurrent and predictive. Concurrent study tests would be for nurses on the job, while the predictive study would be long range.
- Date of Commencement - March, 1969.
- Expected Date of Completion - First phase January, 1970.
- Source of Finance - W.A.E.C. and USAID.
- Method and Anticipated Date of Publication - TEDRO Reports. First report January, 1970.
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21. Name of Institution - The West African Examinations Council, Lagos, Nigeria.
- Title of Project - STUDIES OF THREE EXPERIMENTAL DEXTERITY TESTS DESIGNED TO BE MACHINE SCORED.
- Name of Persons and Designation - Dr. J.G. Snider - Acting Director, Dr. A.I. Fiks - Technical Adviser.
- Main Aim of Project - A method to permit quick scoring of group administered paper and pencil dexterity tests.
- Description - Of the 21 ID tests all but three - Manual Dexterity, Finger Dexterity and Marking are designed to be scored on the IBM1230. These tests must be scored by hand. Such hand scoring is very time consuming. The tests cannot therefore be used in large testing programs, even though it might be desirable to have the information provided by these tests. Experimental machine scorable forms of these three tests were designed. They were, along with two other machine scorable dexterity tests administered to 58

C - Methods of Enquiry

applicants for jobs as packers. Reliabilities and inter-correlations were computed. The new tests had an average reliability of .83 as compared with an average of .91 for the three ID tests. However the average correlation matching experimental test and ID tests was found to be only .14. This means that whatever the new tests measure - and they seem to measure it with fairly good reliability - it is only slightly related to what the ID tests measure. These results strongly suggest that validity studies are needed. Also as reliability would depend on the condition of the 1230 and of the type of pencil used by the examinee, further research studies will be undertaken to investigate these factors.

Date of Commencement	- April, 1968.
Expected Date of Completion	- April, 1970.
Source of Finance	- W.A.E.C. (TEDRO); USAID.
Method and Anticipated Date of Publication	- Published as tests. Late 1970.
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22. Name of Institution	- The West African Examinations Council, Lagos, Nigeria.
Title of Project	- TESTS FOR THE SELECTION OF AGRICULTURAL WORKERS.
Name of Persons and Designation	- Dr. D.J. Fitch - Technical Adviser, <u>T.O. Oyerinde</u> - Research Fellow.
Main Aim of Project	- To conduct research on the selection of agricultural extension workers.
Description	- The problem is interesting in that it is suspected that motivational-interest variable are more important than aptitudes. There is even some evidence which would suggest finding within present extension workers, a negative correlation between general aptitude, as would be measured by ID tests, and rated on-the-job success. R.K. Harrison in his study - <u>Work and Motivation: A study of Village-level Agricultural Extension Workers in the Western State of Nigeria</u> found that the better workers were older and less well educated. A battery of ID tests will be tried along with a specially developed life history questionnaire and perhaps interest and values scales in a study similar to the nurses study.
Date of Commencement	- Within the next year.
Expected Date of Completion	- Not known.
Source of Finance	- W.A.E.C. and USAID.

C - Methods of Enquiry

Method and Anticipated Date of Publication	- TEDRO Reports.
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23. Name of Institution	- The West African Examinations Council, Lagos, Nigeria.
Title of Project	- VALIDATION OF ACHIEVEMENT TESTS.
Name of Person and Designation	- <u>Dr. D.J. Fitch</u> - Technical Adviser.
Main Aim of Project	- Validation studies to increase the accuracy and efficiency by which achievement can be measured.
Description	- A review of the Godschalk, Swineford and Coffman study undertaken at ETS and published in 1966 will be carried out with subject matter panels. From this will be developed a highly reliable and valid a achievement criterion for their subject and a large experimental battery of short traditional and objective papers. The cri- terion measure would be given to a sample of a few hundred students along with the experimental battery. Papers of the battery would be validated against the criterion and a subset of papers predicting the criterion would be selected. The possibilities of increasing the accuracy and efficiency by which achievement can be measured are very large by means of such research.
Date of Commencement	- Hopefully in the near future.
Expected Date of Completion	- Not known.
Source of Finance	- W.A.E.C. and UNSAID.
Method and Anticipated Date of Publication	- TEDRO Reports.
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24. Name of Institution	- The West African Examinations Council, Lagos, Nigeria.
Title of Project	- STANDARD AND SIDE BY SIDE ANSWER SHEETS.
Name of Person and Designation	- <u>Dr. D.J. Fitch</u> - Technical Adviser.
Main Aim of Project	- Designing of standard answer sheets that could be used with most or all of our tests.
Description	- On large testing programs it is highly desir- able to have answer sheets computer printed with the candidate's name and his index number grid printed in a machine readable form. When such answer sheets are returned for scoring the candidate's number along with his scores are punched into a card. If the candidate himself had marked the index

C - Methods of Enquiry

number grid there would be a chance that a mistake would be made. This could mean losing the candidate's scores or, worse still, assigning one candidate's scores to another candidate. A difficulty with such computer printing is that it is quite time consuming. One can expect to print less than 1,000 per hour. Such printing can be done at twice the speed if answer sheets are reprinted side by side.

Date of Commencement	- February, 1968.
Expected Date of Completion	- Studies expected to continue indefinitely.
Source of Finance	- W.A.E.C. and USAID.
Method and Anticipated Date of Publication	- No reports planned.
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25. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- PREPARATION AND STANDARDIZATION OF READING TESTS FOR NIGERIAN SCHOOL CHILDREN.
Name of Person and Designation	- <u>Dr. John O.O. Abiri</u> - Lecturer of Education.
Main Aim of Project	- To prepare a set of standardized Reading Tests (initially in English, but possibly in at least one of the major Nigerian languages later) which may be used for grading, selection selection, and comparative assessment of pupils' achievements in reading.
Description	- Writing, trial runs, and standardization of test materials.
Date of Commencement	- As soon as fund are available.
Expected Date of Completion	- About two years from date of commencement.
Source of Finance	- None yet.
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26. Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- ADAPTING OBJECTIVE TESTS FOR LOCAL USE.
Name of Person and Designation	- <u>Dr. E.A. Yolo</u> ye - Lecturer in Education.
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27. Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- EVALUATION OF THE AFRICAN PRIMARY SCHOOL SCIENCE PROGRAMME.
Name of Person and Designation	- <u>Dr. E.A. Yolo</u> ye - Lecturer in Education

C - Methods of Enquiry

28. Name of Institution - University of the West Indies Institute of Education, Jamaica, W.I.
- Title of Project - ARITHMETIC TEST REPORT.
- Name of Person and Designation - Helen M. Vinansky - Institute of Education.
- Description - As a part of the Mathematics Project by the Ministry of Education, Jamaica, and the University of the West Indies Institute of Education, an initial testing programme was carried out in a specific number of schools during October 1967.
- Testing Instrument was constructed based on the Arithmetic Computation part of the Stanford Achievement Test, Intermediate Battery Complete, Form K, 1953. It was originally designed to test students at one junior secondary school to determine who were in need of the remedial work.
- It consists of 45 examples ranging from the simple to the more difficult in the area of addition, subtraction, multiplication, division, fractions, decimals and money.
- There are also four miscellaneous items on time, capacity, percentage and average. The test was not standardized for Jamaican students as a whole and therefore poses certain limitation.
- Schools Tested 641 seventh grade students in different parts of the island as well as First Year students in one Teachers' College.
- Date of Commencement - 1967.
- Expected Date of Completion - 1973 and possibly later.
- Source of Finance - Jamaica Government; U.S. Peace/Corps Volunteers; U.W.I. Institute of Education provides one of the project Directors.
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29. Name of Institution - University of the West Indies Institute of Education, Jamaica, W.I.
- Title of Project - EVALUATION OF AN ORIENTATION WORKSHOP: A PHASE OF CURRICULUM DEVELOPMENT IN MATHEMATICS.
- Name of Person and Designation - Desmond Broomes - Research Fellow
- Main Aim of Project - Study attempts to show how evaluation of a workshop fits into mathematics curriculum building in St. Lucia.
- Two considerations motivated the planning and execution of the orientation workshop
- 1) what is mathematics

C - Methods of Enquiry

- 2) what constitute curriculum changes in mathematics.

The workshop was to enable participants:

- (a) to become acquainted with the philosophy of the mathematics programme
- (b) to understand the scope and aims of the St. Lucia Mathematics Project
- (c) to study and use the teacher's manual and the pupil's workbook
- (d) to plan and construct teaching devices (charts, aids etc.) for use in the Grade 1 programme
- (e) to study the functions of aids and other concrete materials in the Grade 1 programme and to acquire skills in using them properly.
- (f) to acquire and/or reinforce basic mathematical ideas relevant to the Grade 1 programme.

The main hypothesis was that those who underwent the experiences of the workshop would be better able to use the new curriculum materials.

Description

- The design used was a time-series design where measures of certain characteristics of a population were taken at certain intervals and one of these intervals included the experimental treatment. A t statistic was used to test the hypothesis of change before and t_2 after the experimental treatment. And a X^2 was used to test significance of information collected by questionnaires at the end of each day of the workshop. Data for this study was collected by administering four specially prepared tests on mathematics understanding; on physical, mental and emotional growth of 5-6 year olds; on teaching and learning mathematics to 5-6 year olds; on attitude to mathematics - to 84 teachers attending the workshop.

Date of Commencement - 1966.

Expected Date of Completion - On-going project. No date set.

Source of Finance - St. Lucia Government with Project. Co-ordinator provided by the U.W.I. Institute of Education.

D - ADMINISTRATION AND ORGANISATION

Educational administration and organisation; relations
intra-governmental and non-governmental; auxiliary services.

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| 1. | Name of Institution | - University of Western Australia. |
| | Title of Project | - THE ADMINISTRATION OF EDUCATION IN DEVELOPING COUNTRIES. |
| | Name of Person and | - <u>Dr. Roy Adam, M.A., M.Ed., Ph.D., F.A.</u>
<u>F.A.C.E.</u> , - Senior Lecturer in Educational
Administration, University of Western
Australia. |
| | Main Aim of Project | - An analysis of the problems of administration of education in Asia and Africa, with special reference to the political context of education. |
| | Description | - This is a continuing project which studies the problems concerned with the administration of primary, secondary and tertiary education, with particular reference to South-East Asian countries. |
| | Date of Commencement | - 1966. |
| | Expected Date of Completion | - Continuing project. |
| | Source of Finance | - The Social Sciences Research Council of Australia; The National Union of Australian University Students; The University of Western Australia. |
| | Method and Anticipated Date of Publication | - Per journal as each subject area is covered.
- (14 articles have been published to date). |
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| 2. | Name of Institution | - Research Unit, Ministry of Education, Singapore. |
| | Title of Project | - STATUS SURVEYS OF THE NEEDS AND PROBLEMS OF SCHOOLS. |
| | Name of Person and Designation | - <u>Dr. Ruth Wong</u> - Director of Research. |
| | Description | - These projects will be associated with the teaching of Mathematics and Science in the Second Language. Two of these projects will be commenced in Secondary Integrated Schools and two in Primary Integrated Schools. Each Integrated School in Singapore carries two linguistic streams. Out of the main studies of the teaching of Mathematics and Science will be the derived studies on the organisation of pupils into mixed linguistic groups in a non-graded context and the relationships between children of different linguistic groups and their |

D - Administration and Organisation

respective social behaviours manifested in the classroom, when mixed.

	<p>Name of Institution - National Council of Education Research and Training, India.</p> <p>Title of Project - INTENSIVE STUDY OF COMMUNITY DEVELOPMENT BLOCKS - 1968. See A.4</p>
3.	<p>Name of Institution - National Council of Educational Research and Training, India.</p> <p>Title of Project - A STUDY IN UNIT COST AT SCHOOL STAGE IN INDIA.</p> <p>Name of Person and Designation - <u>H.N. Pandit</u> - Reader.</p> <p>Main Aim of Project - To determine the cost of education according to size of an institution, by the various types of specialisations, regions, etc. for different States in the country.</p> <p>Description - A seminar has been organised and a full report of the papers contributed is being published by the NCERT under the title "Measurement of Cost, Productivity and Efficiency of Education". The State Governments of Maharashtra, Andhra Pradesh and Rajasthan have set up committees for study of costs in their respective States and NCERT is playing an advisory role to these committees. Action in the direction by other States is in progress.</p> <p>Date of Commencement - 1966.</p> <p>Expected Date of Completion - 1971.</p> <p>Source of Finance - Funds of N.C.E.R.T.</p> <p>Method and Anticipated Date of Publication - The report on the seminar will be out by the end of November, 1969. State reports and general report is expected to be ready by the end of 1971.</p>
4.	<p>Name of Institution - National Council of Educational Research and Training, India.</p> <p>Title of Project - A STUDY OF COST OF EDUCATION IN INDIA - 1950-51 TO 1960-61.</p> <p>Name of Persons and Designation - <u>Professor M.V. Mathur</u> - Project Director, <u>Gurbaksh Singh</u> - Principal Investigator, Z Research Associates. Editor H.N. Pandit.</p> <p>Main Aim of Project - To study variations in cost of education according to various institutions, State Governments and different types of managements.</p>

D - Administration and Organisation

Description	- The data have been collected from the unpublished report of the Ministry of Education and various sources. Clear trends have been established with respect to allocation of educational expenditure in relation to GNP, State and Central budgets and the resources of District Board and Municipal Corporation.
Date of Commencement	- 1964.
Expected Date of Completion	- 1969.
Source of Finance	- Funds of N.C.E.R.T.
Method and Anticipated Date of Publication	- The report will be printed by March, 1970.
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Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- DEVELOPMENT OF EDUCATIONAL ADMINISTRATION IN KENYA. See A.7
Name of Institution	- School of Education, University of Zambia.
Title of Project	- REPORT OF THE COMMITTEE ON POST-CAMBRIDGE SCHOOL CERTIFICATE STUDIES AND UNIVERSITY ENTRANCE. See A.8
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5. Name of Institution	- Njala University College, University of Sierra Leone, Sierra Leone.
Title of Project	- DEMOCRATIC IDEALS AND THE ADMINISTRATION OF SECONDARY SCHOOLS AND TEACHER TRAINING COLLEGES IN SIERRA LEONE.
Name of Person and Designation	- <u>Dr. R. Ogbonna Ohuche</u> - Senior Lecturer, Teacher Education Director, Experimental School.
Main Aim of Project	- To find out how educational administrators in a nation with a political democracy and traditional subcultures respond to democratic administration.
Description	- Using a modified form of the Leader Behaviour Description Questionnaire designed by the Personnel Research Board at Ohio State University, evidence is being collected on the role of school principals and principals of teacher training colleges (in Sierra Leone) as leaders. Two dimensions of leader behaviour, initiation and consideration are taken into account. Data shall be analyzed statistically.
Date of Commencement	- September, 1968.

D - Administration and Organisation

Expected Date of Completion	- August, 1969.
Source of Finance	- Research and Publications Committee of Njala University College.
Method and Anticipated Date of Publication	- Submission to Journal early 1970.
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6. Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education.
Title of Project	- CONTRIBUTION OF PRIVATE INSTITUTIONS TO EDUCATIONAL DEVELOPMENT IN E. NIGERIA 1925/1965.
Name of Person and Designation	- <u>U. Onwuka</u>
Date of Commencement	- 1966.
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7. Name of Institution	- Institute of Education, University of Keele.
Title of Project	- EDUCATION AND ETHNIC PROBLEMS IN SINGAPORE, 1959-69.
Name of Person	- <u>A. Ng Lian Timn</u>
Expected Date of Completion	- 1970.
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8. Name of Institution	- University of the West Indies Institute of Education.
Title of Project	- CARNEGIE PROJECT IN SCHOOL ORGANISATION.
Name of Person and Designation	- <u>Dr. J.A. Maraj</u> - Resident Representative, St. Augustine.
Main Aims of Project	- (a) To determine whether semi-specialist approach to teaching (with additional features of co-operative planning, remedial enrichment work and flexible grouping) has any significant advantage over conventional "one-teacher-one-class" arrangement in terms of pupils' academic progress; (b) To ascertain whether the attitudes of the teacher undergo any significant change in this type of teaching situation; (c) To examine efforts in curriculum development consequent upon the new organisational pattern; (d) To determine the extent of social and emotional development of pupils and the areas in which change of attitude on their part is most noticeable; (e) To determine whether the school functions more readily in an integrative community; (f) To determine national norms in the basic subjects for different year groups.

Basic Description

- A number of 'project' schools operate on a semi-specialist basis using techniques of flexible grouping and co-operative planning and embodying remedial instruction and enrichment activities. Five schools were selected in Trinidad which has a larger primary system with more resources and greater educational sophistication and 3 in Grenada which is smaller and less well developed and is representative of most of the smaller Caribbean territories.

Essentially the day is divided into two parts - a morning session lasting 3 hours and an afternoon session of 2½ hours duration. During the morning session regular class teachers taught Mathematics, Language Arts and Social Studies. Less experienced teachers received help from trained teachers in preparation and presentation of lessons.

In the afternoon remedial work was undertaken with slow learners by trained teachers. The less experienced teachers engaged in enrichment activities with the remainder of the classes and such subjects and music were taken "across grades".

An equal number of 'comparable' schools were also selected each bearing similarities to a project school as regards location, enrolment facilities, educational background of pupils, quality of staff etc. The same curriculum was used but there was the traditional "one-teacher-one-class" arrangement.

All schools received only the normal supplies of resource materials for teachers were provided by the Government Agency concerned.

"Project" schools were selected on the following criteria:

1. They were to be truly representative of the School System in terms of staff and facilities and geographically distributed to ensure that no section of the community was left out.
2. Government, christian and non-christian schools were to be represented.
3. The primary department i.e. standards 1-V, should have an enrolment of not less than 400.

Method

- Two surveys were undertaken. The first was a general survey which collected information on the curriculum, classroom practice with special reference to the teaching-learning situation presentation of subject matter, effective use of time, discipline and control of pupils, availability and use of

D - Administration and Organisation

teaching aids, evidence of group work, teacher-pupil reaction, pupil-pupil reaction and extra-curricular activities. The second survey studied existing facilities in the fields of art and craft, music and physical education, the pattern of organisation to meet the requirements of the above subjects and the attitude of principal and teachers towards the teaching of these subjects.

As a result of these surveys suggestions were made for regrouping of pupils for more effective instruction. The "Minnesota Teacher Attitude Inventory" was administered to participating teachers. At the beginning of the first term specially prepared tests in Mathematics, Language Arts, General Science and Social Studies were administered to pupils in both sets of schools.

There was no partiality either in the number of visits to a school or in the degree of supervision. In the "project" schools particular attention was paid to the organisational pattern which was being followed. The project is continuously being evaluated by an officer provided by the Trinidad and Tobago Government.

Date of Commencement - December, 1967.
Expected Date of Completion - 1971.
Source of Finance - Carnegie Corporation of New York. Trinidad and Tobago Government provides one Supervisor and pays his expenses and salary.

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9. Name of Institution - Department of Educational Foundations, Faculty of Education, University of Calgary.
Title of Project - A STUDY OF THE AFRICAN INDEPENDENT SCHOOLS MOVEMENT IN KENYA IN THE 1930's.
Name of Person - Dr. Richard D. Heyman
Main Aim of Project - To analyse in its socio-educational aspect, African independent schools as they developed in Kenya in the colonial period.
Description - An analysis of the formation, structure, curriculum and personnel of the independent schools movement in Kenya and how it reflected African aspirations and African feelings regarding the formal educational system then operating in Kenya.
Date of Commencement - Some research already completed, but research in Kenya will be necessary.

D - Administration and Organisation

Expected Date of Completion - September, 1971.
Source of Finance - Not yet available.
Method and Anticipated Date of Publication - Articles in scholarly journals and possibly in book form together with further studies of independent schools movements elsewhere in Africa.

E - STUDENTS' BACKGROUND AND CHARACTERISTICS

Socio-economic background; aptitude; motivation; personality; attitudes; opinions; values; physical and mental health; nutrition; child development.

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| 1. | Name of Institution | - Department of Education, University of Queensland, Australia. |
| | Title of Project | - A STUDY OF CHILD GROWTH AND DEVELOPMENT IN ABORIGINES. |
| | Name of Person and Designation | - <u>Donald Williams</u> |
| | Main Aim of Project | - Study of child growth and development of Aborigines at Elcho Island. |
| | Description | - This work is concerned with a study of educational influences on the process of acculturation among the Aborigines of Elcho Island. The group to be studied is tribally oriented. Full-blood Aboriginal population in Arnhemland, and all interviewing is being conducted in the vernacular. The author was for six years Head Teacher of the Mission School on Elcho Island. |
| | Date of Commencement | - September, 1967. |
| | Expected Date of Completion | - 1970. |
| | Source of Finance | - Institute of Aboriginal Studies, Commonwealth Public Service. |
| | Method and Anticipated Date of Publication | - Ph.D. Thesis. 1970. |
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| 2. | Name of Institution | - Department of Education, University of Queensland, Australia. |
| | Title of Project | - A CROSS-CULTURAL STUDY OF THE DEVELOPMENT OF COGNITIVE STRUCTURES IN UNIVERSITY STUDENTS WITH SPECIAL REFERENCE TO ASIAN STUDENTS IN THE UNIVERSITY OF QUEENSLAND. |
| | Name of Person and Designation | - <u>Mrs. D.M. Keats</u> - |
| | Main Aim of Project | - To study the educational development of Asian students in an Australian university over a period of three years and to evaluate this in relation to the development of a group of Australian students doing similar courses during the same period. |
| | Description | - The students were given a non-verbal intelligence test (Raven Progressive Matrices 1947), a verbal comprehension test |

E - Students' Background and Characteristics

(Co-operative Reading Test B2 Form Y), the Rothwell-Miller Vocational Interest Inventory, and the Rohde Sentence Completions Test, and were interviewed using a tape recorder. This programme was repeated in part in the second year and in full in the third year. Background data were obtained from a questionnaire administered to a large group of first year students.

A Lewinian orientation was used to make cross-cultural comparisons. Regions were identified in which similarities or differences could be shown between the Asians and the Australians, between the first and third year, and between successful and unsuccessful students. Indices were developed to measure the similarity of the Asian students' attitudes and behaviour patterns to those of the Australian students, and these indices were then used to show the degree of shift from typically Asian patterns towards Australian patterns during the three year period.

The sample consisted initially of 67 first year students from the countries of Malaysia, Indonesia, Hong Kong, Thailand, Fiji and India, and 46 Australian students, but in later years these numbers were reduced somewhat owing to departures, failures, etc. The Australian sample was selected from 500 replies to the first year survey questionnaire.

Date of Commencement - September, 1961.
Expected Date of Completion - Thesis now being examined.
Source of Finance - Commonwealth Government Scholarship to end of 1968.
Method and Anticipated Date of Publication - Ph.D. Thesis, 1969.

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3. Name of Institution - Department of Education, University of Queensland, Australia.
- Title of Project - ANTECEDENTS OF ACHIEVEMENT MOTIVATION IN ABORIGINAL-AUSTRALIAN AND WHITE-AUSTRALIAN GIRLS.
- Name of Person and Designation - Miss B.H. Watts - Senior Lecturer, Department of Education.
- Main Aim of Project - Identifying the antecedents of achievement motivation in 9 and 14 year old Aborigines.
- Description - This research work is being carried out with 9 and 14 year old girls and their mothers in two Aboriginal communities and with white rural and a white urban sample. The research has demonstrated (a) that the

E - Students' Background and Characteristics

Aboriginal girls reveal significantly less achievement motivation than the white girls and (b) that there are differences within each community in respect to this variable.

The research is concerned with identifying the antecedent of achievement motivation in these girls. Attention is concentrated on the values, aspirations and child training practices of their mothers.

The study also investigate the aspirational patterns of the girls in respect to both education and vocation.

Date of Commencement	- April, 1967.
Expected Date of Completion	- 1969.
Source of Finance	- University Research Grant assistance.
Method and Anticipated Date of Publication	- Ph.D. Thesis. End of 1969.

4.	Name of Institution	- Australian Council for Educational Research, Australia.
	Title of Project	- A STUDY OF THE PSYCHOLOGICAL BASIS OF ANY ABNORMAL FEATURES IN THE EDUCATIONAL PROGRESS OF ABORIGINALS
	Name of Persons and Designation	- <u>D.W. Bruce</u> - Senior Research Officer; <u>Margaret Hengevelt</u> - Research Assistant.
	Main Aim of Project	- As title.
	Description	- To study the progress of children legally regarded as aboriginals through normal school to determine whether the progress has any abnormal features, and if so, what the main reasons may be. It is desired that possible bases for lines of 'public' action by the Department of Aboriginal Affairs in Victoria and elsewhere be sought. Although initiated in Victoria and on the request of the Department of Aboriginal Affairs, it is hoped that its scope may be extended to a wider area.
	Date of Commencement	- June 1969.
	Expected Date of Completion	- Phase 1 by June 1970 but continuation is hoped for.
	Source of Finance	- Ministry of Aboriginal Affairs.
	Method and Anticipated Date of Publication	- Publication probably by Report to Government, initially in 1970.

5.	Name of Institution	- Monash University, Australia.
	Title of Project	- CHARACTERISTICS OF GHANAIAN SECONDARY SCHOOL STUDENTS.
	Name of Person and Designation	- <u>K.J. McAdam</u> - Senior Lecturer, Faculty of Education.

E - Students' Background and Characteristics

- Main Aim of Project - (a) to delineate the interests, aspirations, anxieties, vocational preferences, self-concepts, etc., of secondary school students in Akwapim, Ghana.
(b) to investigate (i) development growth patterns and (ii) colour-blindness incidence of Ghanaians living in Akwapim.
- All data were to be used primarily for the improvement of teacher-training and curriculum development.
- Description - All data were obtained personally by the investigator in Ghana. A variety of methods were used: interviewing, home and school visits, questionnaires, observations, testing, etc. All discussions were carried out in the vernacular (Twi).
- At the time that the research was summarily curtailed, data had been obtained from almost a 100% sample of students in all secondary schools in Akwapim in connection with:
- (i) attitudes to school, liking for specific subjects, academic achievements, educational ambitions;
 - (ii) vocational expectations, preferences and knowledge; parental expectations and aspirations;
 - (iii) occupational status hierarchies, perceived occupational roles;
 - (iv) leisure-time activities, social affiliations and friendship patterns, self-concepts and fantasy projections, identification figures.
- In addition to the above, the following data are available.
- (a) Height and weight data from birth to adulthood; sample of approximately 4,000.
 - (b) Data from testing of a sample of approximately 1,300 with Farnsworth Dichotomous Test of Colour Blindness.
- Date of Commencement - 1964.
- Expected Date of Completion - It is expected that the study will be extended in 1971 in order that comparisons may be drawn between
- (i) "pre-purge" and "post-purge" Ghana,
 - (ii) Akwapim and another region in Ghana (probably Ashanti),
 - (iii) Ghana and other West African States.
- Data collection would be completed by the end of 1971.
- Source of Finance - Child Development Centre, Faculty of Education, University of Ghana, Legon.

E - Students' Background and Characteristics

Method and Anticipated Date of Publication	- Thesis 1972; Book 1973.
6. Name of Institution	- University of Papua and New Guinea.
Title of Project	- CHILD DEVELOPMENT PROJECT
Name of Person and Designation	- <u>J.D. Joynt</u> - Senior Lecturer in Education, assisted by linguists of Summer Institute of Linguistics as field workers.
Main Aim of Project	- To gather comparative data on child-rearing practices in a number of New Guinea cultures in order to: <ol style="list-style-type: none"> (a) provide data for courses on child-development in educational institutions in Papua-New Guinea; (b) provide data to permit intensive studies in depth in selected cultures.
Description	- A schedule has been designed in order that comparable data may be gathered in the following areas; <ol style="list-style-type: none"> (a) description of community; (b) community organisation; (c) general information with regard to socialisation practice; (d) specified child rearing practices; (e) recognition of development stages; (f) games; (g) parental values. <p>In the pilot project five cultures will be studied.</p>
Date of Commencement	- May, 1969.
Expected Date of Completion	- 1971.
Source of Finance	- University of Papua and New Guinea.
Method and Anticipated Date of Publication	- Journal articles and monographs.
Name of Institution	- University of Papua and New Guinea.
Title of Project	- RELATIONSHIP BETWEEN SCHOOL AND COMMUNITY IN PAPUA-NEW GUINEA. See F.4
7. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- SOCIAL AND EDUCATIONAL DEVELOPMENT OF CHINESE CHILDREN IN VARIOUS AREAS.
Name of Person and Designation	- <u>Dr. Norman K. Henderson</u>
Description	- A psychological and comparative study of the social interests and school progress and

E - Students' Background and Characteristics

	problems of Chinese children compared with the typical European counterparts elsewhere.
Date of Commencement	- June, 1968.
Expected Date of Completion	- December, 1970.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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8. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- SOCIAL PSYCHOLOGICAL STUDIES IN BACKWARDNESS AMONGST ADOLESCENTS IN WESTERN AND EASTERN COMMUNITIES
Name of Person and Designation	- <u>Dr. Norman K. Henderson</u>
Description	- A psychological comparison of the sociability and social interests and outlook of backward pupils in various types of schools in Eastern and Western areas.
Date of Commencement	- June, 1967.
Expected Date of Completion	- June, 1971.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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9. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- AN ENQUIRY INTO EXPECTATIONS AND VALUES OF ADOLESCENTS IN HONG KONG
Name of Person and Designation	- <u>Gennie Lee</u>
Description	- A sociological and educational survey along empirical and analytical lines of the nature of young people in Hong Kong their outlook and attitudes, and especially their expectations and hopes for the future.
Date of Commencement	- September, 1968.
Expected Date of Completion	- December, 1970.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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10. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- ADOLESCENTS PERSONALITY INVENTORY
Name of Person and Designation	- <u>Dr. V.K. Singh</u> - Reader
Main Aim of Project	- To consider personality Inventory for

E - Students' Background and Characteristics

Description	- diagnosing and studying the difficulty and typical growth trends of adolescents of Hindi-speaking States of the Indian Union. - The project involves the construction of items covering most of the general psychological behaviour areas. It covers five educationally relevant areas viz. Educational individual, emotional, motivational and social. These have been further sub-divided into negative and positive growth.
Date of Commencement	- March, 1967.
Expected Date of Completion	- March, 1970.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- 1970.

11. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- ATTITUDE SCALES - ADOLESCENTS ATTITUDE TOWARDS AUTHORITY.
Name of Persons and Designation	- <u>Dr. V.K. Singh</u> - Reader, <u>Kuldip Kumar</u> - Lecturer.
Main Aim of Project	- Growing unrest and violation by the adolescents to adult authority as well as the problem of indiscipline have led to thinking about identifying the individuals to show greatest potentiality towards the above. The aim is to develop attitude scales which cover authority areas in four major educationally relevant behaviour areas of adolescents. Attitude towards several authorities elders, teacher and educational authorities are sought to be measured.
Description	- After a survey of adolescents' groups regarding their attitude towards various authorities it was noticed that there is an attitude pattern towards authority in any area of adolescents behaviour. Also it was found that there was hardly any area in which adolescents thought there was no authority at all. Thus it was decided to study attitudes towards at least four authority figures. It is sought to identify adolescents to show potentiality towards indiscipline to authority and trends towards aggression.
Date of Commencement	- March, 1968.
Expected Date of Completion	- March, 1970.
Source of Finance	- NCERT funds.

E - Students' Background and Characteristics

Method and Anticipated Date of Publication	- 1970.
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12.	Name of Institution	- National Council of Educational Research and Training, India.
	Title of Project	- EMOTIONAL INSTABILITY AS FACTOR IN SCHOLASTIC RETARDATION AMONG STUDENTS OF ABOVE AVERAGE INTELLIGENCE.
	Name of Persons and Designation	- <u>Mahesh Chandra Gupta</u> - Research Fellow, <u>Dr. G.P. Mehrotra</u> - Research Fellow.
	Main Aim of Project	- This is a study concerning relationship between emotional instability and academic achievement of higher secondary students.
	Description	- Confirmation of the hypothesis that emotional instability is a factor present in students who are scholastically retarded but are otherwise above average in intelligence is the main aim of the present project. The extent of relationship between emotional instability and scholastic retardation in such students is also the allied problem. While giving operational definitions of these terms, reliable and valid means will be devised to measure emotional instability, scholastic retardation and intelligence. Besides, taking up relatively a large sample for study, some intensive case studies will be taken up to probe into the problem for obtaining other useful hypotheses for future studies.
	Date of Commencement	- 16th October, 1969.
	Expected Date of Completion	- 16th October, 1971.
	Source of Finance	- Funds of N.C.E.R.T.
	Method and Anticipated Date of Publication	- November, 1971.

13.	Name of Institution	- National Council of Educational Research and Training, India.
	Title of Project	- A STUDY OF THE ELEMENTARY AND SECONDARY SCHOOL AS INSTITUTIONS IN INDIAN SOCIETY.
	Name of Persons and Designation	- <u>Dr. S. Shukla</u> - Reader in Education, <u>Chandra Mohan</u> - Junior Research Fellow.
	Main Aim of Project	- To make a sociological study of schools with reference to both the manifest functions of the the schools and the latent functions in relation to politics and economics.
	Description	- It is proposed to take a sample of elementary and secondary schools in the areas around Delhi and to interview teachers, parents and

E - Students' Background and Characteristics

citizens. It is also proposed to carry out an observation of a small number of schools along the same variables on which the interviews are being conducted. It is expected that the study will reveal exactly what functions our schools perform in relation to local community as well as the national society.

Date of Commencement	- 16th October, 1969.
Expected Date of Completion	- 15th October, 1971.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- November, 1971. The report of the project is proposed to be published. Certain parts of the study may be covered in papers for publication in journals.

14. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- ATTITUDES TOWARDS LEARNING AND COGNITIVE CHARACTERISTICS OF NURSERY AND PRIMARY SCHOOL CHILDREN IN MATHARE VALLEY (KENYA)
Name of Person and Designation	- <u>Miss Donna Waldane</u>
Date of Commencement	- January, 1969.
Expected Date of Completion	- August, 1970.
Source of Finance	- private.
Method and Anticipated Date of Publication	- Not envisaged.

15. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- A STUDY OF THE SUB-CULTURE OF THE ADOLESCENT IN KENYA
Name of Person and Designation	- <u>Mrs. Violet B. Lannoy</u> - Senior Lecturer in Educational Psychology, Unesco Secondary Teacher Training Project.
Main Aim of Project	- Contribution to the course on Adolescence to student teachers.
Date of Commencement	- June, 1968.

E - Students' Background and Characteristics

Expected Date of Completion	- December, 1971.
Source of Finance	- Not applicable, as the project is part of lecturing duties.
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16. Name of Institution	- Child Development Research Unit, University College, Nairobi, Kenya; Harvard University, U.S.A.
Title of Project	- BASIC PROCESSES IN GROWTH AND DEVELOPMENT OF CHILDREN IN KENYA.
Name of Persons and Designation	- <u>Professor John Whiting</u> - Harvard Director; <u>Dr. Beatrice Whiting</u> - Harvard Research Associate; <u>Professor P. Herbert Leiderman</u> - Stanford University, Field Director C.D.R.U. 1969/70; <u>Dr. John Herzog</u> - Harvard Research Associate; <u>Dr. Gloria Leiderman</u> - Stanford Research Associate.
Main Aim of Project	- Child Development Research.
Description	- Longitudinal research in six panel communities, Baluhya, Gusii, Kikuyu, Kipsigis, Luo and Wakamba on various aspects of physical, psychological and social development of children.
Date of Commencement	- 1967.
Expected Date of Completion	- Indefinite.
Source of Finance	- Carnegie Corporation.
Method and Anticipated Date of Publication	- No plans yet.
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17. Name of Institution	- Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda.
Title of Project	- CHILD REARING PATTERNS AND MANIFEST CURIOSITY IN BAGANDA CHILDREN.
Name of Person and	- <u>M. Schiff</u> - MISR Research Associate from July 1967 to June 1968.
Description	- An attempt to understand the relation between child rearing techniques and the development of curiosity. Methods include interviewing mothers with respect to child rearing techniques and measuring their children's curiosity. Interviews have now been completed.
Expected Date of Completion	- 1969.
Source of Finance	- Syracuse University.

E - Students' Background and Characteristics

Method and Anticipated Date of Publication - Probably 30th May, 1969. Paper prepared so far: 'Manifest Curiosity in Baganda Children', Conference Papers, January, 1968.

18. Name of Institution - Department of Educational Psychology, Makerere University College, Uganda.
- Title of Project - CONSTRUCTION AND APPLICATION IN EAST AFRICAN SCHOOLS OF THE GENERAL VERBAL ABILITY TESTS.
- Name of Person and Designation - Hamed El-Abd - Professor of Educational Psychology and Head of Department.
- Description - These tests are designed for use in the upper primary classes and junior secondary grades of East African schools. The tests could also be applied to children of similar educational and cultural backgrounds.
- Date of Commencement - November, 1965.
- Expected Date of Completion - Research continuing as long as funds are available.
- Source of Finance - (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala.
(b) Makerere University College Research Grant.
- Method and Anticipated Date of Publication - Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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19. Name of Institution - Department of Educational Psychology, Makerere University College.
- Title of Project - INVESTIGATION OF SCHOOL DISCIPLINE IN UGANDA.
- Name of Person and Designation - Hamed El-Abd - Professor of Educational Psychology and Head of Department.
- Description - Headmasters of all secondary schools and teacher training colleges in Uganda were sent a questionnaire investigating their experience of school strikes and indiscipline, their reactions to them, their opinions on the causes, and their suggestions as to treatment and prevention.
- Date of Commencement - November, 1965.
- Expected Date of Completion - Research continuing as long as funds are available.
- Source of Finance - (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala.
(b) Makerere University College Research Grant.

E - Students' Background and Characteristics

Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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20. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- INVESTIGATION OF UGANDAN STUDENTS' OPINIONS ON THE SCHOOL STRIKES.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- 419 students of secondary schools and teacher training colleges, whose ages ranged from 15 to 30, filled in a questionnaire. It investigated the extent of their knowledge of and participation in school strikes; their views on the reasons for them; their suggestions as to prevention; their views on the qualities of good and bad teachers; their views on home life compared with school, and whether they were satisfied with their schools.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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21. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- OTIS PERCENTILE RANKS FOR DIPLOMA OF EDUCATION STUDENTS.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- An attempt was made to construct norms suitable for assessing the intelligence of East African and British education students, using the Otis Self-Administering Test of Mental Ability. To this effect percentile ranks were judged most suitable.
Date of Commencement	- November, 1965.

E - Students' Background and Characteristics

Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- THE INTELLECT OF EAST AFRICAN STUDENTS. See C.13
Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- THE PERSONALITY OF EAST AFRICAN STUDENTS. See C.15
Name of Institution	- School of Education, University of Zambia.
Title of Project	- TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. See M.9
22. Name of Institution	- Human Development Research Unit, University of Zambia.
Title of Project	- MATERO INFANT STUDY
Name of Person and Designation	- <u>Mrs. Susan Goldberg</u> - Research Associate
Main Aim of Project	- To provide some initial indication of patterns of development of Zambian infants in comparison with infants in other parts of the world and to assess some of the sources of individual differences in our sample.
Description	- Approximately 40 infants from a suburb of Lusaka are being visited periodically in their homes. Information collected includes: <ol style="list-style-type: none"> 1. demographic data, family composition, type of home, age, education and occupation of family members, tribal origin, length of urban residence; 2. information about pregnancy and delivery; 3. observation of mother-infant interaction; 4. rating of mother and infant behaviour;

E - Students' Background and Characteristics

	5. the Bayley Motor Scale;
	6. Albert-Einstein Sensorimotor Scales;
	7. information from mothers about child's weaning.
Date of Commencement	- February, 1969.
Expected Date of Completion	- September, 1970.
Source of Finance	- British Government, Ministry of Overseas Development grant to University of Zambia for Human Development Research Unit.
Method and Anticipated Date of Publication	- Publication of this and later data in the form of HDRU reports is planned for 1970 followed by publication in professional journals thereafter.
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Name of Institution	- Human Development Research Unit, University of Zambia.
Title of Project	- DISCRIMINATION LEARNING BY CHILDREN See F.22
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23. Name of Institution	- School of Education, University of Zambia.
Title of Project	- FITNESS NORMS OF ZAMBIAN SECONDARY SCHOOL STUDENTS.
Name of Person and Designation	- <u>Robert L. Angi</u> - Sports Officer and Method Tutor in Physical Education.
Main Aim of Project	- To develop a meaningful Fitness Test for use in secondary schools in Zambia.
Description	- The various items used in this test are similar to those used in many fitness tests including the AAPHER Youth Fitness Test and another used in various secondary schools throughout Canada. The test is composed of seven items: I standing long jump, II alternate hand wall toss, III shuttle run, IV fifty yard dash, V sixty second speed, VI pull-up or dips, and VII three hundred yard run. The items I through IV measure motor fitness while the remainder V through VII are a measure of endurance. Reliability co-efficients range from 0.70 to 0.97 for a Canadian population but co-efficients have not yet been calculated for items II and VII.
	There are approximately three hundred male subjects from 13 to 17 years of age from urban Zambian Secondary Schools.
	Co-efficients of correlation will be calculated for intra-subject consistency of the various items. In addition, a table of standard scores will be calculated. The Standard scores for Zambia Children will be

E - Students' Background and Characteristics

		compared to similar tables of the comparable Canadian norms.
Date of Commencement	-	August, 1969.
Expected Date of Completion	-	January, 1970.
Source of Finance	-	Personally financed.
Method and Anticipated Date of Publication	-	Journal of the East and Central Africa and Malagassy Physical Education Association (ECAMPEA) during 1970.
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Name of Institution	-	University of Lagos College of Education, Nigeria.
Title of Project	-	FOLLOW-UP STUDY 1969. See A.11
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Name of Institution	-	University of Lagos College of Education, Nigeria.
Title of Project	-	CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION COURSE. See A.10.
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24.	Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
	Title of Project	- HOW NIGERIAN ADOLESCENTS VIEW THEIR FUTURE.
	Name of Person and Designation	- <u>Dr. John O.O. Abiri</u> - Lecturer of Education
	Main Aim of Project	- To discover how realistic the adolescents' view of their future is, in relation to their present circumstances, and to assess the patterns of their hopes and aspirations relative to those of their country.
	Description	- Completion of questionnaire, and writing of a structured essay.
	Date of Commencement	- January, 1970.
	Expected Date of Completion	- About one year from date of commencement.
	Source of Finance	- None yet.
	Method and Anticipated Date of Publication	- Mimeograph: journals.
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25.	Name of Institution	- Department and Institute of Education, University of Ibadan.
	Title of Project	- A STUDY OF VISUAL MEMORY IN NIGERIAN CHILDREN.
	Name of Person and Designation	- <u>Dr. C.G.M. Bakare</u>

E - Students' Background and Characteristics

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| 26. | Name of Institution | - Department and Institute of Education,
University of Ibadan. |
| | Title of Project | - THE DEVELOPMENT OF LATERALITY AND
RIGHT-LEFT DISCRIMINATION IN NIGERIA
NIGERIAN CHILDREN. |
| | Name of Person and
Designation | - <u>Dr. C.G.M. Bakare</u> |
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| 27. | Name of Institution | - Department and Institute of Education,
University of Ibadan. |
| | Title of Project | - A STUDY IN CHANGING MORAL CONCEPTS
WITH SPECIAL REFERENCE TO THE IBO |
| | Name of Person and
Designation | - <u>O.A. Nduka</u> |
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| | Name of Institution | - Nigerian Institute for Social and Economic
Research, |
| | Title of Project | - SCHOOL LEAVERS AND THEIR
EMPLOYMENT PROBLEM.
See M.10 |
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| 28. | Name of Institution | - Faculty of Archaeology and Anthropology,
University of Cambridge. |
| | Title of Project | - A COMPARATIVE STUDY OF FOSTERING
OF CHILDREN BY KIN IN WEST AFRICA. |
| | Name of Person and
Designation | - <u>Dr. E. Goody</u> - Director, Centre of African
Studies |
| | Main Aim of Project | - To combine an intensive study of fostering in
one society and an extensive study in several
other societies in order to understand how
institutionalised fostering functions as a
normal part of the socialisation process. |
| | Description | - The sending of children to be reared by kin
of one or another parent has been found to be
common in a number of West African societies,
where it is viewed as one means of seeing
that children learn both skills and "respect",
and is said to build strong character. This
study aims to establish the incidence and
pattern of fostering in selected Ghanaian and
other West African societies, as well as to
examine in depth the operation of institution-
alised fostering in one Northern Ghanaian
society. The intensive study compares
fostered with home-reared children on a
number of demographic and motivational
variables. Finally, we ask how fostering
relates to other institutions and how it affect
affects adult careers. |
| | Date of Commencement | - April, 1964. |
| | Expected Date of
Completion | - March, 1970. (Field Work: April-September,
1964; Analysis: October, 1966- March, 1970). |

E - Students' Background and Characteristics

Source of Finance	- Field Work: Wenner-Gren Foundation; Ford Foundation. Analysis: Social Science Research Council.
Method and Anticipated Date of Publication	- Articles and a book. See "Kinship Fostering in Gonja: Deprivation or Advantage?" in <u>Socialisation: the Approach from Social Anthropology</u> , (ed) P. Mayer.
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29. Name of Institution	- Department of Education, University of the West Indies, Jamaica, W.I.
Title of Project	- A STUDY OF THE USE OF LANGUAGE BY YOUNG JAMAICAN CHILDREN IN CONTRASTING SOCIAL ENVIRONMENTS.
Name of Person and Designation	- <u>Dennis R. Craig</u> - Lecturer in Education
Main Aim of Project	- The research aims to examine the interaction of Jamaica Creole and Standard English in the casual and formal speech of pre-primary and primary school children, the purposes, modalities and content of the language behaviour of such children and the relationship between these factors and social class.
Expected Date of Completion	- A preliminary study of groups aged 6½ - 7½ years should be complete by December 1969. Study of other age-groups is in progress.
Source of Finance	- This project is financed partly by a research grant from the University of the West Indies Institute of Education.
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Name of Institution	- Wisconsin State University.
Title of Project	- LINGUISTIC IMPEDANCE AND DIALECT INTERFERENCE AMONG CERTAIN AFRICAN TRIBES. See F.35
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30. Name of Institution	- Faculty of Education, McGill University, Canada.
Title of Project	- ADJUSTMENT AND ATTITUDES OF INDIAN STUDENTS IN CANADA.
Name of Person and Designation	- <u>Kananur V. Chandrasekharaiah</u> - Assistant Professor.
Main Aim of Project	- To understand the problems of the Indian students and to provide suitable facilities for the prospective students.
Description	- This is the first study describing the social, emotional, academic, and financial problems associated with Indian students in Canada. It also discusses their attitudes towards Canadian people and society and toward certain Indian and western social institutions and values. The analysis distinguishes

E - Students' Background and Characteristics

between the problems and attitudes of students from upper, middle and lower social class families and also examines the significance of factors such as age, food habits, personality traits, duration and place of residence which influence the adjustment and attitudes of Indian students in Canada.

Date of Commencement - October, 1968.
 Expected Date of Completion - November, 1969 (completion).
 Source of Finance - The Canada Council and McGill Faculty of Education.
 Method and Anticipated Date of Publication - The manuscript is under consideration for pupublication at a later date.

31. Name of Institution - Division of Educational Research Services, University of Alberta.
 Title of Project - EDUCATIONAL OPPORTUNITY AND THE SOCIAL FACTOR IN SIERRA LEONE.
 Name of Person and Designation - D.R. Pugh - Educational Foundation
 Main Aim of Project - To investigate the social background of children at different levels of the educational system in 2 separate areas (one urban, one rural) of a small African country faced with a serious problem of 'drop out'.
 Description - Survey of social background of 1,000 children in the elementary schools of Freetown, and of 800 in the secondary schools. Half of the latter were in the second secondary grade and half had completed the 5 year secondary programme. A similar investigation was conducted in the northern province of Sierra Leone (the most backward province) though the number involved here were inevitably less than in Freetown.
 Date of Commencement - 1967.
 Expected Date of Completion - End of 1969.
 Source of Finance - Small initial grant from Fourah Bay College, University of Sierra Leone.

32. Name of Institution - New Zealand Council for Educational Research.
 Title of Project - ORAKEI - A MAORI COMMUNITY.
 Name of Person - I.H. Kawharu - Anthropology Department, University of Auckland.
 Main Aim of Project - To make a detailed analysis of the social organisation and problems of a small Maori community.

E - Students' Background and Characteristics

Description	- The study demonstrates the significance of the bonds of kinship and social organisation that unite thirty-five households which have preserved their physical and social identity in the midst of a large European suburban area. The author has examined the interplay of tradition and change in the development of new attitudes toward authority, along with the changing economic and social activities of these Maori families. An analysis has been made of the impact of the school upon the values and expectations of the community itself. The author has shown how the pattern of social relationships and obligations of Maori children, and the inhering attitudes and values, influence their views on their progress at school, and the expectations of teachers with respect to the abilities and aspirations of Maori pupils.
Date of Commencement	- 1964.
Expected Date of Completion	- 1970.
Source of Finance	- J.R. McKenzie Trust.
Method and Anticipated Date of Publication	- Monograph, 1970.
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33. Name of Institution	- New Zealand Council for Educational Research.
Title of Project	- THE LANGUAGE DEVELOPMENT OF MAORI CHILDREN - NEEDED RESEARCH.
Name of Person and Designation	- <u>B.W. Bender</u> - Chairman, Department of Linguistics, University of Hawaii.
Main Aim of Project	- To make recommendations to NZCER on the types of research and development activities likely to be most beneficial for improving the teaching practices used with Maori children with particular reference to their use of English.
Description	- In 1968 Professor Bender was invited to visit New Zealand to examine the teaching practices that are being used with Maori children in a wide variety of communities and to assess the kind of knowledge which would be required to produce more effective aids and materials and more skilful teaching. It is expected that his report will provide the basis for a major research programme over the next few years.
Date of Commencement	- 1968.
Expected Date of Completion	- 1970.

E - Students' Background and Characteristics

Source of Finance - Golden Kiwi Lottery Fund, Maori Purposes
Fund and NZCER.
Method and Anticipated
Date of Publication - Monograph, 1970.

F - TEACHING AND LEARNING SITUATIONS

Learning strategies; teaching methods; teaching aids;
extra-curricular activities.

1. Name of Institution - Department of Education, University of Canterbury, New Zealand.
- Title of Project - AN ATTEMPT TO QUANTIFY CRITERIA FOR ASSESSING LEVEL ON BEEBY'S STAGES BY COMPARISON OF PRIMARY EDUCATION SYSTEMS IN QUEENSLAND AND NEW GUINEA.
- Name of Person and Designation - G. Gilliland
- Main Aim of Project - An attempt to quantify criteria for assessing level on Beeby's stages by comparison of primary education systems in Queensland and New Guinea.
- Description - "Proof" (says Beeby in regard to his theory of stages), "in any strict sense may have to wait until the stages and sub-stages can be expressed quantitatively, so that the position of a school system on the scale of development can be indicated with more precision..... and, for the present it may be impossible to establish a positive proof of the hypothesis."
This research involves an examination of instruments that could be of use in quantification of such variables as teachers' qualifications, general education, and attitudes. These instruments will be tested by comparison of their quantification of the two neighbouring, contrasting systems against their classification according to historical characteristics.
- Date of Commencement - 1968.
- Expected Date of Completion - 1970.
- Source of Finance - Not known.
- Method and Anticipated Date of Publication - Thesis. 1970.

F - Teaching and Learning Situations

Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- A STUDY OF CHILD GROWTH AND DEVELOPMENT IN ABORIGINES See E.1
Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- A CROSS-CULTURAL STUDY OF THE DEVELOPMENT OF COGNITIVE STRUCTURES IN UNIVERSITY STUDENTS WITH SPECIAL REFERENCE TO ASIAN STUDENTS IN THE UNIVERSITY OF QUEENSLAND. See E.2
Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- ANTECEDENTS OF ACHIEVEMENT MOTIVATION IN ABORIGINAL-AUSTRALIAN AND WHITE-AUSTRALIAN GIRLS. See E.3
2. Name of Institution	- Monash University, Australia.
Title of Project	- SCIENTIFIC WORDS.
Name of Person and Designation	- <u>P.L. Gardner</u> - Lecturer in Education.
Main Aim of Project	- These tests will be used to identify specific vocabulary difficulties in ninth and tenth grade high school students in the Territory.
Description	- The project involves the identification of a list of approximately 700 non-technical words likely to be encountered with some frequency in the teaching of science, and the development of multiple choice tests of comprehension of these words.
Date of Commencement	- Compilation of the list of words will be completed by January 1969. Construction and trial of the test items will proceed during 1969.
Expected Date of Completion	- It is anticipated that the project will end early 1970.
Source of Finance	- Research grant from Department of Education, Territory of Papua and New Guinea.

F - Teaching and Learning Situations

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| 3. | Name of Institution | - Flinders University of S. Australia. |
| | Title of Project | - THE FAMILY EDUCATION CENTRE. |
| | Name of Persons and Designation | - <u>Professor J. Richardson</u> - Project Chairman; <u>A.M. Hart</u> - Project Director. |
| | Main Aim of Project | - The main aim of the project is to conduct action research in two different kinds of Aboriginal communities, - one a full-blood and the other a part-Aboriginal group. In two chosen centres the pre-school which is organised will be run by the Aboriginal parents trained by a pre-school director. The experiment is to demonstrate the ability of Aboriginal parents to effectively prepare their own children for education and life when they themselves understand the problems. Some measure of the success of this experiment will be gauged from the tests given when children are ready to enter primary school and from the success of parents to continue a satisfactory pre-school programme. |
| | Date of Commencement | - October 1968. |
| | Expected Date of Completion | - Plan submitted in June 1969; Completion of project in June 1972. |
| | Source of Finance | - Bernard Van Leer Foundation. |
| | Method and Anticipated Date of Publication | - A duplicated booklet will give an outline of the project for the Bernard Van Leer Foundation. Copies will be available after June 1972. |
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| | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - SIMULATED TRAINING TECHNIQUES FOR IN-SERVICE TRAINING PROGRAMMES OF THE DEPARTMENT OF DISTRICT ADMINISTRATION.
See M.1 |
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| | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - EVALUATION OF TEACHING AND LEARNING MATERIALS IN ENGLISH.
See C.3 |
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| | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - TEACHING AND LEARNING MATERIALS FOR THE NEW SOCIAL SCIENCES SYLLABUS FOR SECONDARY SCHOOLS.
See I.2 |

F - Teaching and Learning Situations

Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN SCIENCE. See C.4
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN THE SOCIAL SCIENCES. See C.5
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4. Name of Institution	- University of Papua and New Guinea.
Title of Project	- RELATIONSHIP BETWEEN SCHOOL AND COMMUNITY IN PAPUA-NEW GUINEA.
Name of Person and Designation	- <u>Mr. Geoffrey E. Smith</u> - Lecturer in Education.
Main Aim of Project	- To provide material for courses in Education at the University and for use in technical and vocational education.
Description	- A series of short films initiated under the aegis of the Educational Materials Centre is being made. The first, completed in March 1969, was a 15 minute sound/colour documentary on the Vocational Centre, Yule Island. Others being made or planned deal with two other vocational centres, a village primary school and its local community, a town primary, secondary boarding and secondary day school and their local communities.
Date of Commencement	- September, 1968.
Expected Date of Completion	- June, 1970
Source of Finance	- University of Papua and New Guinea
Method and Anticipated Date of Publication	- Not applicable.
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE SCHOOL BROADCAST AS RESOURCE MATERIAL FOR EDUCATION IN PAPUA AND NEW GUINEA. See C.6
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Name of Institution	- University of Papua and New Guinea.

F - Teaching and Learning Situations

Title of Project	- THE TAPE AS TEACHING AND LEARNING MATERIAL IN HEALTH EDUCATION PROGRAMMES. See C.7
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5. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- ANALYTICAL AND COMPARATIVE STUDIES OF THE DEVELOPMENT OF HISTORICAL THINKING AMONGST CHINESE AND EUROPEAN SECONDARY SCHOOL PUPILS.
Name of Person and Designation	- <u>A.E. Sweeting</u>
Description	- An analysis of how pupils conceive of time and sequences, cause and effect etc. in various historical contexts, and a comparison of Chinese and European pupils in these respects - with special reference to course, methods and problems in teaching history in the secondary schools of Hong Kong.
Date of Commencement	- November, 1969.
Expected Date of Completion	- December, 1971.
<hr/>	
6. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- AN ENQUIRY INTO THE TEACHING OF ENGLISH TO, AND LEARNING OF, ENGLISH BY NON-ENGLISH SPEAKING ADULT HONG KONG GOVERNMENT EMPLOYEES AT THE GOVERNMENT TRAINING DIVISION.
Name of Person and Designation	- <u>Gordon McArthur</u>
Description	- A study of the problems of adults learning English for specific public service purposes, involving grammatical analyses and vocabulary counts; with the implications for teaching at the adult level.
Date of Commencement	- November, 1969.
Expected Date of Completion	- December, 1971.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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7. Name of Institution	- Department of Education, University of Hong Kong.

F - Teaching and Learning Situations

Title of Project	- AN EXPERIMENTAL STUDY OF CONTAIN LEARNING DIFFICULTIES OF A-LEVEL BIOLOGY STUDENTS IN HONG KONG AND THE IMPLICATIONS FOR TEACHING.
Name of Person and Designation	- <u>Jimmy Chan</u>
Description	- A survey of older secondary school pupils' problems in grasping biological science concepts, and especially an analysis of the syllabus topics which they find difficult - and why - with implications for teaching this subject.
Date of Commencement	- June, 1967.
Expected Date of Completion	- July, 1969.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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8. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- PHONOLOGICAL, GRAMMATICAL AND LEXICAL ANALYSIS OF ENGLISH LANGUAGE DIFFICULTIES OF CANTONESE-SPEAKING STUDENTS.
Name of Person and Designation	- <u>Harriette Yapp</u> .
Description	- A detailed analysis of the phonological, grammatical, lexical difficulties encountered by large number of Chinese pupils whose native language is Cantonese, with special reference to the learning and teaching aspects.
Date of Commencement	- December, 1966.
Expected Date of Completion	- May, 1972.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
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9. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- A REMEDIAL READING PROGRAMME IN ENGLISH FOR CANTONESE SPEAKING PUPILS.
Name of Person and Designation	- <u>Marion Quong</u>
Description	- A comparative survey of remedial reading programmes in use in secondary schools in U.K., U.S.A., Canada and Australia, with special reference to Hong Kong's

F - Teaching and Learning Situations

		needs and the special problems of Cantonese-speaking pupils using English as a second language.
Date of Commencement	-	June, 1968.
Expected Date of Completion	-	May, 1971.
Source of Finance	-	Department of Education, University of Hong Kong and private sources.
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Name of Institution	-	Department of Education, University of Hong Kong.
Title of Project	-	RESEARCH IN EDUCATIONAL PLANNING, PHYSICS EDUCATION AND AUDIO-VISUAL METHODS. See A.3
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10.	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- RESEARCH IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE.
	Name of Person and Designation	- <u>Harriette Yapp</u> .
	Description	- A statistical field-based study of problems typically encountered by Chinese children (and others) in learning and using English, with implications for teaching English as a foreign language.
	Date of Commencement	- December, 1966.
	Expected Date of Completion	- Mid-1970.
	Source of Finance	- Department of Education, University of Hong Kong and private sources.
<hr/>		
11.	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- THE ADAPTATION OF THE NEW PHYSICS PROGRAMMES USED IN AMERICA, BRITAIN AND AUSTRALIA TO THE NEEDS OF HONG KONG.
	Name of Person and Designation	- <u>Dr. R.F. Simpson</u> .
	Description	- A comparative methodological study seeking to adapt the methods and materials of modern physics courses to the special cultural and language environments of Hong Kong secondary schools.
	Date of Commencement	- June, 1969.
	Expected Date of Completion	- December, 1970.

F - Teaching and Learning Situations

	Source of Finance	- Department of Education, University of Hong Kong and private sources.
12.	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- STUDIES IN THE TEACHING OF CHINESE.
	Name of Person and Designation	- <u>T.S. Pong et al.</u>
	Description	- A critical appraisal of syllabuses, textbooks and teaching methods in the teaching of Chinese language and literature in Hong Kong.
	Date of Commencement	- April, 1968.
	Expected Date of Completion	- December, 1970.
	Source of Finance	- Department of Education, University of Hong Kong and private sources.
13.	Name of Institution	- Department of Education, University of Hong Kong
	Title of Project	- TEACHING METHODS IN HUMAN BIOLOGY.
	Name of Person and Designation	- <u>B.R. Beckett</u>
	Description	- Critical, comparative and analytical studies of first year human biology course and teaching procedures in various countries, with special reference to Hong Kong's syllabuses and methods.
	Date of Commencement	- December, 1969.
	Expected Date of Completion	- November, 1971.
	Source of Finance	- Department of Education, University of Hong Kong, and private sources.
	Name of Institution	- Research Unit, Ministry of Education, Singapore.
	Title of Project	- STATUS SURVEYS OF THE NEEDS AND PROBLEMS OF SCHOOLS. See D.2
14.	Name of Institution	- The South India Teachers' Union Council of Educational Research, India.
	Title of Project	- NATIONAL UNITY AND INTERNATIONAL UNDERSTANDING.

F - Teaching and Learning Situations

Name of Person and Designation	- <u>M. Duraiswamy</u> - Project Officer, <u>S. Natarajan</u> and <u>G. Srinivasachari</u> - consultants. There is an expert advisory committee consisting of representatives of the University of Madras, State Institute of Research in Education (Madras), National Council of Educational Research and Training, New Delhi and representatives of Organisations interested in educational research. The Chairman of the Advisory Committee is K. Balasubramania Iyer, representative of the University of Madras, member of the Syndicate.
Main Aim of Project	- 1. To develop in children attitudes conducive to the promotion of national unity and international understanding so that the rising generation may have world view and work for peace realising the interdependence of nations and the necessity to avoid war in this atomic age. 2. To work it out as a total project in which all the pupils and all the teachers from Standard I to the highest standard are involved. 3. To prove the possibilities of inter-disciplinary co-operation in a centrally controlled syllabus and establish principles and procedures for teacher education which will help prospective teachers to develop correct habits of thought and action in pupils for the promotion of peace and amity among the nations of the world.
Description	- Schools have to take up the responsibility of developing correct attitudes and beliefs necessary for intelligent and useful citizenship of the country to which they belong and for world citizenship. One of the major assumptions is that attitudes that are or are discovered to be detrimental to national unity or international amity can be gradually eliminated in the process of working out the project through curricular and extra curricular activities.
Date of Commencement	- January, 1969.
Expected Date of Completion	- The experiment is to run at least for three years from the date of commencement.
Source of Finance	- Sponsored by the World Confederation of Organisations of the Teaching Profession

F - Teaching and Learning Situations

Method and Anticipated Date of Publication	- and supplemented by the resources of the S.I.T.U. Council of Educational Research. - Established principles and procedures of research methodology will be followed: Interim reports of the projects may be published as yearly reports. Final reports will be printed and published after the completion of the project.
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15. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- USE OF PROGRAMMED LEARNING TECHNIQUES FOR LEARNING OF SECOND INDIAN LANGUAGE BY EDUCATED ADULTS.
Name of Person and Designation	- <u>Dr. C.H.K. Misra</u> - Reader, <u>A.S. Ghosh</u> - Lecturer.
Main Aim of Project	- To see whether Programmed Learning techniques can be effective for learning of other Indian language by affected adults.
Description	- Two programmes meant for adult speakers of two different Indian languages teaching them two other Indian languages are currently being developed and tried out. After the development of these programmes there will be in use larger samples and their effectiveness in terms of teaching the languages shall be compared with other existing methods.
Date of Commencement	- October, 1968.
Expected Date of Completion	- October, 1971.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- The anticipated date of publication is March, 1971.
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16. Name of Institution	- Department of Education, University College, Nairobi.
Title of Project	- THE AREAS OF DIFFICULTY TO LEARNERS OF ENGLISH AS A SECOND LANGUAGE WITH PARTICULAR REFERENCE TO KIKUYU (INCLUDING MERU AND EMBU).
Name of Person and Designation	- <u>Christopher R. Wang 'ombe</u> - Assistant Lecturer - English as a second language.

F - Teaching and Learning Situations

Main Aim of Project	- To help student teachers and practising teachers to tackle the problem of teaching English as a second language more effectively.
Description	- To isolate the common mistakes made by learners of English as a second language and attempt to see how this can most effectively be rectified.
Date of Commencement	- September, 1969.
Expected Date of Completion	- September, 1971
Source of Finance	- University College Nairobi/private.
Method and Anticipated Date of Publication	- No plans yet.
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17. Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- THE EXPERIMENT IN PROGRAMMED LEARNING AT MAKERERE COLLEGE SCHOOL.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- A linear programmed course in geography was constructed for 1st secondary year students. An experimental group used the programmed course and a control group followed a traditional coverage of the same material. Progress was compared. An ultimate aim in view was to judge if programmed books would be useful in offsetting teacher shortages in East Africa.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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18. Name of Institution	- Department of Educational Psychology, Makerere University College.

F - Teaching and Learning Situations

Title of Project	- INVESTIGATION OF PUPILS' ATTITUDES TO PROGRAMMED LEARNING.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- Pupils completed a "Yes/No" questionnaire investigating their reactions and attitudes to the Programmed Learning course.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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19. Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.
Title of Project	- PRACTICAL AUDIO-VISUAL TRAINING FOR 500 STUDENTS.
Name of Person and Designation	- <u>Charles A. Pratt</u> - Co-ordinator.
Main Aim of Project	- The Centre provides practical training facilities for teachers, specialist Audio-Visual tutors, and Audio-Visual Aids Technicians. Student capacity for hourly sessions 500 per week.
Description	- The project follows earlier work in Tanzania. Particular attention has been paid to evolving training routines to cope efficiently with hourly sessions for 20-24 students with a weekly throughput of up to 500 students.
Source of Finance	- Building financed by the Nuffield Foundation, the Centre was equipped by The Carnegie Corporation of New York and its running expenses are met from Institute funds.
Method and Anticipated Date of Publication	- "16MM Projection", November 1969. A handbook for tutors and technicians deals with these routines which are now being practiced at the Centre. "A Basic Visual Aids Course", now ready

F - Teaching and Learning Situations

for publication, deals likewise with practical sessions producing portable blackboard/flannelboard and training in associated skills. Specialist tutor training will commence in January 1970 and the training of audio-visual aids technicians in March 1970.

Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.
Title of Project	- THE PRODUCTION AND REPRODUCTION OF ILLUSTRATIONS FOR USE IN PRIMARY SCHOOLS IN UGANDA. See I.5

20. Name of Institution	- Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda.
Title of Project	- THE ROLE OF EARLY EDUCATION IN DEVELOPING COUNTRIES.
Name of Person and Designation	- T.J. Banta - Visiting Professor of Social Psychology, Makerere.

21. Name of Institution	- Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda.
Title of Project	- TEACHING METHODS OF ADOPTION OF NEW NUTRITION PRACTICES.
Name of Person and Designation	- <u>T.J. Banta</u> - Visiting Professor of Social Psychology, Makerere.

22. Name of Institution	- Human Development Research Unit, University of Zambia.
Title of Project	- DISCRIMINATION LEARNING BY CHILDREN.
Name of Person and Designation	- <u>Dr. Robert Serpell</u> - Lecturer in Psychology.
Main Aim of Project	- Elucidation of some theoretical issues in children's discrimination learning.
Description	- An analysis is made of the factors affecting transfer of learning on the optional shift design. Grade 4 and Grade 6 children were divided into high and low 'dimensionality' groups according to performance on a test of ordering ability. On a subsequent visit to the laboratory they were trained on a two-

F - Teaching and Learning Situations

		choice visual discrimination task with colour or form relevant, followed by an optional Reversal/extradimensional shift. In addition to Grade level and 'dimensionality', speed of original learning and cue salience are being examined as potential influences on shift preference
	Date of Commencement	- May, 1969.
	Expected Date of Completion	- May, 1970.
	Source of Finance	- British Government, Ministry of Overseas Development grant to University of Zambia for Human Development Research Unit.
	Method and Anticipated Date of Publication	- HDRU Reports in 1970, subsequently in international journal.
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23.	Name of Institution	- Institute of Education, Ahmadu Bello University, Nigeria.
	Title of Project	- TEACHING PRACTICE PROGRAMMES IN GRADE II TEACHER TRAINING COLLEGES IN THE SIX NORTHERN STATES OF NIGERIA.
	Name of Person and Designation	- <u>A.A. Siemers</u> - Research Specialist, Institute of Education
	Main Aim of Project	- A status study of the nature and extent of teaching practice programmes in the fifty-seven Grade II Colleges of Northern Nigeria.
	Description	- Questionnaire study was completed in March, 1969. We received a surprising return of 77% on our questionnaire to the Grade II Teacher Training Colleges; this, backed by selected personal visits with principals, leads us to believe we have valid data. We certainly know the present status of teaching practice programmes here in Northern Nigeria.
	Date of Commencement	- 1968.
	Expected Date of Completion	- May, 1969.
	Method and Anticipated Date of Publication	- The final report-paper edited and mimeographed in May, 1969.
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24.	Name of Institution	- Institute of Education, Ahmadu Bello University, Nigeria.

F - Teaching and Learning Situations

Title of Project	- SOME PROBLEMS OF LANGUAGE TEACHING IN A MULTILINGUAL, DEVELOPING SOCIETY.
Name of Person and Designation	- <u>Miss B. Strong</u> - Organising Tutor.
Main Aim of Project	- To review and seek solutions to the problems arising from the conflicting demands of the vernacular, English, French, and Arabic in the Northern States of Nigeria.
Description	- Field work, action research (questionnaires, interviews, conferences, producing experimental material). She will visit personally, interview and hold various conferences addressed to this problem.
Date of Commencement	-
Expected Date of Completion	- Still at the stage of collecting information on problems concerning the teaching of English, Hausa, Arabic and French in the six northern states of Nigeria. Study expected to be finished hopefully by mid-1970.
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25. Name of Institution	- Institute of Education, Ahmadu Bello University, Nigeria.
Title of Project	- AN INVESTIGATION INTO THE PROBLEMS INVOLVED IN THE TEACHING OF SCIENCE IN SECONDARY SCHOOLS IN THE SIX NORTHERN STATES OF NIGERIA.
Name of Persons and Designation	- <u>Dr. Samuel C. Aleyideine</u> - Senior Lecturer; <u>K. Kamalanthon</u> - Tutor, Advanced Teachers College.
Main Aim of Project	- The Project is aimed at collecting and disseminating information that is useful to educational planners and teachers engaged in science teaching.
Description	- This research project is designed to obtain information about the problems involved in the teaching of science in secondary schools in the six northern states of Nigeria through the use of a questionnaire. The questionnaire consists of eleven main items covering a variety of problems that comprise the following: 1. Enrolment and choice of subjects by

F - Teaching and Learning Situations

	students.
	2. Teachers - qualifications and subjects taught.
	3. Time allocated to theoretical and practical courses.
	4. Syllabus and other curriculum guides.
	5. Availability of science books and magazines.
	6. Existence of laboratory facilities, teaching aids and other equipment.
	7. Examination results.
Date of Commencement	- Copies of the questionnaire were mailed out to 119 Secondary schools in August 1969.
Expected Date of Completion	- Judging from the rate at which questionnaires are being returned it is expected that analysis and reporting will be completed by June 1970.
Source of Finance	- The research is being financed by the Institute of Education.
Method and Anticipated Date of Publication	- The report will be published by the Institute of Education by August, 1970.
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26. Name of Institution	- College of Education, University of Lagos.
Title of Project	- RELATING NATURAL RESOURCES MATERIALS TO SECONDARY LEVEL BIOLOGY PROGRAMMES.
Name of Person and Designation	- <u>Professor D. Morgan</u> - Associate Professor of Education.
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27. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- A READING EXPERIMENT WITH PITMAN'S WORLD INITIAL TEACHING ALPHABET (w.i.t.a.).
Name of Person and Designation	- <u>Dr. John O.O. Abiri</u> - Lecturer of Education.
Main Aim of Project	- A longitudinal study with experimental and control groups. The pupils in the experimental group are taught to read English initially in w.i.t.a. and later change to reading - T.O., while those in the control group read T.O. all the time. Tests are administered periodically to assess and compare progress made.
Date of Commencement	- January, 1966.
Expected Date of Completion	- June, 1972.

F - Teaching and Learning Situations

Source of Finance	- British Ministry of Overseas Development grant.
Method and Anticipated Date of Publication	- Publication of the report on the initial stage of the experiment before the end of 1970. Publication of final report by 1972.
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28. Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- SURVEY OF FRENCH LEARNING AND FRENCH TEACHING IN NIGERIA, WITH SPECIAL REFERENCE TO SECONDARY SCHOOLS.
Name of Person and Designation	- <u>C.M.B. Brann</u>
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29. Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- THE TECHNIQUE OF TEACHING POETRY TO NON-MOTHER TONGUE SPEAKERS OF ENGLISH LANGUAGE.
Name of Person and Designation	- <u>Professor D.C. Miller</u> - Head of Department of Education.
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30. Name of Institution	- Faculty of Education, University of Ife.
Title of Project	- THE DEVELOPMENT OF THE IDEAL SELF IN NIGERIAN SCHOOL CHILDREN.
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31. Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education.
Title of Project	- SURVEY OF LITERATURE RELATING TO PERCEPTION STUDIES WITH SPECIAL REFERENCE TO VISUAL TEACHING AND TEACHING AIDS.
Name of Person and Designation	- <u>Edward Clunies-Ross</u> - Lecturer in charge of Audio-Visual Aids Diploma Course for Overseas Students.
Main Aim of Project	- Survey of current literature to identify and interpret studies of special interest for the production of teaching materials and in the use of visual materials for teaching and learning.
Date of Commencement	- May, 1969.
Expected Date of Completion	- 1970.
Source of Finance	- Commonwealth Secretariat (Education Division), and the University of London Institute of Education.

F - Teaching and Learning Situations

Method and Anticipated Date of Publication	- Pamphlet to be published in 1970.
32. Name of Institution	- University of Reading School of Education, London Road, Reading RG1 5AQ.
Title of Project	- AN INVESTIGATION INTO THE USE OF PROGRAMMED LEARNING MATERIAL WITH AFRICAN PUPILS (MALAWI) IN THE JUNIOR FORMS OF SECONDARY SCHOOLS.
Name of Person and Designation	- <u>Dr. R.B. Morrison</u> <u>C.J. Lawless.</u>
33. Name of Institution	- Institution of Education, University of Keele.
Title of Project	- THE KEELE INTEGRATED STUDIES PROJECT.
Name of Person and Designation	- (a) <u>British members:</u> <u>D.W. Bolam, B.A.,</u> - Director <u>D.R. Jenkins, M.A.</u> - Assistant Director. <u>Mrs. M. Brooksbank</u>) <u>G. Hartley B.A.</u>) co-ordinators <u>S.J. Parker, B.A.</u>) with LEAs <u>A. Townsend, B.A.</u>) (b) <u>Overseas Fellows:</u> <u>D.V. Owiredu (Ghana)</u> for Academic <u>M. Ogunyemi (Nigeria)</u> Year, 1968-69.
Main Aim of Project	- To explore the problems and possibilities of the integration of the Humanities in secondary schools. The project also enables its Overseas Fellows to familiarise themselves with the techniques of curriculum development.
Description	- Multi-media material have been prepared to support 6 broad themes and problems. These will be tried out in team-teaching situations, across the first few years of secondary education. Three of the themes are intended for years one and two; <u>Exploration man</u> , <u>Living Together</u> and <u>Communication</u> . Three are aimed at years three and four: <u>Development in Africa</u> , <u>Groups in Society</u> , <u>Man-made Man</u> . 33 local schools are co-operating in this experiment, and evaluation will involve assessment of materials; problems of school organisation; and questions of appropriate teaching-learning

F - Teaching and Learning Situations

		strategy.
	Date of Commencement	- January, 1968.
	Expected Date of Completion	- December, 1970.
	Source of Finance	(a) Schools Council (b) Local Education authorities (c) Ministry of Overseas Development - Overseas Fellows.
	Method and Anticipated Date of Publication	- Date unknown. Will include publication of materials, as well as of critical report.
<hr/>		
34.	Name of Institution	- Department of Education, University of the West Indies, Jamaica, W.I.
	Title of Project	- METHODS OF TEACHING ENGLISH TO SPEAKERS OF WEST INDIAN ENGLISH-BASED CREOLES.
	Name of Person and Designation	- <u>Dennis R. Craig</u> - Lecturer in Education.
	Expected Date of Completion	- Some results of this project have already been published but work is continuing in order to provide guidelines for teacher-training and textbooks at both the primary and secondary levels.
	Publication	- An Experiment in Teaching English. Denis Craig, Ginn, 1969.
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35	Name of Institution	- Wisconsin State University/Njala University College, Sierra Leone.
	Title of Project	- LINGUISTIC IMPEDANCE AND DIALECT INTERFERENCE AMONG CERTAIN AFRICAN TRIBES.
	Name of Person and Designation	- <u>John B. Ellery, Ph.D.</u> - Assistant to the President.
	Main Aim of Project	- Identification of points of interference between native dialects and English language usage and the improvement of English language instruction based on this information.
	Description	- This research is directed toward the refinement of the present English language instruction programme at Njala University College, Sierra Leone and, by extension, at similar institutions in developing countries of the Commonwealth. Attention has been directed primarily toward the identification of points of interference between native dialects and English language usage, including an

F - Teaching and Learning Situations

extensive study of vocal characteristics and an analysis of phonetic structure. Insofar as course content is concerned, emphasis was placed upon the basic mechanics of language, with little concern for subtle nuances of grammar and syntax. The underlying assumption is that the linguistic impedance that derives from dialect interference has a phonetic as well as a semantic dimension, that effectiveness of instruction is seriously impeded by an excessive concern over minor eccentricities in pronunciation and usage, and that the practical goal of English language instruction in developing countries is the achievement of intelligibility and reasonable pleasantness, with small regard for the "show-pieces" of rhetoric and "pair-shaped tones".

Date of Commencement	- June, 1966.
Expected Date of Completion	- June, 1970.
Source of Finance	- OES-USAID-Njala University College (1966-68).
Method and Anticipated Date of Publication	- Undecided.

G - TEACHER TRAINING

Content of courses; responses

1.	Name of Institution	- University of Papua and New Guinea.
	Title of Project	- THE STUDENT-TEACHER: ROLE CHANGE IN TEACHER TRAINING PROGRAMME IN PAPUA AND NEW GUINEA.
	Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education.
	Main Aim of Project	- To determine the factors in the teacher training programme which contribute to the development of teacher role in students-in-training.
	Description	- A complementary study to the advance knowledge and expectations of new entrants to teacher training programmes. A questionnaire is to be administered to all final year students to cover all aspects of the teacher training programme.
	Date of Commencement	- March, 1969.
	Expected Date of Completion	- January, 1970.
	Source of Finance	- University of Papua and New Guinea.
	Method and Anticipated Date of Publication	- Not applicable.
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	Name of Institution	- University of Papua and New Guinea.
	Title of Project	- RELATIONSHIP BETWEEN SCHOOL AND COMMUNITY IN PAPUA-NEW GUINEA. See F. 4
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2.	Name of Institution	- University of Papua and New Guinea.
	Title of Project	- ADVANCE KNOWLEDGE AND EXPECTATIONS OF PUPILS WHO HAVE CHOSEN TEACHING AS A CAREER.
	Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education.
	Main Aim of Project	- Students who have applied for a studentship of the Department of Education will complete a questionnaire designed to find out how they chose teaching as a career, what they know of teacher

G - Teacher Training

		training programmes and what they expect of a teacher training course.
Date of Commencement	-	March, 1969.
Expected Date of Completion	-	January, 1970.
Source of Finance	-	University of Papua and New Guinea.
Method and Anticipated Date of Publication	-	Not applicable.
<hr/>		
Name of Institution	-	Department of Education, University of Hong Kong.
Title of Project	-	PROBLEMS OF TEACHER SUPPLY AND TRAINING IN HONG KONG WITH REFERENCE TO SIMILAR PROBLEMS IN ENGLAND. See A.2
<hr/>		
3.	Name of Institution	- National Council of Educational Research and Training, India.
	Title of Project	- AN INTENSIVE STUDY OF THREE COLLEGES OF EDUCATION.
	Name of Person and Designation	- <u>Dr. Evelyn Marr</u> - Reader, <u>Dr. L.C. Singh</u> - Lecturer, <u>Mrs. Kamala Arora</u> - Lecturer, <u>Mrs. Satya Priya Gupta</u> - Lecturer.
	Main Aim of Project	- To study the working of the teacher education programme in the colleges of education.
	Description	- About a week to ten days were spent in each college by the research team. Interviews were held with the principals, all the staff members and a sample of students. Interview data were supplemented by observation. The different aspect studied included the syllabus, the Practice teaching, programme, admission, evaluation procedures, instructional method, libraries, reading habits of students, co-curricular activities, hostel facilities, and opportunities for professional growth of staff. A mimeographed report has been prepared.
	Date of Commencement	- January, 1969.
	Expected Date of Completion	- September, 1969.
	Source of Finance	- NCERT funds.
	Method and Anticipated Date of Publication	- Mimeographed in October, 1969.

G - Teacher Training

4. Name of Institution - National Council of Educational Research and Training , India.
- Title of Project - A STUDY OF STATUS OF ELEMENTARY TEACHER EDUCATION.
- Name of Person and Designation - Mrs. Kamla Arora - Lecturer,
Mrs. Ravi Chopra - Technical Assistant.
- Main Aim of Project - 1. To study educational, professional, social, economic and family background etc. of teacher educators working in elementary teacher training institutions with a view to determine their status.
2. To locate strong and weak points about teacher educators and their work with a view to be able to suggest improvement.
- Description - The study was conducted in ten States of India. Three hundred and eighteen teacher educators working in elementary teacher training institutions responded to the questionnaire. The main findings of the study have been reported under different headings such as general information, educational background, occupational background, information about work, economic status, family background, social affiliation, opinion about job status, summary and conclusions.
- Date of Commencement - June, 1967.
- Expected Date of Completion - March, 1969.
- Source of Finance - NCERT funds.
- Method and Anticipated Date of Publication - Mimeographed in October, 1969.
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- Name of Institution - Department of Education, University College, Nairobi.
- Title of Project - THE AREAS OF DIFFICULTY TO LEARNERS OF ENGLISH AS A SECOND LANGUAGE WITH PARTICULAR REFERENCE TO KIKUYU (INCLUDING MERU AND EMBU).
See F.16
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5. Name of Institution - Department of Education, University College, Nairobi.
- Title of Project - TRENDS IN TEACHER EDUCATION WITH PARTICULAR REFERENCE TO THE KENYA INSTITUTE OF EDUCATION.

G - Teacher Training

Name of Person and Designation	- <u>Joseph A. Lijembe</u> - Secretary, Kenya Institute of Education.
Date of Commencement	- March, 1969.
Expected Date of Completion	- September, 1970.
Source of Finance	- Ministry of Education/private.
Method and Anticipated Date of Publication	- Not envisaged.
<hr/>	
6. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- THE ATTITUDES OF SOME TRAINEE-TEACHERS IN TANZANIA TO RELIGIOUS EDUCATION.
Name of Person and Designation	- <u>M.D. Francis</u> - Secondary school teacher.
Expected Date of Completion	- February, 1969.
Source of Finance	- Private.
Method and Anticipated Date of Publication	- Not envisaged.
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7. Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- INVESTIGATION OF ATTITUDES TO EDUCATION OF DIPLOMA OF EDUCATION STUDENTS.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- 38 British graduates and 19 E. African were the subjects of this study. First of all, the two groups' interpretation of the good and bad qualities of teachers was investigated. Secondly, the Minnesota Teacher Attitude Inventory was applied to both groups. Comparisons were made.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available:
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala.

G - Teacher Training

	(b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material
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8. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- INVESTIGATION OF OPINIONS ON THE TEACHERS FOR EAST AFRICA SCHEME ON THE PART OF THE TEACHERS INVOLVED.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- By questionnaire, the opinions and feelings of 50 T.E.A. teachers were investigated. 45 were British, 5 were Australian, and their age range was 22 to 29 years. They were questioned on the following topics:- adjustment of attitudes and teaching methods; material and psychological benefits; social contacts with other ethnic groups; adjustment to present environment; interracial group contacts; impressions of their experiences at Makerere; attitudes of Africans towards expatriates' own countries; race relations of own countries with E. Africa; desirable length of time for teaching in E.A.; impressions of schools in E.A.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institution of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.
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Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.

G - Teacher Training

Title of Project	- PRACTICAL AUDIO-VISUAL TRAINING FOR 500 STUDENTS. See F. 19
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9. Name of Institution	- Institute of Education, University of Zambia.
Title of Project	- A TEACHER EDUCATION PROGRAMME FOR PRIMARY TEACHERS' COLLEGES IN EMERGING AFRICAN COUNTRIES.
Name of Person and Designation	- <u>Bernard A. Gagne</u>
Main Aim of Project	- An analysis of the traditional components of Primary Teacher Education as applied in East and Central Africa (their objectives, methods of implementation and effectiveness), with a view to developing a more rational, effective and cohesive Teacher Education Programme for these countries.
Date of Commencement	- January, 1968.
Expected Date of Completion	- Mid-1970.
Source of Finance	- Nil.
Method and Anticipated Date of Publication	- Possible publication as a paper of the School of Education, University of Zambia.
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10. Name of Institution	- School of Education, University of Botswana, Lesotho and Swaziland, Lesotho.
Title of Project	- EVALUATION OF SUCCESS OF UP-GRADING PROGRAMME FOR UNQUALIFIED PRIMARY SCHOOL TEACHERS.
Name of Person and Designation	- <u>Professor J.D. Turner</u> - Director, School of Education.
Description	- An attempt is being made to test the effectiveness of an upgrading course for unqualified primary school teachers. The course consists of a series of three 3-week courses at annual intervals, together with assignment work during the remainder of the year. Two intakes have now completed the course and it is hoped to discover to what extent the project has been successful.
Date of Commencement	- 1968.
Expected Date of Completion	- 1970.

G - Teacher Training

Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION COURSE. See A.10
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Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- FOLLOW-UP STUDY 1969. See A.11
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11. Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education.
Title of Project	- REVIEW OF RECENT LITERATURE RELATING TO TEACHER EDUCATION IN THE COMMONWEALTH.
Name of Person and Designation	- <u>W.A. Dodd</u> - Lecturer in Education in Tropical Areas.
Main Aim of Project	- To provide a survey of developments and experiments in teacher education.
Description	- Abstracts and a bibliography will be provided of selected literature, an attempt will be made to identify trends and new features that may be of special interest to countries concerned with the expansion and development of teacher education.
Date of Commencement	- 1969, May.
Expected Date of Completion	- 1970.
Source of Finance	- Commonwealth Secretariat (Education Division), and the University of London Institute of Education.
Method and Anticipated Date of Publication	- Pamphlet to be published by the Commonwealth Secretariat, 1970.
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12. Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education and University of Malawi: Soche Hill College.
Title of Project	- SANDWICH POSTGRADUATE TEACHER TRAINING PROJECT.

G - Teaching Training

Name of Person and Designation	- <u>Professor L.J. Lewis</u> - Head of E.T.A. Department; <u>Professor Doris Lee</u> ; <u>Mr. K. Harrison</u> ; <u>Mr. H. Hawes</u> ; <u>Mr. W.A. Dodd</u> (University of London Institute of Education, <u>Professor Paul Hirst</u> (King's College, University of London). <u>Professor Malcolm Lovegrove</u> , member of the academic staff University of Malawi and of the Ministry of Education.
Main Aim of Project	- To provide a course for graduates leading to the award of a post-graduate professional certificate in education without requiring one additional year of full-time study after completion of first degree studies.
Description	- Theoretical studies are provided in two vacation terms of approximately eight weeks. The school year between the vacation sessions is treated as a probationary year of supervised school practice.
Date of Commencement	- The first exercise was carried out July 1968-69. It is expected that it will be repeated in 1970-71 and possibly 1971-72.
Source of Finance	- The University of London Institute of Education participation is financed by Ministry of Overseas Development. Provision being made for three persons to be available each vacation term.
Method and Anticipated Date of Publication	- The form and date of publication of a report has not yet been determined. Reports will be made available to the University participants, the Ministry of Education, Malawi, and the Ministry of Overseas Development.
13. Name of Institution	- University of the West Indies Institute of Education, Jamaica, W.I.
Title of Project	- THE TEACHING INTERSHIP PROGRAMME: REPORT 1967/68. 3 volumes.
Name of Person and Designation	- <u>Dudley R.B. Grant</u> - Lecturer.
Description	- Volume 2: Beginning Teachers - Their professional concerns, difficulties and responsibilities. Volume 3: An analysis of some reactions of interns.

H - CURRICULUM

General, primary secondary; individual subjects

Name of Institution	- Department of Education, University of Canterbury, New Zealand.
Title of Project	- AN ATTEMPT TO QUANTIFY CRITERIA FOR ASSESSING LEVEL ON BEEBY'S STAGES BY COMPARISON OF PRIMARY EDUCATION SYSTEMS IN QUEENSLAND AND NEW GUINEA. See F.1.
<hr/>	
Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- ANTECEDENTS OF ACHIEVEMENT MOTIVATION IN ABORIGINAL-AUSTRALIAN AND WHITE-AUSTRALIAN GIRLS. See E.3
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Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- A STUDY OF CHILD GROWTH AND DEVELOPMENT IN ABORIGINES. See E.1
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1. Name of Institution	- University of Sydney, Australia.
Title of Project	- RAPID DEVELOPMENT IN SCIENCE AND TECHNOLOGY AND THEIR IMPLICATION FOR SCIENCE EDUCATION IN DEVELOPING COUNTRIES WITH PARTICULAR REFERENCE TO THE PHILIPPINES.
Name of Person	- <u>Aurelio Juele</u>
Main Aim of Project	- To point out the implications of scientific and technological developments for science education in developing countries, with particular reference to the Philippines.
Description	- The project is in two Parts, the first of which examines the implications of scientific and technological developments on (i) the curriculum, its aims, content, method, textbooks, materials and facilities and evaluation procedures; (ii) teacher training; (iii) administration and supervision. This section also draws up recommendations which might be pertinent and

H - Curriculum

applicable to countries as they try to develop their science education programmes. The second section is a science curriculum for Filipino students in the first two years in high school, taking into account the rapid advances in science and technology and the present stage of development of the Philippines.

Date of Commencement	- 1961
Expected Date of Completion	- 1969
Source of Finance	- Unknown.
Method and Anticipated Date of Publication	- Thesis presented 1969.
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2. Name of Institution	- Monash University, Australia.
Title of Project	- TEACHING SOCIAL SCIENCE CONCEPTS IN PRIMARY 'T' SCHOOLS IN THE TERRITORY OF PAPUA AND NEW GUINEA.
Name of Person and Designation	- <u>Dr. J.F. Cleverley</u> - Senior Lecturer in Education; <u>Mr. G.L. Johnston</u> - Lecturer
Main Aim of Project	- The main aim of the project was to determine the feasibility of teaching social science concepts to primary school children in the Territory.
Description	- The first stage of the project involved a survey of existing practices in the teaching of Social Studies in Primary 'T' schools. As a result of this investigation, and using the knowledge of local conditions thus acquired, two curriculum units were placed in each of two schools, one at baruni on the outskirts of Port Moresby and the other at Goroka in the Eastern Highlands. One unit was directed to the teaching of the concept of 'the family', to Standard III pupils, and the other to the teaching of the concept government, to Standard V pupils. Teachers of the units were provided with detailed lesson guides and several lessons in 'the family' unit were in programmed form. Suggestions for provision of administrative arrangements for Social Studies curriculum innovation arose from the general conclusion with regard to the success of the units: 'a concept approach to the teaching of Social Studies in the territory is a feasible alternative to the existing syllabus. Such an approach could provide the basis for the development

H - Curriculum

of an understanding of society more general in its application than can be acquired through a more information-oriented syllabus.'

Date of Commencement	- November, 1967.
Expected Date of Completion	- December, 1968.
Source of Finance	- Department of Education, Territory of Papua and New Guinea.
Method and Anticipated Date of Publication	- A report on the investigation, containing proposals for curriculum reform, was submitted to the Education Department at the end of 1968. This document has been used in discussion of curriculum reforms by a Committee of the Department.
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3. Name of Institution	- Monash University, Australia.
Title of Project	- AN EVALUATION OF SOME ASPECTS OF SCIENCE CURRICULA IN TERRITORY OF PAPUA AND NEW GUINEA SECONDARY SCHOOLS.
Name of Person and Designation	- <u>Lindsay D. Mackay</u> - Lecturer in Education.
Main Aim of Project	- To commence an evaluation of Secondary-School Science courses in T.P.N.G.
Description	- Tests of physics readiness, the Test on Understanding Science and T.P.N.G. examination papers have been used to determine the achievement of students at the end of T.P.N.G. Secondary School science courses. Comparison of performance of T.P.N.G. students and Victorian students on these measures have been made.
Date of Commencement	- 1967.
Expected Date of Completion	- 1971
Source of Finance	- Educational Research Grant, Department of Education, T.P.N.G.
Method of Anticipated Date of Publication	- Preliminary report titled "An evaluation of some aspects of science curricula in Territory of Papua and New Guinea Secondary Schools" was published by Education Department, T.P.N.G., in August 1968. Future reports will be submitted to the Papua and New Guinea Journal of Education in 1969 and 1970.

H - Curriculum

Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN THE SOCIAL SCIENCES. See C.5
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- TEACHING AND LEARNING MATERIALS FOR THE NEW SOCIAL SCIENCES SYLLABUS FOR SECONDARY SCHOOLS. See 1.2
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE SCHOOL BROADCAST AS RESOURCE MATERIAL FOR EDUCATION IN PAPUA AND NEW GUINEA. See C.6
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN ENGLISH. See C.5
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF TEACHING AND LEARNING MATERIALS IN SCIENCE. See C.4
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4. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- THE CURRICULA OF CHINESE SECONDARY SCHOOLS: A COMPARATIVE STUDY OF TAIWAN, MAINLAND CHINA AND HONG KONG, 1949-64.
Name of Person and Designation	- <u>Christine Wong</u>
Description	- A comparative survey of syllabuses and teaching methods in use in Chinese Middle Schools in Taiwan, Mainland China and Hong Kong over the years 1949-64.
Date of Commencement	- July, 1967.
Expected Date of Completion	- June, 1969.
Source of Finance	- Department of Education, University of Hong Kong and private sources.

H. Curriculum

5. Name of Institution - Department of Education, University of Hong Kong.
- Title of Project - SEX EDUCATION WITH SPECIAL REFERENCE TO HONG KONG.
- Name of Person and Designation - Katherine Y.T. Ho
- Description - A comparative psychological survey of sex education syllabuses and methods in use in U.K. and elsewhere, with an analysis of the problems involved and an appraisal of the values of the courses for Hong Kong.
- Date of Commencement - November, 1969.
- Expected Date of Completion - December, 1971.
- Source of Finance - Department of Education, University of Hong Kong, and private sources.
-
6. Name of Institution - School of Education, University of Singapore.
- Title of Project - CHINESE AS SECOND LANGUAGE TESTS FOR PRIMARY SCHOOLS.
- Name of Person and Designation - Gwee Yee Hean - Acting Director of the School, with the collaboration of Messrs. Chew Kok Chang, Ng Yew Kiat and Cheah Chak Mun.
- Description - Six books will be prepared, one for each school year. A total of about 2,000 characters will be used.
- Date of Commencement - Early 1969.
- Expected Date of Completion - Late 1970.
- Method and Anticipated Date of Publication - To be undertaken by the Educational Publication Bureau of the Ministry of Education.
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7. Name of Institution - School of Education, University of Singapore.
- Title of Project - CHINESE EDUCATION PROJECT.
- Name of Person and Designation - Gwee Yee Hean - Acting Director of the School.
- Main Aim of Project - All important documents on the subject will be collected. A chronology of important educational events will be drawn up. A descriptive account of the development of Chinese Education during this period will follow.

II - Curriculum

Date of Commencement	- Mid-1967.
Expected Date of Completion	- Late 1970.
Method and Anticipated Date of Publication	- Uncertain yet.
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8. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- FUNDAMENTAL RESEARCH ON LANGUAGE AND LINGUISTIC BEHAVIOUR.
Name of Person and Designation	- <u>Professor T.S. Mehta</u> <u>Anil Vidyalankar</u> - Reader, <u>Dr. M.G. Chaturvedi</u> - Reader.
Main Aim of Project	- To do basic research on such aspects of language and linguistic behaviour as are directly related to learning and teaching of language.
Description	- Modern linguistic research is throwing light on some deeper and so far hidden aspects of the nature of language and the linguistic behaviour of man. It is now widely recognised that the best way to study mind is to study language. It is proposed to hold some seminars to collect important ideas regarding language from the Eastern and Western sources and then take up specific research projects that may provide more precise knowledge regarding various facets of linguistic behaviour both of children and adults.
Date of Commencement	- October, 1969.
Expected Date of Completion	- It will be an on-going project.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- The project will be carried out through seminars, workshops, research studies and experiments in selected areas. The first publication is expected to be out by the end of 1970.
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9. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- A LINGUISTIC ANALYSIS AND DESCRIPTION OF THE PHONOLOGICAL VARIATIONS IN STANDARD HINDI.
Name of Person and Designation	- <u>Professor T.S. Mehta</u> <u>Dr. M.G. Chaturvedi</u> - Reader.

H-Curriculum

Main Aim of Project	<ul style="list-style-type: none">- The following may be regarded as the specific objectives of the research study:<ol style="list-style-type: none">1. To survey the Hindi speech sounds in the Hindi-speaking areas.2. To study the divergent pronunciation of Hindi speech sounds.3. To arrive at the norm of standard Hindi sounds.4. To analyse the standard Hindi sounds and sound-features i.e. segmental and super-asegmental phonemes of standard Hindi.5. To describe the segmental and super-asegmental phonemes of standard Hindi along with their allophonic and dialectal variations.6. To arrive at the phonological structure of standard Hindi.
Description	<ul style="list-style-type: none">- The standard pronunciation of standard Hindi, unlike British R.P. or standard American pronunciation of English has not yet been linguistically defined. From the point of view of phonology, standard Hindi has many dialects as there are "dialects" or languages spoken in the so-called Hindi-speaking areas. But at the same time there is a type of pronunciation or the phonology of standard Hindi which could be accepted as a norm; and is generally accepted to be so. This phonology or the standard form of spoken Hindi is to be identified and then the phonological variations in Hindi in its dialect areas are to be studied.
Date of Commencement	<ul style="list-style-type: none">- July, 1968.
Expect Date of Completion	<ul style="list-style-type: none">- July, 1971.
Source of Finance	<ul style="list-style-type: none">- NCERT funds.
Method and Anticipated Date of Publication	<ul style="list-style-type: none">- The results of the project will be presented and published in the following two forms in 1971-72:<ol style="list-style-type: none">1. A Reference Book on "A Linguistic Study of Hindi Phonology".2. Approximately 20 hand-books for teachers of Hindi in different dialect areas of Hindi-speaking states on "The Teaching of Spoken Hindi, Its Problems and Methods."
10. Name of Institution	<ul style="list-style-type: none">- National Council of Educational Research and Training, India.
Title of Project	<ul style="list-style-type: none">- NATIONAL SCIENCE TALENT SEARCH SCHEME.

H - Curriculum

Name of Person and Designation	- <u>Dr. M.C. Pant</u> and other members of the Department of Science Education.
Main Aim of Project	- 1. To locate and nurture talented students with an aptitude for science selected at the end of the secondary stage. 2. To improve the methods of teaching science in schools by this method.
Description	- The scheme provides for the selection and nurturing of gifted students in science and mathematics at the close of the secondary stage. About 350 awards are made each year under the scheme. Each year these students are made to attempt 4-5 weeks Summer Programme organised at the University Centres in order to provide an enriched and accelerated experience in their areas of study. At present there are about 820 awardees receiving assistance under the scheme.
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11. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- STUDY OF THE PRESENT POSITION OF LANGUAGES IN THE SCHOOL CURRICULUM IN DIFFERENT STATES AND UNION TERRITORIES OF INDIA.
Name of Person and Designation	- <u>Professor T.S. Mehta</u> <u>Dr. M.G. Chaturvedi</u> - Reader, <u>B.V. Mohle</u> - Senior Research Assistant.
Main Aim of Project	- To assess the position with regard to the study of different languages at different stages of school education in different states and Union territories in India.
Description	- Under the study, following aspects are being considered: 1. Languages studied in different states at different stages of school education and to assign them to the language families to which they belong; 2. Status (Compulsory or optional) of the languages being studied at different stages in different states; 3. The weightage assigned to different languages in the total instructional programme of the curriculum as revealed by the allotment of time and marks in examination. 4. The stages when second, third and classical languages are introduced; 5. The objectives of teaching first, second and third languages as envisaged in the syllabi of the States.

H - Curriculum

Date of Commencement	- July, 1968.
Expected Date of Completion	- July, 1970.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- The report of the study will be published in a book form entitled "A Critical Study of Language Instruction in India" by the NCERT in 1970.
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12. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- A STUDY OF THE AKAMBA TRADITIONAL EDUCATION AND ITS RELATIONSHIP WITH FORMAL PRIMARY SCHOOLING.
Name of Person and Designation	- <u>David N. Kimilu</u> - Secondary school teacher.
Date of Commencement	- September 1969.
Expected Date of Completion	- June, 1971.
Source of Finance	- Ministry of Education/private
Method and Anticipated Date of Publication	- Not envisaged.
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13. Name of Institution	- Department of Education, University College, Nairobi, Kenya.
Title of Project	- GENERAL STUDIES IN THE FIFTH AND SIXTH FORMS IN KENYAN SCHOOLS.
Name of Person and Designation	- <u>Anthony J. Reynolds</u> - Secondary school teacher.
Date of Commencement	- November, 1968.
Expected Date of Completion	- July, 1970.
Source of Finance	- Ministry of Education/private
Method of Anticipated Date of Publication	- Not envisaged.
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14. Name of Institution	- Department of Education, Makerere University College.
Title of Project	- PREPARATION OF MATHEMATICS TEXTBOOKS AND TEACHERS' GUIDE FOR SECONDARY SCHOOL.
Name of Person and Designation	- <u>Moirra Harbottle</u> - Senior Lecturer (Maths); in conjunction with teachers

H-Curriculum

	and educators in Uganda, Kenya and Tanzania.
Main Aim of Project	- To produce textbooks suitable for pupils in East Africa for the first four years of secondary school on 'New Mathematics'. To produce Teachers' Guides for this material for teachers who are unfamiliar with these new approaches.
Description	- The aim of the project was to adapt the School Mathematic Project books for use in East Africa. After a year of this the aim changed to writing tests for East Africa with the S.M.P. texts as a guide. Ideas from teachers and from the experience of authors were incorporated into the tests. The project has an Editorial Board which guides the writing of the tests. The writing of the tests is done by practising teachers in the schools. Most of the work is done in the spare time of these teachers and of the Editorial Board, although there are two full-time members of the Board in Nairobi.
Date of Commencement	- July, 1965.
Expected Date of Completion	- 1972.
Source of Finance	- From the writers' pocket (most people are out of pocket on the early books) and in the last years from the publishers.
Method and Anticipated Date of Publication	- The Project has produced six books: School Mathematics Project of East Africa, Books 1-4, Draft editions 1956, 1966, 1967, 1968. School Mathematics of East Africa, Book 1, 1968. School Mathematics of East Africa, Book 2, 1969. It is proposed to publish Book 3 in 1970, Book 4 in 1971. Teachers' Guides are due to be published in 1970, 1971, 1972, 1973 respectively, although it may be possible to put more writers on to them after 1970 and complete them by 1972.
Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.
Title of Project	- THE PRODUCTION AND REPRODUCTION OF ILLUSTRATIONS FOR USE IN PRIMARY SCHOOLS IN UGANDA. See I.5

H - Curriculum

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| 15. | Name of Institution | - Makerere University College, Uganda. |
| | Title of Project | - SCHOOL SCIENCE PROJECT: PHYSICS. |
| | Name of Person and Designation | - <u>M.K. Woolman</u> - Senior Lecturer in Education (Physics). |
| | Main Aim of Project | - To develop a secondary school physics course appropriate for E. Africa. |
| | Description | - Stemming from a physical Science Curriculum Conference in April, 1966 and a refresher course for physics teachers in April, 1967, a Physics Working Party was set up which has met monthly for two years to work out, on the basis of East Africa needs and in active collaboration with those concerned in Kenya and Tanzania, a secondary school physics course outline and suitable teaching approaches. This draft course is being tried out in a limited number of secondary schools. Feedback reports from these schools are analysed as a basis for revision, and revised support materials for both teachers and pupils are being prepared for publication as the Ministries of Education may desire. |
| | Date of Commencement | - Effectively June, 1967 (groundwork in previous 18 months). |
| | Expected Date of Completion | - About 1973, but ongoing revision envisaged as essential. |
| | Source of Finance | - CREDO (London) and Uganda Ministry of Education. |
| | Method and Anticipated Date of Publication | - To be decided upon by Ministries of Education. |
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| 16. | Name of Institution | - Human Development Research Unit, University of Zambia. |
| | Title of Project | - FIRST LANGUAGE INTERFERENCE IN THE USE OF ENGLISH BY ZAMBIAN SCHOOLCHILDREN. |
| | Name of Person and Designation | - <u>Dr. Robert Serpell</u> - Lecturer in Psychology. |
| | Main Aim of Project | - Estimation of the importance of interference errors in the classroom. |
| | Description | - This research follows up the demonstration in earlier research (Serpell, R. (1968) Selective attention and interference between first and second languages. <u>I.S.R. Communication, 4</u> , Lusaka: |

H - Curriculum

University of Zambia) that patterns of error differ among English-speaking, Gujerati-speaking and Bantu-language-speaking pupils equated for general error rate in English. Errors which can reliably be traced to interference by the first language will be compared in frequency among secondary-school pupils to other types of error.

Date of Commencement	- January, 1970.
Expected Date of Completion	- October, 1970.
Source of Finance	- British Government, Ministry of Overseas Development Grant to University of Zambia for Human Development Research Unit.
Method and Anticipated Date of Publication	- HDRU Report in 1970, subsequently in African journal.
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17. Name of Institution	- Science Education Centre, School of Education, University of Zambia.
Title of Project	- PRIMARY SCIENCE CURRICULUM PROJECT.
Name of Person and Designation	- <u>G.W.G. Fulcher</u> - Research Fellow.
Main Aim of Project	- To provide stimulating experiences for young Zambian children and thereby lay the foundation of scientific concepts.
Description	- The specific objectives are: (a) training in sensory discrimination (b) free and directed play with games and constructional toys (c) systematic introduction to experiences designed to develop the concept of classification (d) activities designed to develop manipulative skills (e) experiences designed to develop the concept of space (f) experiences designed to develop some ideas of seriation (g) some experiences outlined above to develop reasoning skills. General aim: performance and intellectual growth of children entering school can be significantly improved by providing stimulation in the form of mechanical and constructional play materials within the classroom.
Date of Commencement	- The present phase was started in June, 1968.

H- Curriculum

Expected Date of Completion	- First phase June 1970, then Grade 3 and Grade 4 by January 1972.
Source of Finance	- Initially Baird and Tatlock Co., London, England, then internal funding from June 1970.
Method and Anticipated Date of Publication	- First stage publication regarding the first two years of formal education - March 1970.
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18. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- THE DESIGN AND PRODUCTION OF A SUITABLE TEXTBOOK OR A SERIES FOR SCHOOL CERTIFICATE GEOGRAPHY IN WEST AFRICA.
Name of Person and Designation	- <u>Dr. J.A. Majasan</u> - Associate Professor of Education.
Main Aim of Project	- To produce a text book or series of textbooks which will give satisfactory geographical knowledge required by young citizens of the modern age in the West African setting.
Description	- The establishment of a small field unit to collect local examples of standard geographical terms, physical, social short trial texts written from the human approach to link them with people's activities food, development and information from other parts of the world. The University Staff School and the International School may be convenient institutions for trying out such texts.
Date of Commencement	- October, 1968.
Expected Date of Completion	- December, 1972 (if supported with grants).
Source of Finance	- Grants from outside bodies.
Method and Anticipated Date of Publication	- Depends on the availability of funds.
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19. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- AN INVESTIGATION INTO THE TEACHING OF HISTORY IN WESTERN NIGERIA WITH PARTICULAR REFERENCE TO SELECTED SECONDARY GRAMMAR SCHOOLS.

H - Curriculum

Name of Person and Designation	- <u>Samuel A. Adejunmobi</u> - Lecturer in History Teaching and Comparative Education.
Description	- 1. Review of the literature on the objectives of history taught at the secondary school level and the methods of teaching it. 2. Determination of the extent to which secondary school history teachers have conformed or deviated from the universally accepted principles of history teaching. 3. Determination of the position of history among subject preferences in the Western State of Nigeria. 4. Determination of differentiated interests of boys and girls in history, if any.
Date of Commencement	- October 1st, 1967.
Expected Date of Completion	- June, 1971
Source of Finance	- Personal and Senate Research Fund.
Method and Anticipated Date of Publication	- Method would be primarily that of educational survey and hypothesis testing. Date not known.
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20. Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- REVISION OF NEW OXFORD ENGLISH COURSE (NIGERIA), TEACHERS AND PUPILS BOOKS 1, 2, 3, 4, 5 and 6.
Name of Person and Designation	- <u>Professor D.C. Miller</u> - Professor of Education.
Main Aim of Project	- 1. Provision of up-to-date textbooks for teaching and learning English in Nigerian primary schools. 2. Dissemination through the Teachers Books of detailed statement of application of modern ideas and procedures in non-mother-tongue language teaching.
Description	- 1. Through revision of all reading material in the original series including the provision of new material where necessary. 2. Complete replacement of former exercise material in the Pupils Books with <ol style="list-style-type: none">graded exercises from Book 2 to Book 6 in English structure;graded comprehension exercise course in Books 2 to 6;

H- Curriculum

- iii) new composition course in Books 5-6.
- 3. Provision of a completely new series of Teachers Books providing, inter-alia:
 - i) detailed description of the teaching of each new item throughout the course;
 - ii) detailed account of the aim and treatment of each exercise in all the Pupils Books;
 - iii) complete listing of every item of vocabulary so that for example the first presentation of putting (pres. cont.) putting (past. cont.) putting (gerund), etc. is separately listed, the first presentation of the 38 different uses of to in Book 2 only are separately listed, etc.;
 - iv) complete listing of each new structure presented.

Date of Commencement	- 1966.
Expected Date of Completion	- 1972.
Source of Finance	- None.
Method and Anticipated Date of Publication	- Teachers & Pupils, Book 1: 1967; " " " 2: 1968; " " " 3: 1969; " " " 4: in the press; " " " 5: in preparation.

Name of Institution	- Nigerian Institute for Social and Economic Research, Nigeria.
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Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEM. See M.10
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21.	Name of Institution	- College of Education, University of Lagos.
	Title of Project	- PROGRAMMING OF PHYSIOLOGICAL-BIOCHEMICAL TOPICS FOR USE IN UNDERGRADUATE BIOLOGY INSTRUCTION.
	Name of Person and Designation	- <u>Professor D. Morgan</u> - Associate Professor of Education.

22.	Name of Institution	- College of Education, University of Lagos.
	Title of Project	- A STUDY OF FACTORS IN TEACHER-PUPIL RELATIONSHIPS AS MATERIAL FOR THE FORMULATION OF AN INTEGRATED PRIMARY LEVEL CURRICULUM.

II - Curriculum

Name of Person and Designation	- <u>Professor D. Morgan</u> - Associate Professor of Education, in conjunction with <u>Dr. J.E. Adetoro</u> , <u>E.O. Fagbongbe</u> and <u>B.A. Babalola</u> .
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23. Name of Institution	- Faculty of Education, Ahmadu Bello University, Nigeria.
Title of Project	- ATTITUDE AND ACHIEVEMENT IN A PROGRAMMED UNIT OF GEOGRAPHY.
Name of Person and Designation	- <u>P.O. Okunrotifa</u> - Lecturer in Education, Department of Education.
Main Aim of Project	- (a) To measure the attitude of Nigerian Pupils towards geography when it is presented by programmed instruction. (b) To measure the attitude of the pupils towards programmed instruction. (c) To find the correlation between the attitude towards geography and attitude towards programmed instruction and achievement in geography.
Date of Commencement	- July, 1969.
Expected Date of Completion	- 1970.
Source of Finance	- Department of Education, A.B.U., Zaria.
Method and Anticipated Date of Publication	- October - December 1970.
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24. Name of Institution	- Faculty of Education, University of Ife.
Title of Project	- SCIENCE TEACHING IN SECONDARY INSTITUTIONS IN WESTERN NIGERIA.
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25. Name of Institution	- Njala University College, University of Sierra Leone.
Title of Project	- CONSERVATION OF QUANTITY AMONG MENDE CHILDREN.
Name of Person and Designation	- <u>Dr. R. Ogbonna Ohuche</u> - Senior Lecturer, Teacher Education Director, Experimental School.
Main Aim of Project	- Investigate aspects of Piaget's theory and determine implications for the mathematical education of Mende children.
Description	- An individually administered oral test that was prepared locally is being given to children between the ages of 5 and 7+ in 16 schools in the Southern and Eastern Provinces of Sierra Leone. The idea is

H - Curriculum

		to test the validity of Piaget's stage-dependent theory in this setting. Variables like the type and location of school have been considered in the design.
	Date of Commencement	- September, 1968.
	Expected Date of Completion	- August, 1969.
	Source of Finance	- Research and Publications Committee of Njala University College.
	Method and Anticipated Date of Publication	- Submission to Journal early 1970.
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26.	Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education
	Title of Project	- CURRICULUM DEVELOPMENT IN PRIMARY EDUCATION IN UGANDA.
	Name of Person and Designation	- <u>H. Hawes</u> - Lecturer in Education in Tropical Areas.
	Description	- Historical study and field observations of past and current curriculum development in Uganda
	Date of Commencement	- October, 1968.
	Expected Date of Completion	- December, 1970.
	Source of Finance	- Self-financed.
	Method and Anticipated Date of Publication	- Copy to be deposited in University of London Library, form of publication yet to be determined.
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27.	Name of Institution	- Institute of Education, University of Keele.
	Title of Project	- DEVELOPMENT AND RECONSTRUCTION OF SECONDARY SCHOOL CURRICULUM IN W. PAKISTAN, WITH SPECIAL REFERENCE TO SOCIAL STUDIES.
	Name of Person	- <u>S.A.S. Kazmi</u>
	Expected Date of Completion	- 1970.
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28.	Name of Institution	- Institute of Education, University of Leeds.
	Title of Project	- AN ANALYSIS AND DEVELOPMENT OF THE LANGUAGE SKILLS REQUIRED FOR NOTE-TAKING.
	Name of Person and Designation	- <u>J.B. Heaton</u> - Lecturer in English for Overseas students.

H - Curriculum

Description	- An investigation into the complex processes involved in note-taking, where English is used as a second or foreign language. The investigation will take into account competence in the second language, bilingualism and also various paralinguistic factors arising from lectures.
Date of Commencement	- October, 1969.
Expected Date of Completion	- 1971.
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29. Name of Institution	- Institute of Education, University of Leeds.
Title of Project	- A SURVEY OF METHODS OF PRESENTATION IN TEACHING ENGLISH AS A SECOND OR FOREIGN LANGUAGE.
Name of Person and Designation	- <u>A.E. Smith</u> - Lecturer in Education.
Main Aim of Project	- To stimulate overseas teachers to use a wider variety of methods of teaching.
Description	- A compilation of the various ways in which language skills can be developed through different types of exercise, with particular reference to secondary-school learners. This may include some discussion of general principles.
Date of Commencement	- April, 1969.
Expected Date of Completion	- 1971-72.
Source of Finance	- None.
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30. Name of Institution	- Institute of Education, University of Leeds.
Title of Project	- THE TEACHING OF WRITING SKILLS.
Name of Person and Designation	- <u>B.E. Foster</u> - Lecturer in English.
Description	- An enquiry into the nature of the skills required, with a view to preparing a writing programme which could be adapted for teaching specialised varieties of written English, e.g. the English of Science, Education, Commerce etc.
Date of Commencement	- 1969.
Expected Date of Completion	- 1970/71.
Source of Finance	- None at present.

H - Curriculum

31. Name of Institution - University of the West Indies, Institute of Education.
- Title of Project - EVALUATION OF AN ORIENTATION WORKSHOP: A PHASE OF CURRICULUM DEVELOPMENT IN MATHEMATICS.
- Name of Person - D.R. Broomes - Research Fellow.
- Brief Background - In 1966, the University of the West Indies, Institute of Education held a mathematics study conference in St. Lucia for mathematics tutors in Teachers' Colleges in the British Caribbean. This Conference produced guides and curriculum materials for Teachers' Colleges. For St. Lucia the immediate product of this conference was a hive of mathematics activities in the Teachers' College and primary schools, and the formation of a committee in 1966 to carry forward and expand the work of mathematics curriculum reforms. Hence the St. Lucia Mathematics Project.
To date the activities of the St. Lucia Mathematics Project have produced:
a) workbooks for pupils
b) manuals for teachers
c) tests for pupils and teachers
d) teaching and learning aids and devices
e) library resources for schools
f) supervisory assistance in mathematics for schools.
- Objectives of Evaluation Workshop - Two considerations motivated the planning and execution of the orientation workshop
1) what is mathematics
2) what constitute curriculum changes in mathematics.
The workshop was to enable participants:
(a) to become acquainted with the philosophy of the mathematics programme
(b) to understand the scope and aims of the St. Lucia Mathematics Project
(c) to study and use the teacher's manual and the pupil's workbook
(d) to plan and construct teaching devices (charts, aids etc.) for use in the Grade 1 programme
(e) to study the functions of aids and other concrete materials in the Grade 1 programme and to acquire skills in using them properly
(f) to acquire and/or reinforce basic mathematical ideas relevant to the Grade 1 programme.

The main hypothesis was that those who underwent the experiences of the workshop would be better able to use the new curriculum materials.

Method of Evaluation

- The design used was a time-series design where measures of certain characteristics of a population were taken at certain intervals and one of these intervals included the experimental treatment. At statistic was used to test the hypothesis of change before and after the experimental treatment. And a X^2 was used to test significance of information collected by questionnaires at the end of each day of the workshop. Data for this study was collected by administering four specially prepared tests on mathematics understanding; on physical, mental and emotional growth of 5-6 year olds; on teaching and learning mathematics to 5-6 year olds; on attitude to mathematics - to 84 teachers attending the workshop.

The main findings of the study show that:

1. Teachers who underwent the experience of the orientation workshop acquired more knowledge and better understanding of the mathematics taught in the new Grade 1 programme.
2. Teachers who underwent the experience of the workshop understood better the physical, mental and emotional characteristics of boys and girls who are in Grade 1 of St. Lucia schools.
3. Teachers who underwent the experiences of the workshop made no significant changes in their attitudes towards mathematics.
4. Teachers who underwent the workshop established profitable relationships with other teachers throughout the school system.
5. The activities of the Workshop were equally attractive to teachers of different abilities and status; to teachers of many years experience as well as to teachers of a few years experience.

Date of Commencement

- 1966.

Expected Date of Completion

- On going project. No date set.

Source of Finance

- St. Lucia Government with Project Co-ordinator provided by the U.W.I. Institute of Education.

H. Curriculum

Name of Institution	- University of the West Indies, Institute of Education, Jamaica, W.1.
Title of Project	- EVALUATION OF AN ORIENTATION WORKSHOP: A PHASE OF CURRICULUM DEVELOPMENT IN MATHEMATICS. See C.29
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Name of Institution	- University of the West Indies Institute of Education, Jamaica, W.1.
Title of Project	- <u>ARITHMETIC TEST REPORT.</u> See C.28
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32. Name of Institution	- University of the West Indies Institute of Education, Jamaica.
Title of Project	- A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT.
Name of Person and Designation	- <u>I.W. Williams</u>
Main Aim of Project	- A science programme for 11-14 year old secondary school students in Trinidad.
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Name of Institution	- Wisconsin State University.
Title of Project	- LINGUISTIC IMPEDANCE AND DIALECT INTERFERENCE AMONG CERTAIN AFRICAN TRIBES. See F. 35
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I - TEXTBOOKS AND READING MATERIALS

Preparation of textbooks; works of reference; supplementary reading materials; libraries organisation and utilisation; reading habits.

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| 1. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - PROGRAMMED LEARNING IN MATHEMATICS. |
| | Name of Person and Designation | - <u>Mr. P.F. Hayward</u> - Lecturer in Education. |
| | Main Aim of Project | - To prepare and test programmed tests suitable for use in Papua and New Guinea high schools for teaching Mathematics. |
| | Description | <p>- Some existing texts covering short topics in Mathematics will be adapted and produced in provisional form. Some texts will also be specially written. These tests will be tested in a variety of high schools in two forms:</p> <ol style="list-style-type: none"> 1. Programmes for Teaching Machines; 2. Texts. <p>The former form will be used to obtain rates of error, and both forms will be compared with normal teaching methods. In the light of results, revisions will be made, and revised programmes tested similarly. Students' motivation to this form of instruction will be evaluated with comparison of programmes with different layouts.</p> |
| | Date of Commencement | - July, 1969. |
| | Expected Date of Completion | - December, 1970. |
| | Source of Finance | - University of Papua and New Guinea. |
| | Method and Anticipated Date of Publication | - Preparation of revised and validated texts, from July 1970-early 1971. |
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| | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - REVISION OF THE EXTENSION MANUAL, DEPARTMENT OF AGRICULTURE. |
| | | See O.1 |
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| 2. | Name of Institution | - University of Papua and New Guinea. |
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I - Textbooks and Reading Materials

Title of Project	- TEACHING AND LEARNING MATERIALS FOR THE NEW SOCIAL SCIENCES SYLLABUS FOR SECONDARY SCHOOLS.
Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education; <u>Mrs. M. Roe</u> - Supervisor, Educational Materials Centre; <u>Mr. P. Jeffery</u> - Papua and New Guinea Education Department and <u>consultants</u> .
Main Aim of Project	- To design teaching and learning materials appropriate to Papua and New Guinea for the first year of the new syllabus in Social Sciences for secondary schools and to co-ordinate field evaluation of the course and its materials.
Description	- At the request of the Department of Education, the Educational Materials Centre, its staff and consultants are to develop the accompanying teaching and learning materials for the first year syllabus. The material includes the Unit and Topic Guides to accompany the Teacher's Guide and the multi-media kit of material for teachers and pupils. This course and its material is to be given its trial tests in selected schools throughout 1970 in preparation for its implementation in all Forms 1 in 1971.
Date of Commencement	- February, 1969.
Expected Date of Completion	- November, 1970.
Source of Finance	- Department of Education.
Method and Anticipated Date of Publication	- Not applicable.
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3. Name of Institution	- The South India Teachers' Union Council of Educational Research.
Title of Project	- PREPARATION OF MATERIALS TO DEVELOP READING READINESS IN CHILDREN OF PRE-SCHOOL AGE AND PREPARATION OF READING MATERIALS FOR THE FIRST TWO YEARS COURSE OF THE PRIMARY SCHOOL BASED ON "THE FUNCTIONAL VOCABULARY OF PRE-SCHOOL AGE CHILDREN".
Name of Persons and Designation	- <u>S. Natarajan</u> - Director of Projects, <u>G. Srinivasachari</u> - Project Officer, <u>P.V. Krishnamurthy</u> - Consultant,

I - Textbooks and Reading Materials

	<p>There is a compact committee of Experts in research and language for advice.</p>
Main Aim of Project	<ul style="list-style-type: none">- 1. To prepare materials for the promotion of reading readiness and use them in initial stages.2. To prepare reading readiness tests and administer them to both school-going and non school-going children of the age group 3+ to 5+3. To prepare reading materials for pre-school age children, on the basis of the analysis of the results of the tests and try them out, (particular attention will be paid to children who are identified as slow learners).4. Based on the experience gained in (3) supra to prepare reading materials for standards I and II based on the Functional Vocabulary of Pre-School age Children, using essential words and expressions listed in previous reports of the Council of Educational Research with a certain emphasis on the use of function words (qualifiers, conjunctives, case particles and tense particles) and try them out in select sections of Standards I and II respectively.
Description	<ul style="list-style-type: none">- Problems concerned with intellectual development of children to read and understand are at present not adequately attended to. Reading readiness materials suitable for children of the Tamil region have to be prepared. The present reading materials are mostly based on vocabulary chosen from printed matter, not from the spoken language familiar to children. Reading materials based on experimental study are needed. The project attempts to satisfy the need.
Date of Commencement	<ul style="list-style-type: none">- August, 1969.
Expected Date of Completion	<ul style="list-style-type: none">- Three years from the date of commencement.
Source of Finance	<ul style="list-style-type: none">- Partially assisted by the Ford Foundation. An application for a grant has been made to the National Council of Educational Research and Training, New Delhi.
Method of Anticipated Date of Publication	<ul style="list-style-type: none">- Established principles and procedures of research methodology will be followed: Interim reports of the projects may be published as yearly reports. Final reports will be printed and published after the completion of the project.

I - Textbooks and Reading Materials

4. Name of Institution - National Council of Educational Research and Training, India.
- Title of Project - SURVEY OF SHCOOL TEXTBOOKS IN INDIA - 1969.
- Name of Person and Designation - K.N. Hiriyaniah - Reader,
D.N. Abrol - Lecturer,
C.L. Kaul - Lecturer,
P.N. Arora - Lecturer,
R.R. Saxena - Lecturer.
- Main Aim of Project - To study the functional aspects of textbooks in all school stages including nationalised, approved, departmental or recommended books in various states.
- Description - The study has revealed that there are nationalised text-books in all the States although the extent of nationalisation differs from State to State and also subjects. In States apart from nationalised textbooks there are approved, departmental, recommended or prescribed textbooks also. There are various committees in each State to look into textbooks in each subject the constitution and composition of which differs from State to State.
- Date of Commencement - April, 1969.
- Expected Date of Completion - September, 1969.
- Source of Finance - NCERT funds.
- Method and Anticipated Date of Publication - The report is likely to be printed in January, 1970.

- Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.
- Title of Project - PRACTICAL AUDIO-VISUAL TRAINING FOR 500 STUDENTS.
See F.19

5. Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University College, Uganda.
- Title of Project - THE PRODUCTION AND REPRODUCTION OF ILLUSTRATIONS FOR USE IN PRIMARY SCHOOLS IN UGANDA.
- Name of Person and Designation - Charles A. Pratt - Co-ordinator.

I - Textbooks and Reading Materials

Main Aim of Project	- A study to find ways of producing and reproducing good quality illustrations at the lowest possible cost.
Description	- A full investigation of the possibilities of duplicated reproduction of line drawings and photographs using stencils reproduced by electric scanners. The Centre's Gestafax Stencil Service makes it possible for local establishments (up-country) to send their illustrations to the Centre and to receive stencils for use on their own duplicators.
Source of Finance	- Equipment in Centre purchased by funds supplied by Carnegie Corporation of New York, remaining expenditure from Institute funds.
Method and Anticipated Date of Publication	- "Lines for Development", November 1969 - an illustrated booklet giving full details of the immediate possibilities for local production of line drawings. Projects continuation of work commenced in Tanzania. A report on the reproduction of photograph by duplicating techniques should be available within 12-18 months.

6. Name of Institution	- Institute of Education, Ahmadu Bello University, Nigeria.
Title of Project	- A SURVEY OF THE AVAILABILITY AND USE OF LIBRARY FACILITIES IN POST-PRIMARY INSTITUTIONS IN THE SIX NORTHERN STATES OF NIGERIA.
Name of Persons and Designations	- <u>Miss M. Vaughan</u> - Institute Library Specialist; <u>Dr. Samuel C. Aleyideine</u> - Senior lecturer, Institute of Education.
Main Aim of Project	- The collection and dissemination of information about libraries in order to permit comparisons and provide guidance for developing libraries constitute the main aims of this project.
Description	- A 25 item questionnaire was constructed and sent out to 119 secondary schools and 57 teacher training colleges situated in this area. The items fall under five major headings: 1. Provision of physical facilities for library materials and for library users. 2. The number and the status of the volumes and other instructional materials available. 3. Training on and regulations about the use of the library. 4. Procedures for replenishing the library.

1 - Textbooks and Reading Materials

5. Staffing the library.

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| Date of Commencement | - The questionnaire was despatched in April 1969. |
| Expected Date of Completion | - It is expected that the report will be ready by April 1970. |
| Source of Finance | - The research is being financed by the Institute of Education. |
| Method and Anticipated Date of Publication | - It will be published by the Institute in April 1970. |
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| Name of Institution | - Department of Education, University of the West Indies, Jamaica. |
| Title of Project | - METHODS OF TEACHING ENGLISH TO SPEAKERS OF WEST INDIAN ENGLISH-BASED CREOLES.
See F. 34 |
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J - SELECTION AND PERFORMANCE OF STUDENTS

Access to education; selection procedures; choice and preference of subjects; performance; behaviour; wastage; operational factors (school environment, residence, staff-student relations); methods of assessment.

Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- A CROSS-CULTURAL STUDY OF THE DEVELOPMENT OF COGNITIVE STRUCTURES IN UNIVERSITY STUDENTS WITH SPECIAL REFERENCE TO ASIAN STUDENTS IN THE UNIVERSITY OF QUEENSLAND. See E.2

1. Name of Institution	- Monash University, Australia.
Title of Project	- THE STUDY HABITS OF OVERSEAS STUDENTS AT MONASH UNIVERSITY AND THEIR RELATIONSHIP TO ACADEMIC PROGRESS.
Name of Person and Designation	- <u>Mr. K.J. McAdam</u> - Senior Lecturer, Faculty of Education.
Main Aim of Project	- To determine whether overseas students follow efficient methods of study and whether the methods followed are jeopardising the students' prospects of academic success.
Description	- The study habits and skills of the first-year overseas students at Monash University were determined by the use of (a) Brown-Holtzmann Survey of Study Habits & Attitudes; (b) Wrenn Study Inventory; (c) Watson-Glaser Critical Thinking Appraisal; and (d) open-ended questions. In addition a further instrument (Overseas Students Study Schedule) was devised and administered. Comparable material was obtained from a control group of Australian Students. Correlation between study habits and academic results (first-year final examinations) will be determined.
Date of Commencement	- 1967.
Expected Date of Completion	- November, 1969.
Source of Finance	- A.U.C. Research Funds.

J - Selection and Performance of Students

Method and Anticipated - Thesis 1969; articles 1970.
Date of Publication

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| 2. | Name of Institution | - Australian Council for Education Research, Australia. |
| | Title of Project | - THE PACIFIC TEST SERIES. |
| | Name of Person and Designation | - <u>D.W. Bruce</u> - Senior Research Officer (and various test authors and adaptors) |
| | Main Aim of Project | - To provide psychological test material suitable for use with aboriginal peoples in Australia, T.P.N.G. and throughout the South Pacific. |
| | Description | - Test material which has been prepared or adapted for local use in the South Pacific area is being collected and edited. The most suitable is being published under the generic title The Pacific Test Series. New tests are continually being added and a programme of data collation undertaken which will provide norms for cross cultural study. Material is included from European Australians, Aboriginal Australians, Papuans, Fijians, Indians and Maoris. It is hoped to include other Pacific groups. |
| | Date of Commencement | - May, 1968. |
| | Expected Date of Completion | - Will continue indefinitely. |
| | Source of Finance | - A.C.E.R. |
| | Method and Anticipated Date of Publication | - Publication of a Handbook of the Pacific Test Series which will allow for progressive cumulation of data. Some parts already published. |
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| 3. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - STUDENTS' PROGRESS IN MATHEMATICS AT SCHOOLS AND UNIVERSITY IN PAPUA-NEW GUINEA. |
| | Name of Person and Designation | - <u>Mr. P.F. Hayward</u> - Lecturer in Education. |
| | Main Aim of Project | - To compare progress of students in Mathematics at Form 3 and 4 at High Schools with progress in Preliminary Year studies and undergraduate courses at the University of Papua and New Guinea. |
| | Description | - The investigation will cover students admitted to the Preliminary Year of the University in 1967, 1968 and 1969. Comparison will be made of marks obtained in Intermediate (Form 3) and School Certificate (Form 4) examinations with subsequent performance in Preliminary Year Mathematics courses. |

1 - Selection and Performance of Students

Further investigation will be made of (1) performance in undergraduate courses in Mathematics and (2) performance in Mathematics of Papuan and New Guinean students who have received some schooling in Australia.

Date of Commencement - July, 1969.
 Expected Date of Completion - December, 1970.
 Source of Finance - University of Papua and New Guinea.
 Method and Anticipated Date of Publication - Preparation of paper detailing test results and procedures for revising tests (anticipated date of publication, December 1970).

4. Name of Institution - Department of Education, University of Hong Kong.
 Title of Project - EXPERIMENTAL STUDIES IN THE SHORT-TERM PREDICTION OF PERFORMANCE AT PUBLIC EXAMINATIONS IN HONG KONG WITH PARTICULAR REFERENCE TO THE SECONDARY SCHOOL ENTRANCE EXAMINATION AND HONG KONG HIGHER SCHOOL CERTIFICATE.
 Name of Person and Designation - W. Fisher-Short
 Description - A statistical study of the predictive value for secondary school success of the battery of Secondary School Entrance Tests given at the end of primary education in Hong Kong, and in both short-term and long-term settings, with other related concomitant social and local studies.
 Date of Commencement - July, 1967.
 Expected Date of Completion - June, 1967.
 Source of Finance - Department of Education, University of Hong Kong and private sources.

5. Name of Institution - Department of Education, University of Hong Kong.
 Title of Project - SECONDARY SCHOOL DROP-OUTS.
 Name of Person and Designation - Norman K. Henderson and Y.W. Fung.
 Description - A field survey to find out the numbers and types of pupils who drop out of secondary school in Hong Kong, and a follow-up to assess the reasons for these drop-outs, and what may be done to alleviate the situation.
 Date of Commencement - October, 1968.

J - Selection and Performance of Students

Expected Date of Completion	- Mid-1970.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- ACHIEVEMENT IN MOTHER TONGUE AND SCIENCE - A PROJECT UNDER INTERNATIONAL COMPARISON OF EDUCATIONAL ACHIEVEMENTS (IEA). See B.6
6. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- DEVELOPMENTAL NORMS PROJECT (2.5 TO 5 YEARS) - (a) CROSS SECTIONAL, (b) LONGITUDINAL.
Name of Persons and Designation	- <u>Dr. (Mrs.) R. Muralidharan</u> - Reader <u>Mrs. U. Bevli</u> - Lecturer <u>P.D. Khera</u> - Senior Research Assistant <u>C.M. Thukral</u> - Senior Research Assistant in collaboration with Dr. K.G. Desai (Ahmedabad) - Hon. Director Dr. N.N. Shukla (Bombay) - " " Dr. D. Sinha (Allahabad) - " " Dr. N.V. Reddy (Hyderabad) - " " P.D. Boaz (Madras) - " " Professor S.K. Bose (Calcutta) - " "
Main Aim of Project	- The project aims to study the pattern of motor, adaptive, language and personal social development of Indian children in the age group 2.5 to 5+ years.
Description	- The study is based on Gessel's developmental tests, suitably modified to suit Indian conditions. The tests were conducted individually by normative and longitudinal methods at seven centres - Delhi, Allahabad, Ahmedabad, Bombay, Calcutta, Hyderabad and Madras and on three types of children, urban, rural and industrial.
Date of Commencement	- (a) Cross-sectional - June, 1964, (b) Longitudinal - June, 1965.
Expected Date of Completion	- (a) Corss-sectional - December, 1969, (b) Longitudinal - December, 1970.
Source of Finance	- Funds of N.C.E.R.T.
Method and Anticipated Date of Publication	- The research report will be published on completion of the project.

J - Selection and Performance of Students

7. Name of Institution - National Council of Educational Research and Training, India.
- Title of Project - PREPARATION OF THE RATING SCALES OF THE SELECTED PERSONALITY TRAITS OF PRIMARY SCHOOL PUPILS OF THE AGE GROUP 6-11.
- Name of Persons and Designation - Dr. M. T. Ramji - (In charge of project).
Miss P. Das Gupta - Research Assistant,
M. P. Rastogi - Technical Assistant.
- Main Aim of Project - To construct a set of rating scales of personality traits of primary school pupils for use in primary schools in different states of India.
- Description
- During the first phase of the project (67-68) a list of 14 personality traits (personal and social qualities) was prepared on the basis of the data collected from the group of 42 persons consisting of teachers of primary schools, researchers and Principals of elementary teacher training institutions. The specifications and relevant school situations pertaining to the 14 personality traits were developed in the form of behavioural schedules.
- In the second phase (68-69) the construct validity of the behavioural schedules was established on the basis of the observational studies of the school behaviours of 344 primary school pupils for a total period of 27 days. In the third phase which is on going during (69-70) refined behavioural schedules were constructed. Based on the refined schedules and on the basis of the series of discussions with a few specialists, experimental rating scales of the selected school situational behaviours of the following 10 personality traits are developed.
1. Cleanliness
 2. Punctuality
 3. Regularity
 4. Co-operation
 5. Leadership
 6. Helpfulness
 7. Honesty
 8. Curiosity
 9. Obedience
 10. Self-confidence.
- The above experimental scales will be tried out in a few selected primary schools of Delhi and the reliability will be established and the construct validity of the scales will be ensured.
- April, 1967.

I - Selection and Performance of Students

Expected Date of Completion	- March, 1970.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- A set of Rating Scales of Personality Traits along with the manual of instructions will be published by the Publication Unit of the NCERT by March, 1970.

8. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- SOCIOMETRY IN THE CLASSROOM.
Name of Person and Designation	- <u>Dr. Atmananda Sharma</u> - Reader.
Main Aim of Project and Description	- The increasing concern of the modern educators with the social and emotional development of students has resulted in the need for objective approach to improved social relations in the classroom. The aim of the project is to demonstrate the utility of sociometric techniques in classroom settings and the preparation of a Handbook on Sociometry for teachers and counsellors. Under this project, following six studies have been completed during 1963-68; <ol style="list-style-type: none">1. Social Status of Pupils and Some of Its Correlates.2. Social Skills and Activities of Populars, Neglectees and Rejectees.3. Personality Characteristics of Populars, Neglectees and Isolates.4. Improving Social and Emotional Climate of the Classroom - Sociometric Seating.5. Improving Social and Emotional Climate of the Classroom - Sharing Responsibility.6. Improving Social and Emotional Climate of the Classroom - Study of Biographies.
Date of Commencement	- 1963.
Expected Date of Completion	- 1969.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- A book will be brought out during 1970.

9. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- A STUDY OF THE EXISTING LEVELS OF ATTAINMENTS OF CHILDREN IN THE MOTHER TONGUE AT THE LOWER PRIMARY, HIGHER PRIMARY AND LOWER SECONDARY STAGES AND ITS RELATIONSHIP WITH SOME SELECTED VARIABLES.

J - Selection and Performance of Students

Name of Persons and Designation	- <u>Professor T.S. Mehta</u> - Reader, <u>Dr. M.G. Chaturvedi</u> - Reader.
Main Aim of Project	- 1. To identify the existing levels of attainment in mother tongue at the three stages of the school education. 2. To find out the relationship of the levels of attainments in mother tongue with some selected variables. 3. To compare the existing levels of attainments.
Date of Commencement	- July, 1968.
Expected Date of Completion	- July, 1971.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- The report of the study will be published by the NCERT in 1972.
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Name of Institution	- University College, Nairobi and Harvard University, U.S.A.
Title of Project	- BASIC PROCESSES IN GROWTH AND DEVELOPMENT OF CHILDREN IN KENYA. See E.16
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Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- CONSTRUCTION AND APPLICATION IN EAST AFRICAN SCHOOLS OF THE GENERAL VERBAL ABILITY TESTS. See E.18
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10. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- DIFFERENCES IN SCORES BETWEEN EAST AFRICAN AND ENGLISH DIPLOMA OF EDUCATION STUDENTS ACCORDING TO OTIS HIGHER EXAMINATIONS.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- Scores of East African and English student teachers were compared, both in an Otis Examination Mental Ability Test and in the Educational Psychology final examination for the Diploma in Education. The hypothesis was that the verbal reasoning bias of the Otis test would favour the English group, but that performance in the Educational Psychology examination would yield a different comparison.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.

1 - Selection and Performance of Students

Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Completion	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.

11. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- SELECTION OF RWANDA REFUGEE CHILDREN FOR HIGHER EDUCATION
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- The aim was to select twelve children for further education in England from a population of Rwanda refugee children living in Uganda. Individual and group tests of intelligence and sociometric ratings form the basis of selection.
Date of Commencement	- November, 1965.
Expected Date of Completion	- Research continuing as long as funds are available.
Source of Finance	- (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala. (b) Makerere University College Research Grant.
Method and Anticipated Date of Publication	- Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.

12. Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- THE STRUCTURE OF INTELLECT.
Name of Person and Designation	- <u>Hamed El-Abd</u> - Professor of Educational Psychology and Head of Department.
Description	- An approach to the measurement of some of the intelligence factors of the East African people was developed from consideration of Dr. Guildford's (1955) definitions of human mental abilities in terms of three of their facets. The hypothesis was, "An American test battery representing different known psychological factors, when analysed in terms of East African undergraduates, will elicit responses exhibiting a factor structure similar to that known in Western culture".

J - Selection and Performance of Students

- Date of Commencement - November, 1965.
- Expected Date of Completion - Research continuing as long as funds are available.
- Source of Finance - (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala.
(b) Makerere University College Research Grant.
- Method and Anticipated Date of Publication - Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.

13. Name of Institution - Department of Educational Psychology, Makerere University College.
- Title of Project - THE LULE NON-VERBAL INTELLIGENCE TESTS.
- Name of Person and Designation - Hamed El-Abd - Professor of Educational Psychology and Head of Department.
- Description - The original tests were designed by Mr. Lule, the present Principal of Makerere College, in 1952 for use in multi-racial schools in Africa. The new edition of the tests was revised during 1966 and 1967.
- Date of Commencement - November, 1965.
- Expected Date of Completion - Research continuing as long as funds are available.
- Source of Finance - (a) The Nuffield Foundation, through authorization by the Institute of Education, Kampala.
(b) Makerere University College Research Grant.
- Method and Anticipated Date of Publication - Mimeographed reports are produced at present by the Educational Psychology Department. Funds are anticipated in the future to make possible printed booklets of the research material.

- Name of Institution - Department of Educational Psychology, Makerere University College.
- Title of Project - THE MATHEMATICAL ABILITY OF EAST AFRICAN STUDENTS.
See C.14

- Name of Institution - Department of Educational Psychology, Makere University College.
- Title of Project - OTIS PERCENTILE RANKS FOR DIPLOMA OF EDUCATION STUDENTS.
See E.21

J - Selection and Performance of Students

Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- INVESTIGATION OF SCHOOL DISCIPLINE IN UGANDA. See E.19
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Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- INVESTIGATION OF UGANDAN STUDENTS' OPINIONS ON THE SCHOOL STRIKES. See E.20
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14. Name of Institution	- Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda.
Title of Project	- HOPES AND ASPIRATIONS OF SECONDARY SCHOOL BOYS IN UGANDA.
Name of Person and Designation	- <u>M.H. Segall</u> - Visiting Professor of Social Psychology, from 1967-1968 and Professor of Social Psychology, Syracuse University.
Description	- Descriptive study of expectations and aspirations of junior secondary pupils in Ankole in 1959. Essays and questionnaires being the methods used.
Expected Date of Completion	- Fully analysed in 1965. Also data on acculturation collected in 1959-1960.
Source of Finance	- Carnegie Corporation of New York.
Method and Anticipated Date of Publication	- Report being written in 1968. Expected date for publication: March, 1969.
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15. Name of Institution	- Department of Sociology, Social Anthropology, Social Psychology and Demography, Makerere University College, Uganda.
Title of Project	- UGANDA LANGUAGE SURVEY.
Name of Person and Designation	- <u>F. Ladefoged</u> - Professor of Linguistic and Head, Uganda Language Survey.
Description	- The survey covers three areas. It includes first a classification of all languages spoken by more than 100,000 people in generic terms. Various formal (linguistic) informal (subjective) and operational measures of linguistic diversity and mutual intelligibility will be used. Secondly there will be studies of which languages are used, by whom and under what circumstances. Official language policies of various institutions will be compared with what is found to happen in practice. The survey also covers language policies operating in schools. An investigation will be made of various factors affecting language

J - Selection and Performance of Students

	achievement, mainly in the primary schools.
Source of Finance	- Ford Foundation Grant to the University of East Africa.
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16. Name of Institution	- Human Development Research Unit, University of Zambia.
Title of Project	- ORIENTATION ERRORS IN COPYING KOH'S BLOCKS DESIGNS.
Name of Person and Designation	- <u>Dr. Robert Serpell</u> - Lecturer in Psychology.
Main Aim of Project	- Analysis of the causes of orientation errors in copying tasks.
Description	- Following the 'response organisation' hypothesis proposed in a previous report (Serpell, R. (1969) Cross-cultural differences in the difficulty of copying orientation: a response organisation hypothesis. <u>IIDRU Reports, 12</u> , Lusaka: University of Zambia - mimeo.) a study has been initiated of the influence of sequential response organisation on the orientation of Koh's Blocks reproductions. Responses of primary school children to the first 5 items of the regular test have been recorded by an overhead cine-camera. Further trials are now being undertaken with selected designs for which the hypothesis generates exact predictions.
Date of Commencement	- May, 1969.
Expected Date of Completion	- October, 1970.
Source of Finance	- British Government, Ministry of Overseas Development Grant to University of Zambia for Human Development Research Unit.
Method and Anticipated Date of Publication	- HDRU Report in 1970, subsequently in international journal.
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Name of Institution	- School of Education, University of Zambia.
Title of Project	- TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. See M.9
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Name of Institution	- School of Education, University of Zambia.
Title of Project	- REPORT OF THE COMMITTEE ON POST-CAMBRIDGE SCHOOL CERTIFICATE STUDIES AND UNIVERSITY ENTRANCE. See A.8
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17. Name of Institution	- Institute of Education, University of Ibadan, Nigeria.

J - Selection and Performance of Students

Title of Project	- "A" LEVEL EXAMINATION PERFORMANCE AS A PREDICTOR OF UNIVERSITY PERFORMANCE AT THE UNIVERSITY OF IBADAN.
Name of Person and Designation	- <u>Dr. J.A. Majasan</u> - Associate Professor of Education.
Main Aim of Project	- To discover the correlation between performance at the Advanced Level Examination or the Higher School Certificate and the subsequent performance in University examinations and to determine how far such examinations can be relied upon for University selection.
Description	- The subjects for study will be the graduates of the University of Ibadan over the years, particularly those who passed "A" Level or the High School Certificate examination as their entry qualification. Actual scores on each academic subject taken will be obtained from the West African Examinations Council and/or the other examining bodies. Scores from University examinations will also be obtained for comparison and analysis by regression and multiple correlation.
Date of Commencement	- October, 1969.
Expected Date of Completion	- December, 1970.
Source of Finance	- University Research Grant and outside sources not yet fully explored.
Method and Anticipated Date of Publication	- Not known.
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Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- PSYCHOLOGICAL CORRELATES OF ACADEMIC SUCCESS AND FAILURE AMONG WESTERN NIGERIAN GRAMMAR SCHOOL PUPILS. See R. 1
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Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- FOLLOW-UP STUDY 1969. See A.11
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18. Name of Institution	- Institute of Education, Ahmadu Bello University, Nigeria.
Title of Project	- A CORRELATIONAL STUDY OF ATTITUDE TOWARDS AND ACHIEVEMENT IN GEOGRAPHY.

I - Selection and Performance of Students

Name of Person and Designation	- <u>P.O. Okunrotifa</u> - Lecturer in Education.
Main Aim of Project	-
Description	- Currently preparing the instrument for data collection; will rely on personal visits and the use of the questionnaire.
Date of Commencement	- It is in the preparatory stage.
Expected Date of Completion	- End of 1969.
Source of Finance	-
Method and Anticipated Date of Publication	-
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Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION COURSE. See A.10
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19. Name of Institution	- Faculty of Education, University of Ife.
Title of Project	- A COMPARATIVE ANALYTICAL SURVEY OF THE ACADEMIC ACHIEVEMENT, SUBJECT FOR SUBJECT, AMONG UNIVERSITY STUDENTS WHO ARE ADMITTED WITH DIFFERENT LEVELS OF QUALIFICATIONS.
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20. Name of Institution	- Faculty of Education, University of Guyana.
Title of Projects	- (1) THE LANGUAGE OF PRIMARY SCHOOL CHILDREN (2) RESPONSE IN PRIMARY EDUCATION (3) RESPONSE IN SECONDARY EDUCATION (PARTICULARLY IN THE FIRST TWO YEARS).
Aim and Description	- In a full day conference with education officers, teacher trainers and representatives of the teachers' association these were identified as the elements in the education system which most hindered the effective introduction of new curricula. Note: The Faculty of Education in Guyana is only two years old and so is only in the first stages of its research programme. The emphasis, however, has been clear viz that team work and co-operative planning shall be applied to action research to assess development in the process of education itself.
Date of Commencement	- September, 1968.
Source of Finance	- Grant from the Carnegie Corporation of New York.
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I - Selection and Performance of Students

21. Name of Institution - New Zealand Council for Educational Research.
- Title of Project - TESTS OF ENGLISH COMPETENCE FOR FOREIGN STUDENTS.
- Name of Persons and Designation - W.B. Elley - Assistant Director, and M. Campion - Research Officer, NZCER.
- Main Aim of Project - To develop a set of tests which could be used by the University Entrance Board to assess the English language skills of students entering N.Z. Universities from Asia and the South Pacific.
- Description - Many students from Asia and the South Pacific enter N.Z. Universities every year, but many are ill-equipped to profit from their study because they lack the requisite command of English language. It is planned to develop a set of tests which measure some or all of the following skills which are presumed to be important in university study: Reading comprehension, listening comprehension, vocabulary, writing skills, mechanics of English.
- The test will be administered in the country of origin of the students who wish to enter a N.Z. University, and the information provided by the tests will be used as a supplement to the academic records provided by the students.
- Date of Commencement - 1970.
- Expected Date of Completion - 1972.
- Source of Finance - University Grants Committee.
- Method and Anticipated Date of Publication - Confidential Tests, 1970, 1971, 1972.
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K - CAREERS

Careers; occupations; training; vocational guidance and counselling.

1. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- RESEARCH ON THE TEACHING OF OCCUPATION.
Name of Persons and Designation	- <u>Dr. Atmananda Sharma</u> - Reader, <u>Miss Usha Bhatnagar</u> - Lecturer.
Main Aim of Project	- The present study aims to evaluate the individual vs. group methods of teaching occupations.
Description	- The youth must not only prove his proficiency in the area of study but is expected equally to gain skill in the selection of his educational or training programme. However due to industrial and technological advancement, with changing pattern of society and specialisation of labour, it becomes difficult to decide and enter into the right type of choice. It is the responsibility of the educational programme to prepare the youngsters to choose wisely by providing needed information at appropriate stages about the world of work and developing and understanding of "self".
Date of Commencement	- 1968.
Expected Date of Completion	- 1971.
Source of Finance	- NCERT funds.
Method and Anticipated Date of Publication	- Research monographs will be brought out during 1972.

2. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- STABILIZATION OF ABILITIES AND INTERESTS AT THE SECONDARY SCHOOLS.
Name of Person and Designation	- <u>Dr. Atmananda Sharma</u> - Reader.
Main Aim of Project	- The empirical study aims to help in determining the reliance which may be placed on different psychological measures and the weight which should be given to these measures in making educational and vocational choices at the higher secondary stage.
Description	- The purpose of the research is to study the differentiating process of general abilities with increasing experience and developing

K-Careers

interest and to determine the age or grade at which different abilities/aptitudes and interest stabilise in higher secondary school children.

- Date of Commencement - 1964.
Expected Date of Completion - December, 1969.
Source of Finance - NCERT funds.
Method and Anticipated Date of Publication - Research Monograph, 1970.
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3. Name of Institution - Department of Education, University College, Nairobi, Kenya.
Title of Project - A STUDY OF THE NEEDS OF THE SPECIAL ROLE OF THE PRIMARY SCHOOL TEACHER IN KENYA.
Name of Person and Designation - Mrs. Ethel W. Peacock.
Date of Commencement - September, 1969.
Expected Date of Completion - June, 1971.
Source of Finance - Private.
Method and Anticipated Date of Publication - Not envisaged.
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- Name of Institution - Department of Education, University College, Nairobi, Kenya.
Title of Project - A STRUCTURAL ANALYSIS OF CAREER CHOICES OF FORM IV STUDENTS IN 1969, IN RELATION TO THE SKILLED MANPOWER REQUIREMENTS, AND THE EDUCATIONAL AND VOCATIONAL OPPORTUNITIES AVAILABLE IN KENYA.
See A.5
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4. Name of Institution - Institute of Development Studies, University College, Nairobi, Kenya.
Title of Project - FOLLOW-UP SURVEY OF THE EMPLOYMENT IN-SERVICE TRAINING OF UNIVERSITY AND SECONDARY SCHOOL LEAVERS IN KENYA.
Name of Person and Designation - John E. Anderson - Visiting Research Fellow.
Main Aim of Project - Increase of the relationship between the Education system and the manpower out-put in developing countries.
Date of Commencement - September, 1969.
Expected Date of Completion - January, 1973.

K-Careers

Source of Finance	- Institute of Development Studies and grants from Foundations.
Method and Anticipated Date of Publication	- No plans yet.
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5. Name of Institution	- Social Science Division, Institute for Development Studies University College, Nairobi.
Title of Project	- SECONDARY SCHOOL AND UNIVERSITY LEAVER TRACER PROJECT.
Name of Persons and Designation	- <u>Dr. James S. Coleman</u> - Director, Social Science Division, <u>Mr. J.E. Anderson</u> - Research Fellow, <u>Mr. E. Rado</u> - Research Reader, <u>Mr. H.C.A. Somerset</u> - Senior Research Fellow.
Main Aim of Project	- To trace the career patterns of secondary and university graduates in order to relate their particular training and aspirations to the type of jobs they eventually obtain and the progress they make in their jobs.
Description	- In tracing samples of Fourth Form, Sixth Form and University graduates, questionnaires related to their social backgrounds, educational attainment, career aspirations and knowledge about the process of finding employment will be given to the students before they leave school. They will be traced during the years that follow graduation, their employment history recorded and their experience evaluated. The results will be useful in curriculum development in schools and as guidance for career masters and the Kenyanization Bureau of the Ministry of Labour.
Date of Commencement	- June, 1969 (Pilot Phase).
Expected Date of Completion	- January, 1970 (Pilot Phase); 1973 (Main Project).
Sources of Finance	- Ministry of Overseas Development, United Kingdom; Rockefeller Foundation, New York, grant to the University College; Overseas Liaison Committee, New York.
Method and Anticipated Date of Publication	- SSD/IDS Discussion Papers and perhaps a Monograph Reports to the Ministry of Labour-Kenyanization Bureau, Ministry of Education, Ministry of Economic Planning and Development, Government of Kenya.
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Name of Institution	- School of Education, University of Zambia.
Title of Project	- TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. See M.9
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K-Careers

Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION COURSE. See A.10
Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- FOLLOW-UP STUDY 1969. See A.11
6. Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- NIGERIAN SCHOOLS AND EMPLOYMENT OPPORTUNITIES.
Name of Person and Designation	- <u>Dr. E.A. Yolo</u> ye - Lecturer in Education.
Name of Institution	- Nigerian Institute for Social and Economic Research, Nigeria.
Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEM. See M.10
7. Name of Institution	- Faculty of Education, University of Ife.
Title of Project	- AN INQUIRY INTO THE CURRENT STATE OF GUIDANCE SERVICES IN SECONDARY SCHOOLS IN THE WESTERN STATE.

L - THE TEACHING PROFESSION

Professional status; social status; conditions of work; values and image; competence.

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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - THE STUDENT-TEACHER: ROLE CHANGE IN TEACHER TRAINING PROGRAMMES IN PAPUA AND NEW GUINEA.
See G.1 |
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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - PROFESSIONAL STATUS OF LOCAL TEACHERS IN PAPUA AND NEW GUINEA. |
| Name of Person and Designation | - <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education. |
| Main Aim of Project | - To supplement existing studies on the professional status of teachers in Asia and Africa. |
| Description | - An analysis of the academic and professional qualifications of local teachers, together with their recruitment and selection, pre- and in-service training status (economic, social, educational, professional), rights and responsibilities under the Public Service Ordinance and Education Ordinance. |
| Date of Commencement | - April, 1969. |
| Expected Date of Completion | - September, 1969. |
| Source of Finance | - University of Papua and New Guinea. |
| Method and Anticipated Date of Publication | - Articles in Journal of Education, Papua and New Guinea, about March, 1970. |
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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - ADVANCE KNOWLEDGE AND EXPECTATIONS OF PUPILS WHO HAVE CHOSEN TEACHING AS A CAREER.
See G.2 |
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| Name of Institution | - Research Unit, Teachers' Training College, Singapore. |
| Title of Project | - WHY TEACH? A Study of Motives for Choosing Teaching as a Career. |
| Name of Person and Designation | - Research Unit, Teachers' Training College. |
| Main Aim of Project | - The main purpose of the present study has been to make an objective and scientific enquiry into the attitudes of our trainee |

teachers.

Two other objectives of the present study are: firstly, to develop a greater understanding of the trainee teachers in order that we may guide them better; secondly, to gain some knowledge of the motives for teaching in order that certain selection procedures and training programmes can be re-orientated with the aim of bringing about an improvement in the quality of our teachers.

Description	- In their search for a suitable instrument to gauge the motives for teaching among trainee teachers, the members were concerned only with the conscious motives for teaching as expressed by trainee teachers. Little attempt was made to probe the unconscious motives, for it was believed that vocational choices were largely decided by conscious motives. The members also bore in mind the largeness of the number of subjects to be investigated, namely one third of the trainee teachers in the College undergoing the different courses of training in different language media. After some discussion, it was agreed that the questionnaire was an adequate tool for its purpose.
Publication	- available from Teachers' Training College, Paterson Road, Singapore 9.
Name of Institution	- Department of Educational Psychology, Makerere University College, Uganda.
Title of Project	- INVESTIGATION OF ATTITUDES TO EDUCATION OF DIPLOMA OF EDUCATION STUDENTS. See G.7
Name of Institution	- Department of Educational Psychology, Makerere University College.
Title of Project	- INVESTIGATION OF OPINIONS ON THE TEACHERS FOR EAST AFRICA SCHEME ON THE PART OF THE TEACHERS INVOLVED. See G.8
3. Name of Institution	- Department of Sociology, Social Anthropology, Psychology and Demography, Makerere University College, Uganda.
Title of Project	- PRIMARY SCHOOL TEACHERS IN NORTH BUGISU AND SEBEI, WESTERN UGANDA.
Name of Person and Designation	- <u>G. Bennaars</u> - Student in Department of Sociology.
Name of Institution	- School of Education, University of Zambia.

L - The Teaching Profession

Title of Project	- REPORT OF THE COMMITTEE ON POST-CAMBRIDGE SCHOOL CERTIFICATE STUDIES AND UNIVERSITY ENTRANCE. See A.8
Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- CLIENTELE OF NIGERIA CERTIFICATE IN EDUCATION COURSE. See A.10
Name of Institution	- University of Lagos College of Education, Nigeria.
Title of Project	- FOLLOW-UP STUDY 1969. See A.11
4. Name of Institution	- African Studies Centre, University of Cambridge.
Title of Project	- AN INVESTIGATION OF THE SOCIAL STATUS OF TEACHERS IN GHANA.
Name of Person and Designation	- <u>Miss P. Roberts</u>
Main Aim of Project	- This is a detailed study of a community from the point of view of the teachers and the school in order to ascertain the local status of the teacher.
Date of Commencement	- October, 1968.
Expected Date of Completion	- September, 1971.
Source of Finance	- S.S.R.C. Studentship and Smuts Memorial Fund Award.
Method and Anticipated Date of Publication	- Thesis of the University of Cambridge which will be deposited in the University Library.

M - OUT-OF-SCHOOL EDUCATION: YOUTH ACTIVITIES ADULT EDUCATION

Out-of-school activities; youth organisation; further education;
methods and media in adult education.

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| 1. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - SIMULATED TRAINING TECHNIQUES FOR IN-SERVICE TRAINING PROGRAMMES OF THE DEPARTMENT OF DISTRICT ADMINISTRATION. |
| | Name of Person and Designation | - <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education; and <u>Training Officers</u> of the Department of District Administration. |
| | Main Aim of Project | - To prepare a two-week in-service programme as the basis of in-service training for Clerical Assistant and using simulated training techniques. |
| | Description | - At the request of the Department of District Administration the Educational Materials Centre is to prepare a training programme for Clerical Assistants employed in the country's outstations. The simulated outstation for training purposes is to cover the range of responsibilities for the personnel - radio transmission, postal, clerical, finan financial, etc. The simulated techniques are to be used for the series of courses to be given by the Department and the appropriate exercises are to be drawn from field experiences. |
| | Date of Commencement | - June, 1969. |
| | Expected Date of Completion | - September, 1969. |
| | Source of Finance | - Department of District Administration. |
| | Method and Anticipated Date of Publication | - Not applicable. |
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| | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - THE TAPE AS TEACHER AND LEARNING MATERIAL IN HEALTH EDUCATION PROGRAMMES.

See C.7 |
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| 2. | Name of Institution | - National Council of Educational Research and Training, India. |
| | Title of Project | - A STUDY OF COVERAGE OF SOCIAL EDUCATION IN POST-GRADUATE AND UNDER-GRADUATE TEACHER TRAINING INSTITUTIONS IN INDIA. |

M - Out-of-School Education: Youth Activities: Adult Education

Name of Persons and Designation	- <u>Dr. T.A. Koshy</u> - Head of the Department, <u>N.A. Ansari</u> - Reader, <u>S.K. Luthra</u> - Senior Research Assistant.
Main Aim of Project	- The main objective of the project was to collect information from teacher training institutions on various aspects of teaching of Social Education.
Description	- Mailed questionnaire elicited the information and relevant data. Principals of Post-graduate and approx. 10% of under-graduate teacher training colleges were asked to return the questionnaire duly filled in. The study has highlighted aspects like status of Social Education in the syllabi of various degrees/diplomas offered by the colleges, methods used in teaching, background of teachers of Social Education etc.
Date of Commencement	- June, 1967.
Expected Date of Completion	- 1969.
Source of Finance	- Funds of N.C.E.R.T.
Method and Anticipated Date of Publication	- Mimeographed in 1969.
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3. Name of Institution	- National Council of Educational Research and Training, India.
Title of Project	- A STUDY OF PROGRAMMES OF CONTINUING EDUCATION OF SELECTED INSTITUTIONS IN INDIA.
Name of Person and Designation	- <u>Dr. S. Mulay</u> - Reader, <u>J.S. Pardeshi</u> - Lecturer, <u>R.S. Mathur</u> - Senior Research Assistant.
Main Aim of Project	- The main objective of this project is to study the working of institutions engaged in different programmes of continuing education in the country.
Description	- Case study method will be followed in this project. Selected institutions doing good work in the area of continuing education will be selected for the purpose. Study of records, discussions with people (Heads of Institutions, participants, local leaders etc.) and observation technique will be used for collecting relevant material.
Date of Commencement	- October, 1967.
Expected Date of Completion	- January, 1970.
Source of Finance	- Funds of N.C.E.R.T.
Method and Anticipated Date of Publication	- In 1970.

4. Name of Institution - Department of Education, University College, Nairobi.
- Title of Project - A STUDY IN THE APPROACH TO ADULT EDUCATION.
- Name of Person and Designation - Mr. John N. Okach - Lecturer, Adult Studies Centre.
- Date of Commencement - September, 1969.
- Expected Date of Completion - June, 1971.
- Source of Finance - Ministry of Education/private.
- Method and Anticipated Date of Publication - Not envisaged.
-
5. Name of Institution - Department of Education, University College, Nairobi.
- Title of Project - A CRITICAL EVALUATION OF RECENT DEVELOPMENT IN ADULT EDUCATION IN RURAL KENYA.
- Name of Person and Designation - Michael G. Moore - Tutor, Institute of Adult Studies.
- Date of Commencement - August, 1969.
- Expected Date of Completion - February, 1971.
- Source of Finance - Ministry of Education/private.
- Method and Anticipated Date of Publication - Not envisaged.
-
6. Name of Institution - Department of Extra-Mural Studies, University of Zambia.
- Title of Project - SURVEY OF ADULT EDUCATION PROVISION IN ZAMBIA.
- Name of Person and Designation - Dr. Colin McCaffrey - Adult Education Fellow
- Main Aim of Project - To make recommendations for filling gaps in provision and reducing any overlap discovered.
- Description - A complete survey of the formal and informal provision for the operation and training of adults in Zambia including such educational influences as the mass media. Particular attention is being paid to relationships between Adult Education agencies and to evaluation of the various programmes.
- Date of Commencement - August, 1967.
- Expected Date of Completion - End of September, 1969.
- Source of Finance - The University of Zambia (normal budget of the Extra-Mural Department).

M - Out-of-School Education; Youth Activities; Adult Education

Method and Anticipated Date of Publication	- Survey to be submitted to the University of Zambia Publications Committee and subject to their approval to be published by the University.
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7.	Name of Institution	- Department of Extra-Mural Studies, University of Zambia.
	Title of Project	- A STUDY OF THE TEACHING OF HUMANISM (THE ZAMBIAN NATIONAL IDEOLOGY) TO ADULTS.
	Name of Person and Designation	- Roderick Rainford - Extra-Mural Lecturer/ Resident Tutor, Northern Province.
	Main Aim of Project	- To supply persons engaged in teaching about the national ideology with useful guidelines and suggestions for study material.
	Description	- This Department has embarked on several teaching programmes related to Humanism and Development and Mr. Rainford has been experimenting with the most effective means of encouraging balanced discussion of the subject. He has worked through Extra-Mural classes, occasional seminars and Humanist Action Committees.
	Date of Commencement	- 1968.
	Expected Date of Completion	- 1970.
	Source of Finance	- University of Zambia (project undertaken in course of normal duties).
	Method and Anticipated Date of Publication	- One article has already appeared in the Bulletin of the Institute for Social Research No.3, 2968.

8.	Name of Institutue	- Department of Extra-Mural Studies, University of Zambia.
	Title of Project	- BIBLIOGRAPHY OF AFRICAN ADULT EDUCATION.
	Name of Person and Designation	- <u>Professor Lalage Bown</u> - Director of Extra-Mural Studies.
	Main Aim of Project	- To provide a bibliographical source useful for lecturers in Adult Education in Africa and through them to their students.
	Description	- Preliminary bibliography was prepared in 1966 and at present the aim is to update and complete the material.
	Date of Commencement	- Continuing exercise.
	Source of Finance	- Minimal expenditure by research worker herself.
	Method and Anticipated Date of Publication	- To be submitted to the University of Zambia Publications Committee and if accepted to be published as part of a bibliographical series

produced by the University of Zambia Library.

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| 9. | Name of Institution | - School of Education, University of Zambia. |
| | Title of Project | - TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. |
| | Name of Persons and Designation | - <u>Dr. T.A. Coombe</u> - Senior Lecturer, School of Education;
<u>Mrs. C.E. Angi</u> - Research Assistant, School of Education. |
| | Main Aim of Project | - The purpose of this study is to define and to analyse the main aspects of the primary school leaver phenomenon in Zambia, and to make recommendations for public policy. |
| | Description | <p>- In East and West Africa, a number of studies have examined various aspects of the primary school leaver phenomenon: the aspirations of school leavers, the training and employment opportunities open to them, and their post-school histories.</p> <p>In Zambia, various Government ministries and commissions, some social service agencies, the University, city councils and the schools themselves have expressed concern over the emerging school leaver crisis. (In January, 1970, 50,000 primary school leavers will have no place in Zambian secondary schools.) No concerted attempt has yet been made however to analyse and to assess the proportion of the crisis.</p> <p>This project began with a survey of the literature on youth and primary school leavers throughout Africa. We have obtained materials with specific reference to Zambia, and have interviewed officials of the Zambian Government, social service organisations, educational institutions, business and industry, with regard to past and present conditions and future policy. This information is being used to assess the present situation with a view to making proposals for public policy.</p> <p>This initial survey of the entire school leaver problem will be followed by closer studies of several dimensions of the topic. For instance, a preliminary investigation has been made of the Zambia Youth Service as a case-study of an organisation created to meet the needs of school leavers, and we intend to pursue this inquiry in more detail. Studies of the post-school behaviour of adolescents in an urban area are also planned.</p> |
| | Date of Commencement | - March, 1969. |

M - Out-of-School Education: Youth Activities: Adult Education

Expected Date of Completion - December, 1970.
 Source of Finance - University of Zambia.
 Method and Anticipated Date of Publication - (1) Article in Manpower and Unemployment Research in Africa (Centre for Development Area Studies, McGill University, Montreal, Canada) November, 1969 issue.
 (2) Paper presented to University of East Africa Social Science Research Council Conference, Nairobi, Kenya, December, 1969.
 - other publications anticipated in 1970.

Name of Institution - University of Lagos College of Education, Nigeria.
 Title of Project - FOLLOW-UP STUDY 1969.
 See A.11

10. Name of Institution - Nigerian Institute for Social and Economic Research, University of Ibadan, Nigeria.
 Title of Project - SCHOOL LEAVERS AND THEIR WMPLO EMPLOYMENT PROBLEM.
 Name of Person and Designation - Professor A.C. Callaway - Research Professor.
 Main Aim of Project - The overall objective of this research has been to discover how more employment and training in skills could be provided for unemployed school leavers and other youth in urban and rural areas, within the context of other priorities of national development.
 Description - Methods of research have involved surveys, sample surveys, and case studies.

11. Name of Institution - Faculty of Education, University of Ife.
 Title of Project - NON-LITERATE ADULTS CONCEPT OF NATURAL PHENOMENA.

12. Name of Institution - Faculty of Education, University of Ife.
 Title of Project - A STUDY OF THE ORGANISATION AND ADMINISTRATION OF ADULT EDUCATION IN WESTERN STATE.

13. Name of Institution - Department of Adult Education and Extra-Mural Studies, University of Edinburgh.
 Title of Project - ADULT EDUCATION AND NATION BUILDING

M - Out-of-School Education: Youth Activities: Adult Education

(WITH SPECIAL REFERENCE TO AFRICA).

- Name of Person and Designation - J. Lowe - Editor.
- Main Aim of Project - To provide an up-to-date survey of developments in the field.
- Date of Commencement - 1967.
- Expected Date of Completion - 1969.
- Method and Anticipated Date of Publication - To be published early in 1970 by Edinburgh University Press.
-

14. Name of Institution - Department of Adult Education and Extra-Mural Studies, University of Edinburgh.
- Title of Project - ADULT EDUCATION IN KENYA.
- Name of Person and Designation - Roy Prosser - (currently Executive Secretary, Adult Education Board, Kenya).
- Main Aim of Project - To provide an historical survey and critical analysis of adult education in Kenya.
- Date of Commencement - 1967.
- Expected Date of Completion - 1971.
- Method and Anticipated Date of Publication - Ph.D. thesis with plan for publication by East African Publishing House.
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15. Name of Institution - Department of Adult Education and Extra-Mural Studies, University of Edinburgh.
- Title of Project - COMMUNITY DEVELOPMENT IN AFRICA (NECESSARILY INVOLVING ATTENTION TO EDUCATIONAL MATTERS).
- Name of Person and Designation - Peter Wass.
- Main Aim of Project - To provide a survey of developments in the field.
- Date of Commencement - 1967.
- Expected Date of Completion - 1970.
- Source of Finance - University of Edinburgh.
- Method and Anticipated Date of Publication - Ph.D. thesis with plan for publication by commercial publisher in 1971.
-

N - SPECIAL EDUCATION

Education of the handicapped.

1.	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- EDUCATION PROBLEMS AND SCHOOL NEEDS OF SLOW-LEARNING STUDENTS
	Name of Person and Designation	- <u>F.C. Tang.</u>
	Description	- To field study of a group of slow-learning (intellectually dull) pupils, their psychological characteristics and school needs - in the light of a comparative survey of what is being done for this type of slow-learning pupil in U.K., U.S.A. and elsewhere.
	Date of Commencement	- October, 1967.
	Expected Date of Completion	- December, 1971.
	Source of Finance	- Department of Education, University of Honh Kong, and private sources.

	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- A REMEDIAL READING PROGRAMME IN ENGLISH FOR CANTONESE SPEAKING PUPILS.
	Name of Person and Designation	- <u>Marion Quong</u> See F.9

	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- SOCIAL PSYCHOLOGICAL STUDIES IN BACKWARDNESS AMONGST ADOLESCENTS IN WESTERN AND EASTERN COMMUNITIES See E.8

O - AGRICULTURAL EDUCATION

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| 1. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - REVISION OF THE EXTENSION MANUAL, DEPARTMENT OF AGRICULTURE. |
| | Name of Person and Designation | - <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education and Training Officer, Department of Agriculture. |
| | Main Aim of Project | - To revise and re-write the present Extension Manual used in extension educational in Papua and New Guinea. |
| | Description | - The development of criteria drawn from field situations for the revision of the Extension Manual was undertaken by the Educational Materials Centre at the request of the Department of Agriculture. A questionnaire was prepared and is to be administered to Rural Development Officers. Topics included in the questionnaire include present use of the manual, its strengths and weaknesses, and the relationship of the material in the manual to recent research on adult education and teaching and learning materials used for adult education. |
| | Date of Commencement | - May, 1969. |
| | Expected Date of Completion | - June, 1970. |
| | Source of Finance | - Department of Agriculture. |
| | Method and Anticipated Date of Publication | - Revised Extension Manual to be printed in July, 1970. |
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| 2. | Name of Institution | - Social Science Division, Institute for Development Studies University College, Nairobi. |
| | Title of Project | - HUMAN RESOURCES AND TECHNICAL SKILLS IN AGRICULTURAL DEVELOPMENT: AN ECONOMIC EVALUATION OF EDUCATIVE INVESTMENT IN AGRICULTURE IN KENYA. |
| | Name of Person and Designation | - <u>P.N. Hopecraft</u> - Junior Research Fellow. |
| | Main Aim of Project | - To evaluate, in terms of the value of incremental farm output, a range of "human resource characteristics" including schooling, farmer training, exposure to extension services, etc. It is hoped that some notion of the productivity of the various investments in this area will emerge. |
| | Description | - A large number of small farms have been |

O - Agricultural Education

surveyed on a regular basis by the Ministry of Economic Planning and Development. The detailed data on inputs and outputs etc. that has resulted will be supplemented by data as to the human resource characteristics of the farmer decision-maker. These characteristics will enter a regression analysis as discontinuous "dummy" variables in an attempt to investigate the extent to which they account for the variation in farm performance. The statistical findings will be complemented by case studies.

Date of Commencement - Late 1969.
Expected Date of Completion - Late 1970.
Source of Finance - Rockefeller Foundation grant to Stanford University.
Method and Anticipated Date of Publication - Ph.D. Thesis, Stanford University, U.S.A.

Name of Institution - School of Education, University of Zambia.
Title of Project - TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA.
See M.9

Name of Institution - Nigerian Institute for Social and Economic Research.
Title of Project - SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEM.
See M.10

3. Name of Institution - Department of Education in Tropical Areas, University of London Institute of Education.
Title of Project - EDUCATIONAL AND RURAL DEVELOPMENT IN FORMER BRITISH AFRICAN DEPENDENCIES.
Name of Person and Designation - A.W. Wood - Education Research Officer, Commonwealth Secretariat.
Date of Commencement - 1969.
Expected Date of Completion - 1972.
Method and Anticipated Date of Publication - Ph.D Thesis to be deposited in University of London Library.

P - TECHNICAL EDUCATION

Name of Institution	- School of Education, University of Zambia.
Title of Project	- TRAINING PROGRAMMES AND EMPLOYMENT OPPORTUNITIES FOR PRIMARY SCHOOL LEAVERS IN ZAMBIA. See M.9

Name of Institution	- Nigerian Institute for Social and Economic Research.
Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEM. See M.10

Q- HIGHER EDUCATION

1. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- UNIVERSITY TEACHING.
Name of Person and Designation	- <u>Dr. Norman K. Henderson</u>
Description	- A systematic study of all forms of teaching and examining used in Universities with recommendations on the finding of modern research. Topics include analyses of the nature and functions of universities, lecturing procedures, tests of a good lecturer, the organisation and management of university classrooms, ways to group students, discussion group techniques, tutorial and their organisation, seminars, committee methods, case study and other "adult" teaching techniques, practical sessions including demonstrations, laboratory work, field excursions and clinical practice, projects and practical assignments, audio-visual aids and their uses, using the library and textbooks, programmed learning and teaching machines (an account of their use and an appraisal of their value), students' study problems, how to help students learn and remember, and examining and evaluating students' work.
Date of Commencement	- January, 1968.
Expected Date of Completion	- November, 1969.
Source of Finance	- Department of Education, University of Hong Kong and private sources.
Method and Anticipated Date of Publication	- Published November 1969, Hong Kong University Press (in collaboration with the Oxford University Press).

Name of Institution	- School of Education, University of Zambia.
Title of Project	- REPORT OF THE COMMITTEE ON POST-CAMBRIDGE SCHOOL CERTIFICATE STUDIES AND UNIVERSITY ENTRANCE. See A.8

R - EDUCATIONAL PSYCHOLOGY

Name of Institution	- University of Papua and New Guinea.
Title of Project	- CHILD DEVELOPMENT PROJECT. See E.6
Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- A STUDY OF CHILD GROWTH AND DEVELOPMENT IN ABORIGINES. See E.1
Name of Institution	- Department of Education, University of Queensland, Australia.
Title of Project	- ANTECEDENTS OF ACHIEVEMENT MOTIVATION IN ABORIGINAL-AUSTRALIAN AND WHITE-AUSTRALIAN GIRLS. See E.3
Name of Institution	- Australian Council for Educational Research.
Title of Project	- A STUDY OF THE PSYCHOLOGICAL BASIS OF ANY ABNORMAL FEATURES IN THE EDUCATIONAL PROGRESS OF ABORIGINALS See E.4
Name of Institution	- Department of Education, University College, Nairobi and Harvard University, U.S.A.
Title of Project	- BASIC PROCESSES IN GROWTH AND DEVELOPMENT OF CHILDREN IN KENYA. See E.16
Name of Institution	- Department of Education, University College, Nairobi.
Title of Project	- A STUDY OF THE SUB-CULTURE OF THE ADOLESCENT IN KENYA. See E.15
1. Name of Institution	- Department and Institute of Education, University of Ibadan.
Title of Project	- PSYCHOLOGICAL CORRELATES OF ACADEMIC SUCCESS AND FAILURE AMONG WESTERN NIGERIAN GRAMMAR SCHOOL PUPILS.
Name of Person and Designation	- <u>Dr. C.G.M. Bakare.</u>

INDEX OF INSTITUTIONS

1. School of Education, University of the South Pacific,
Laucala Bay, P.O. Box 1168, Suva, Fiji.
C.1
2. Department of Education, University of Canterbury,
Christchurch 1, New Zealand.
F.1
3. New Zealand Council for Educational Research, Education
House, 178-182 Willis Street, Wellington C.2, New Zealand.
E.32, E.33, J.21
4. Faculty of Education, University of Queensland, St. Lucia,
Queensland, Australia.
A.1, E.1, E.2, E.3
5. University of Sydney, Sydney, New South Wales 2006, Australia.
B.1, H.1
6. Monash University, Clayton, Victoria 3168, Australia.
B.2, C.2, E.5, F.2, H.2, H.3, J.1
7. Australian Council for Educational Research, 81 Frederick Street,
Hawthorn 3122, Victoria 13, Australia.
E.4, J.2
8. University of Adelaide, North Terrace, Adelaide, South
Australia 5000, Australia.
B.3
9. Flinders University of South Australia, Bedford Park, South
Australia 5042, Australia.
F.3
10. University of Western Australia, Nedlands, Western Australia
6009, Australia.
D.1
11. Department of Education, University of Papua and New Guinea,
Box 1144, P.O. Bokoro, Territory of Papua and New Guinea.
C.3, C.4, C.5, C.6, C.7, E.6, F.4, G.1, G.2, I.1, I.2, J.3,
L.1, M.1, O.1

12. Department of Education, University of Hong Kong, Hong Kong.
A.2, A.3, B.4, B.5, C.8, C.9, E.7, E.8, E.9, F.5, F.6, F.7, F.8, F.9, F.10, F.11, F.12, F.13, H.4, H.5, J.4, J.5, N.1, Q.1
13. Research Unit, Ministry of Education, Kay Siang Road, Singapore 10.
D.2
14. School of Education, University of Singapore, Bukit Timah Road, Singapore 10.
H.6, H.7
15. Research Unit, Teachers Training College, Singapore.
L.2
16. National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi 16, India.
A.4, B.6, B.7, C.10, C.11, C.12, D.3, D.4, E.10, E.11, E.12, E.13, F.15, G.3, G.4, H.8, H.9, H.10, H.11, I.4, J.6, J.7, J.8, J.9, K.1, K.2, M.2, M.3
17. The South India Teachers' Union Council of Educational Research, 34/1 Ramakrishna Mutt Road, Madras 28, India.
F.14, I.3
18. University College, P.O. Box 30197, Nairobi, Kenya.
(i) Department of Education.
A.5, A.6, A.7, B.8, B.9, E.14, E.15, F.16, G.5, G.6, H.12, H.13, K.3, M.4, M.5
(ii) Child Development Research Unit.
E.16
(iii) Institute for Development Studies.
K.4, K.5, O.2
19. Makerere University College, P.O. Box 7062, Kampala, Uganda.
(i) Faculty of Education.
B.14
(ii) Department of Education.
H.14, H.15
(iii) Audio-Visual Aids Centre, National Institute of Education.
F.19, I.5
(iv) Department of Sociology, Social Anthropology, Social Psychology and Demography.
B.10, B.11, B.12, B.13, E.17, F.20, F.21, J.14, J.15, L.3

- (v) Department of Educational Psychology.
C.13, C.14, C.15, E.18, E.19, E.20, E.21, F.17, F.18, G.7, G.8, J.10, J.11, J.12, J.13
20. University of Zambia, P.O. Box 2379, Lusaka, Zambia.
(i) School of Education.
A.8, E.23, M.9
(ii) Institute of Education.
G.9
(iii) Science Education Centre, School of Education
H.17
(iv) Department of Extra-Mural Studies.
M.6, M.7, M.8
(v) Human Development Research Unit.
E.22, F.22, H.16, J.16
21. Soche Hill College, P.O. Box 496, Limbe, Malawi.
G.12
22. School of Education, University of Botswana, Lesotho and Swaziland, P.O. Roma, Maseru, Lesotho via South Africa.
A.9, C.16, G.10
23. Ahmadu Bello University, Zaria, Northern Nigeria.
(i) Institute of Education.
F.23, F.24, F.25, I.6, J.18
(ii) Faculty of Education.
H.23
24. University of Ibadan, Ibadan, Nigeria.
(i) Institute of Education.
A.12, C.25, E.24, E.25, E.26, E.27, F.27, F.28, F.29, H.18, H.19, H.20, J.17, K.6, R.1.
(ii) Nigerian Institute of Social and Economic Research.
M.10
25. Faculty of Education, University of Ife, Ile-Ife, Nigeria.
F.30, H.24, J.19, K.7, M.11, M.12
26. University of Lagos College of Education, P.M.B. 2017, Yaba, Lagos, Nigeria.
A.10, A.11, F.26, H.21, H.22
27. The West African Examinations Council, Test Development and Research Office, Private Mail Bag 1076, Yaba, Lagos, Nigeria.
C.17, C.18, C.19, C.20, C.21, C.22, C.23, C.24

28. UNDP Secondary School Science Teaching Project, P.O. Box 08,
University Post Office, Cape Coast, Ghana.
A.13
29. Njala University College, University of Sierra Leone, Private
Mail Bag, Freetown, Sierra Leone.
D.5, F.35, H.25
30. School of Education, The University, Southampton SO9 5 NH,
England.
A.1, A.2
31. Institute of Development Studies, University of Sussex, Stanmer,
Brighton BH1 9QA, England.
A.15
32. University of London Institute of Education, Malet Street,
London W.C.1., England.
(i) Department of Comparative Education.
B.15, B.16, B.17
(ii) Research Unit in the Economics of Education.
A.14
(iii) Department of Education in Tropical Areas.
B.18, D.6, F.31, G.11, G.12, H.26, O.3
33. University of Cambridge, Cambridge, England.
(i) African Studies Centre, Sidgwick Avenue, Cambridge.
L.4
(ii) Faculty of Archaeology and Anthropology.
E.28
34. School of Education, University of Reading, Reading, Berkshire,
England.
F.32
35. Institute of Education, University of Keele, Keele,
Staffordshire ST5 5BG, England.
A.16, B.19, D.7, F.33, H.27
36. Institute of Education, University of Leeds, Leeds 2, England.
H.28, H.29, H.30
37. Department of Adult Education and Extra-Mural Studies,
University of Edinburgh, 11 Buccleuch Place, Edinburgh 2H8 9LW,
Scotland.
M.13, M.14, M.15

38. Faculty of Education, University of Guyana, Georgetown,
Guyana, South America.
J.20
39. University of the West Indies, Mona, Kingston, 7, Jamaica, W.1.
 - (i) Department of Education.
A.17, E.29, F.34
 - (ii) Institute of Education.
C.28, C.29, D.8, G.13, H.31, H.32
40. Wisconsin State University, Stevens Point, Wisconsin 54481, U.S.A.
F.35
41. Harvard University, Cambridge, Massachusetts 02138, U.S.A.
E.16
42. Stanford University, Stanford, California 94305, U.S.A.
E.16
43. McDonald College, Faculty of Education, McGill University,
Montreal 2, Quebec, Canada.
E.30
44. Division of Educational Research Services, Faculty of Education,
University of Alberta, Edmonton, Alberta, Canada.
E.31
45. Department of Educational Foundations, Faculty of Education,
University of Calgary, Calgary 44, Alberta, Canada.
A.18, A.19, B.20, D.9

AUTHOR INDEX

Abiri, Dr. J.O.O.	C.25, E.24, F.27	Callaway, Prof. A.C.	M.10
Abrol, D.N.	A.4, I.4	Campion, M.	J.21
Adam, Dr. R.	D.1	Chan, J.	F.7
Adejunmobi, S.A.	H.19	Chan Pui Sum	B.4
Adetoro, Dr. J.E.	H.22	Chandra Mohan	E.13
Agbenyega, C.O.	C.20	Chandrasekhariah, Dr. K.V.	E.30
Ahmad, B.	A.14	Chaturvedi, Dr. M.G.	H.8, H.9, H.11, J.9
Ahmad, I.	B.15	Cheah, C.M.	H.6
Adeju, Dr. S.A.	C.18	Chew, K.C.	H.6
Aleyideine, Dr. S.C.	F.25, I.6	Chopra, R.	G.4
Anderson, J.E.	K.4, K.5	Cleverley, Dr. J.F.	H.2
Angi, C.E.	M.9	Clunies-Ross, E.	F.31
Angi, R.L.	E.23	Coleman, Dr. J.S.	K.5
Ansari, N.A.	M.2	Coombe, Dr. T.A.	A.8, M.9
Arora, K.	G.3, G.4	Craig, D.R.	E.29, F.34
Arora, P.N.	A.4, I.4		
		Das Gupta, M.P.	J.7
Babalola, B.A	H.22	De, Dr. B.	C.11
Bacchus, M.K.	A.17	Desai, Dr. K.G.	J.6
Bakare, Dr. C.G.M.	E.25, E.26, R.1	Dodd, W.A.	G.11, G.12
Bam, V.M.	A.9	Duraiswamy, M.	F.14
Banta, T.J.	F.20, F.21		
Beckett, B.R.	F.13	El-Abd, Prof. H.	C.13, C.14, C.15 E.18, E.19, E.20 E.21, F.17, F.18 G.7, G.8, J.10 J.11, J.12, J.13
Bender, B.W.	E.33	Ellery, Dr. J.B.	F.35
Bennaars G.	L.3	Elley, W.B.	J.21
Bevli, U.	J.6	Ekuban, E.	B.17
Bhatnagar, U.	K.1		
Bhude, Prof. M.Y.	C.11	Faculty of Education, University of Guyana	J.20
Blaug, Prof, M.A.	A.14	Faculty of Education, University of Ife	F.30, H.24, J.19, K.7, M.11, M.12
Boaz, P.D.	J.6	Fagbongbe, E.O.	H.22
Bolam, D.W.	F.33	Fiks, Dr. A.I.	C.21
Bose, Prof. S.K.	J.6	Fisher-Short, W.	C.8, J.4
Bowker, E.	A.1	Fitch, Dr. D.J.	C.17, C.18, C.19 C.20, C.22, C.23 C.24
Bown, Prof. L.	M.8		
Brann, C.M.B.	F.28		
Brooksbank, M.	F.33		
Broomes, D.R.	C.29, H.31		
Brown, Prof. G.N.	B.19		
Bruce, D.W.	E.4, J.2		
Buch, Dr. M.B.	A.4		

Foster, B.E.	H.30	Jhingran, V.G.	C.11
Francis, M.D.	G.6	Johnston, G.L.	H.2
Fulcher, G.W.G.	H.17	Jolly, Dr. R.	A.15
Fung, Y.W.	J.5	Joynt, J.D.	E.6
		Juele, A.	H.1
Gagne, B.A.	G.9		
Gannicott, K.	A.14	Kamalananthan, K.	F.25
Gardner, P.L.	F.2	Kaul, C.L.	A.4, 1.4
Ghosh, A.S.	F.15	Kawharu, I.H.	E.32
Gilliland, G.	F.1	Kazmi, S.A.S.	H.27
Goldberg, S.	E.22	Keats, D.M.	E.2
Goody, Dr. E.	E.28	Khera, P.D.	J.6
Grant, D.R.B.	G.13	Kimilu, D.N.	H.12
Gupta, M.C.	E.12	Koh, K.	B.18
Gupta, S.P.	G.3	Koshy, Dr. T.A.	M.2
Gurbaksh Singh	D.4	Krishnamurthy, P.V.	I.3
Gwayambadde, Y.M.K.	B.10	Krishnan, Prof. B.	C.11
Gwee, Y.H.	H.6, H.7	Kulandaivel, Dr. K.	C.10
		Kumar, K.	E.11
Haldane, D.	E.14		
Harbottle, M.	H.14	Ladefoged, Prof. F.	J.15
Harrison, K.	G.12	Lannoy, V.B.	E.15
Hart, A.M.	B.3, F.3	Lawless, C.J.	F.32
Hartley, G.	F.33	Lee, D.	G.12
Hawes, H.	G.12, F.26	Lee, G.	E.9
Hayward, P.F.	I.1, J.3	Lewis, Prof. L.J.	G.12
Heaton, J.B.	H.28	Liederman, Dr. G.	E.16, R.1
Henderson, Dr. N.K.	C.8, E.7, E.8, J.5, Q.1	Liederman, Prof, P.H.	E.16, R.1
Hengevelt, M.	E.4	Lijembe, J.A.	G.5
Herzog, Dr. J.	E.16, R.1	Lloyd, T.G.	B.1
Heyman, Dr. R.D.	A.18, D.9	Lovegrove, Prof. M.	G.12
Hiriyannah, K.N.	A.4, 1.4	Lowe, J.	M.13
Hirst, Prof. P.	G.12	Lucas, Prof. E.	B.14
Ho, K.Y.T.	H.5	Luthra, S.K.	M.2
Honeybone, Prof. R.C.	C.1		
Hopcraft, P.N.	O.2	Maas, V.L.R.	B.13
		Mackay, L.D.	H.3
Jeffery, P.	1.2	Majasan, Dr. J.A.	A.12, H.18, J.17
Jenkins, D.R.	F.33	Maraj, Dr. J.A.	D.8

Marr, Dr. E.	G.3	Patel, Dr. J.J.	A.13
Mathur, Prof. M.V.	D.4	Patel, P.M.	C.12
Mathur, R.S.	M.3	Peacock, E.W.	K.3
McAdam, K.J.	E.5, J.1	Pillai, Dr. N.P.	C.10
McArthur, G.	F.6	Pong, T.S.	F.12
McCaffrey, Dr. C.	M.6	Pramanik, Dr. K.	C.10
Mehrotra, Dr. G.P.	E.12	Pratt, C.A.	F.19, I.5
Mehta, Prof. T.S.	H.8, H.9, H.11, J.9	Prosser, R.	M.14
Miller, Prof. D.C.	F.29, H.20	Pugh, D.R.	E.31
Misra, Dr. C.H.K.	F.15		
Mittal, J.P.	C.12	Quong, M.	F.9
Mohle, B.V.	H.11		
Morgan, Prof. D.	F.26, H.21 H.22		
Moore, M.G.	M.5	Rado, E.	K.5
Morrison, Dr. R.B.	F.32	Rainford, R.	M.7
Mulay, Dr. S.	M.3	Raju, Dr. B.	A.5
Muralidharan, Dr. R.	J.6	Ramji, Dr. M.T.	J.7
Mutua, R.W.	A.7	Rastogi, M.P.	J.7
		Reddy, Dr. N.V.	J.6
		Research Unit, T.T.C., Singapore	L.2
Natarajan, S.	F.14, I.3	Reynolds, A.J.	H.13
Nduka, O.A.	E.27	Richardson, Prof. J.	F.3
Ng, A. Lian Timn	D.7, H.4	Ridgway, N.	C.3
Ng, Y.K.	H.6	Roberts, P.	L.4
Nixon, M.C.	C.2	Roe, Prof. E.	C.4, C.5
		Roe, M.	C.3, C.4, C.5, I.2
Ogunyemi, M.	F.33	Rose, J.	A.2
Ohuche, Dr. R.O.	D.5, H.25		
Okach, J.N.	M.4	Saxena, R.R.	A.4, I.4
Okunrotifa, P.O.	H.23, J.18	Schiff, M.	E.17
Onwuka, U.	D.6	Segall, M.H.	J.14
Osogo, J.	B.9	Serpell, Dr. R.	F.22, H.16, J.16
Owiredu, D.V.	F.33	Shah, S.	B.8
Oxlade, D.	A.6	Sharma, Dr. A.	B.6, J.8, K.1, K.2
Oyerinde, T.O.	C.22	Shukla, Dr. N.N.	J.6
		Shukla, Dr. S.	E.13
Pandit, H.N.	D.3	Shukla, S.	B.6, C.12
Pant, Dr. M.C.	H.10	Siemers, A.A.	F.23
Pardeshi, J.S.	M.3	Simpson, Dr. R.F.	A.3, F.11
Parker, S.J.	F.33	Singh, Dr. L.C.	G.3

Singh, Dr. R.P.	B.7	Wong, Dr. R.	D.2
Singh, Dr. V.K.	E.10, E.11	Wood, A.W.	O.3
Sinha, Dr. D.	J.6	Woodhall, M.	A.14
Sinha, Dr. U.	C.10, C.11	Woolman, M.K.	H.15
Smith, A.E.	H.29		
Smith, G.E.	F.4	Yapp, H.	F.3, F.10
Snider, Dr. J.G.	C.21	Yoloye, Dr. E.A.	C.26, C.27, K.6
Somerset, H.C.A.	K.5	Yussof, H.H.B.Md.	A.16
Srinivasachari, G.	F.14, I.3		
Srivastava, Dr. A.B.L.	B.6		
Stannard, D.	A.8	Zacharias, Dr. M.	A.19, B.20
Strong, B.	F.24	Zainu'ddin, A.G.	B.2
Sweeting, A.E.	F.5		
Tam, I.	B.5		
Tang, F.C.	N.1		
Tewari, D.	B.16		
Thompson, Dr. A.R.	A.11		
Thukral, C.M.	J.6		
Townsend, A.	F.33		
Trevaskis, Dr. G.A.	C.5, C.6, C.7, G.1, G.2, I.2, L.1, M.1, O.1		
Turner, Prof. J.D.	C.16, G.10		
Vaughan, M.	I.6		
Vidyalankar, A.	H.8		
Vinansky, H.M.	C.28		
Wallace, G.	B.11		
Wang'ombe, C.R.	F.16		
Wass, P.	M.15		
Watts, B.H.	E.3		
Weeks, S.	B.12		
Whiting, Dr. B.	E.16, R.1		
Whiting, Prof. J.	E.16, R.1		
Williams, A.	C.4		
Williams, D.	E.1		
Williams, Dr. G.A.	A.10		
Williams, I.W.	H.32		
Wong, C.	H.4		

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