

EDUCATION IN THE COMMONWEALTH

EDUCATION IN THE DEVELOPING COUNTRIES
OF THE COMMONWEALTH

RESEARCH REGISTER 1970 - 71

COMMONWEALTH SECRETARIAT

EDUCATION IN THE COMMONWEALTH

Number Three

EDUCATION IN THE DEVELOPING COUNTRIES
OF THE COMMONWEALTH

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CONTENTS

	<u>Page</u>
<u>Introduction</u>	
A. <u>Educational Planning</u>	
Statistics, manpower planning; educational planning and development; economics of education; financing of education (Nos. 1-16)	1
B. <u>Theories and History</u>	
History and philosophy of education; comparative education (Nos.1-16)	13
C. <u>Methods of Enquiry</u>	
Research methods; testing and evaluation (Nos.1-25)	22
D. <u>Administration and Organisation</u>	
Educational administration and organisation; relations intra- governmental and non-governmental; auxiliary services (Nos.1-5)	39
E. <u>Students' Backgrounds and Characteristic</u>	
Socio-economic factors; aptitudes; motivations; personality factors; attitudes; opinions; values; behaviour patterns; physical and mental health; nutrition; child development (Nos.1-20)	44
F. <u>Teaching and Learning Situations</u>	
Learning strategies; teaching methods; teaching aids; extra-curricular activities (Nos.1-39)	60
G. <u>Teacher Training</u>	
Contents of courses; responses in non- traditional methods (Nos.1-8)	87
H. <u>Curriculum</u>	
General, primary, secondary; particular subjects of disciplines (Nos.1-23)	93
I. <u>Educational Media</u>	
Preparation and evaluation of textbooks and supplementary reading materials; works of reference; use of audio-visual aids; radio, television (Nos.1-14)	114

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.1-15)	127
K.	<u>Careers</u>	
	Careers; occupations; training; vocational guidance and counselling (Nos.1-7)	142
L.	<u>The Teaching Profession</u>	
	Professional status; conditions of work; social status; values and image; competence; migration; rating, recruitment and retention (Nos.1-4)	146
M.	<u>Out-of-School Education: Youth Activities: Adult Education</u>	
	Out-of-school activities; youth organisations; further education; methods and media in adult education (Nos.1-10)	150
N.	<u>Special Education</u>	
	Education of the handicapped and the educationally sub-normal (Nos.1-2)	161
O.	<u>Agricultural Education</u>	
	(Nos.1-3)	163
P.	<u>Technical Education</u>	
	(Nos.1-2)	165
Q.	<u>Higher Education</u>	
	(Nos.1-3)	168
R.	<u>Others</u>	
	(Nos.1-14)	171
	Index of Institutions	184
	Author Index	190

INTRODUCTION

In 1968, the Commonwealth Secretariat published a small booklet listing research programmes in the field of education then in progress at a number of Commonwealth universities. The response to this publication was sufficiently favourable for the Secretariat to be encouraged to publish a further volume on the same topic in 1969. The enthusiastic response to the 1969 volume made it apparent that such a publication should be a regular feature of the Education Division's information programme, and it was subsequently decided that a Register of on-going research programmes should be published biennially.

The Register presents information received from institutes and departments of Education and other organisations conducting research into education in the developing countries of the Commonwealth. In response to requests made by the Secretariat in March, 1971, contributions to the Register were received from fifty-five organisations in twenty-one countries. These contributions were classified under eighteen areas of educational research.

Copies of the Register are sent to Commonwealth governments, to Commonwealth institutions conducting educational research, to contributors and to a number of prominent educationalists.

The Education Division of the Commonwealth Secretariat has as its major function the encouragement and promotion of co-operation in education among member countries. The Fifth Commonwealth Education Conference, meeting at Canberra in February, 1971, laid particular emphasis on the need for the exchange, among Commonwealth countries, of information on educational research and experimentation, which are essential to the improvement of the quality of education and the reduction of costs. It is hoped that the Register will lead to a further expansion of co-operative activities by facilitating the establishment of professional contacts between those who are engaged on research projects.

The Education Division welcomes comments and suggestions which might lead to improvements in future editions of the Register.

A - EDUCATIONAL PLANNING

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

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|----|--|--|
| 1. | Name of Institution | - University of Western Australia. |
| | Title of Project | - THE ANALYSIS OF THE EDUCATION SYSTEMS OF DEVELOPING COUNTRIES |
| | Name of Person and Designation | - <u>Dr. Roy Adam</u> - Dean of the Faculty of Education. |
| | Main Aim of Project | - The development of a model to be used in examining the structure and functioning of systems of educational administration in developing countries. |
| | Description | - This project is an extension of a study of systems of educational administration based on general systems theory. |
| | Date of Commencement | - 1971. |
| | Expected Date of Completion | - a continuing project. |
| | Source of Finance | - University of Western Australia. |
| | Method and Anticipated Date of Publication | - In journal articles as results are achieved. |
-
- | | | |
|----|---------------------|---|
| 2. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - RESEARCH INTO THE DEPLOYMENT OF RESEARCH SO AS TO INCREASE THE INTERNAL EFFICIENCY OF EDUCATION |
| | Name of Person | - <u>Dr. R.F. Simpson</u> . |
| | Description | - This is not a formal quantitative study but the gathering of relevant data from different countries and assessment of their significance for Hong Kong. Questions of quantity and quality are being balanced - e.g. "should educational television be for those who are in school already or for those children unable to attend", or "must technical education be expensive for, if so, the number receiving it will be limited". It is hoped that M.A. (Ed.) students may follow up such problems in depth. |
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A - Educational Planning

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|----|--|--|
| 3. | Name of Institution | - University of Penang, Centre for Educational Services, Penang. |
| | Title of Project | - EDUCATION AND NATIONAL DEVELOPMENT IN MALAYSIA |
| | Name of Person and Designation | - <u>Paul Chang Min Phang</u> - Senior Lecturer in Education. |
| | Main aim of Project | - To assess the role of education in achieving the objectives of national development, as indicated in the 1st and 2nd Malaysian Developmental Plans, the Rukunegara (National Ideology), the Education Act 1961 and other documents. |
| | Description | - The project looks first into the political, economic and social setting of Malaysia and accounts for its present plural social structure.

It then traces the evolution of a plural school system into a national education system to meet the changing needs and demands of an independent Malaysia.

The extent to which education can help to achieve national unity, social integration and economic advancement by the people of Malaysia is discussed, paying special attention to the problems inherited from the past. Measures to deal with the problems are suggested.

Trends of development are indicated. |
| | Date of Commencement | - October, 1971. |
| | Expected Date of Completion | - October, 1972. |
| | Source of Finance | - University of Penang. |
| | Method and Anticipated Date of Publication | - Uncertain. |
-
- | | | |
|----|-----------------------------------|---|
| 4. | Name of Institution | - Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University of Baroda, India. |
| | Title of Project | - FACTORS AFFECTING ADAPTABILITY AND DIFFUSION OF INNOVATIONS IN SECONDARY SCHOOLS IN INDIA |
| | Names of Persons and Designations | - <u>Prof. D.M. Desai</u> - Dean, Faculty of Education and Psychology;
<u>Prof. M.B. Buch</u> - Head, Centre of Advanced Study in Education;
<u>Mrs. P.M. Buch</u> - Research Scholar, CASE;
<u>Miss Kamala Rai</u> - Junior Research Fellow, CASE;
<u>Mrs. S. Bhagia</u> - Research Scholar, CASE. |

A - Educational Planning

Main Aim of Project	- The project aims at inquiring into the factors which help the process of adoption and diffusion of innovations in the school systems.
Description	<p>- Acceptance and assimilation of innovations depend on a number of factors, wherein the principal of a school has been found to be the key person. An attempt is made to find out the personal characteristics of the principals which contribute greatly in the adoption of educational innovations in schools. The diffusion of educational innovations depends mainly on the members of the faculty working with the principal. Hence the second phase of the study deals with the teachers' characteristics which are conducive to change. The inquiry into the characteristics of the principal and the teachers is also made in the context of the climate in which they are working. In short, the project aims at having a deep inquiry into the characteristics of the two most important factors - namely, the principal and the teachers of the school, in the change process.</p> <p>In the third phase of the project, an attempt has been made to find out the characteristics of innovations which are easily and more readily accepted by the school systems.</p>
Dates of Commencement	- 1st phase: May, 1968. 2nd phase: October, 1969. 3rd phase: September, 1970.
Expected Dates of Completion	- 1st phase: July, 1971. 2nd phase: September, 1971. 3rd phase: September, 1972.
Source of Finance	- Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University, Baroda.
Method and Anticipated Date of Publication	- To be published by the Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University of Baroda, India.
<hr/>	
5. Name of Institution	- University of Nairobi, Nairobi, Kenya.
Title of Project	- AN ANALYSIS OF PER CAPITA COST OF PUPILS IN DIFFERENT CATEGORIES OF SECONDARY SCHOOLS IN KENYA IN 1971/72
Name of Person and Designation	- <u>Godfrey Mbiti Nguru</u> - Teacher.

A - Educational Planning

Main Aim of Project	- The aim of the project is to find out how much it costs to educate a pupil in secondary school. This is intended to help educational planners in the country when they allocate money to schools and Headmasters of schools when they draw estimates to submit to the Ministry of Education.
Description	- The project is part of a larger study in "Finance and Administration of Education in Kenya". The project is in four stages: (i) Collection of sources, especially estimates from the Ministry of Education, Teachers Service Commission and Ministry of Economic Planning. (ii) Visiting schools, talking to headmasters, school bursars, wardens and all concerned with finances in a school. (iii) Tabulation of the collected data and drawing conclusions. (iv) Writing and publication. As I have just started, I am mainly studying the methodologies involved in such a study.
Date of Commencement	- April, 1971.
Expected Date of Completion	- April, 1973.
Source of Finance	- Personal.
<hr/>	
6. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- UNIVERSITY PLANNING AND DEVELOPMENT WITHIN THE CONTEXT OF EDUCATIONAL DEVELOPMENT
Name of Person and Designation	- <u>A. Wandira</u> - Professor and Head, Department of Education.
Main Aim of Project	- To investigate the planning and development history of Makerere from 1949-1970.
Description	- A study of the planning objectives, procedures, and implementation of plans of Makerere University College 1949-1970, within the context of Uganda National Development Planning. Factors influencing planning and implementation. Apparent gap between plans and their implementation. Findings and recommendations. Application to educational planning procedures at national and university levels.
Date of Commencement	- April, 1971.

A - Educational Planning

Expected Date of Completion	- March, 1972.
Source of Finance	- Probably Makerere Research Grant Committee.
Method and Anticipated Date of Publication	- As a paper, unknown yet.
<hr/>	
7. Name of Institution	- Department of Education, University of Zambia, Lusaka.
Title of Project	- AN INQUIRY INTO STAFFING OF SECONDARY SCHOOLS IN ZAMBIA.
Name of Person and Designation	- <u>Dr. James Elliot</u> - UNESCO specialist in Educational Planning and Administration.
Main Aims of Project	- (a) To attempt to establish more accurately than at present, by a series of formulae, a method of estimating the number of teachers of various specialisms required by different types of secondary schools. The establishment of more objective and reliable criteria for accurately estimating the teacher requirements of individual secondary schools and so of the secondary system as a whole. (b) By interviewing a representative sample of headmasters to gather information relative to the problems of staffing procedures not readily amenable to tabulation. In a broad sense to systematically assemble the views of heads of secondary schools as to the principles guiding good staffing practices. (c) To study the attitudes of secondary teachers to the actual work involved in teaching as well as their attitudes to the broader issues in education. To estimate the secondary teacher's 'work load' and how he spends and distributes his time between the various tasks involved in the teaching process.
Description	- The investigation involves studies to be carried out in two parts. From school staffing returns and other statistical information available at the Ministry of Education, part 1 of the inquiry will, in particular, concentrate on a comparative analysis of pupil teacher ratios in all secondary schools. In part 2 of the inquiry, a more detailed analysis on staffing and organisation in a carefully selected sample

A - Educational Planning

of 20% of all secondary schools will be carried out. By a system of semi-structured interviews with the headmaster and two members of the staff, data will be collected relative to the aims stated above.

Date of Commencement	- January, 1971.
Expected Date of Completion	- June/July, 1971.
Source of Finance	- University of Zambia Research and Higher Degrees Committees.
Method and Anticipated Date of Publication	- Uncertain. Initially by means of a duplicated report of limited circulation. A later approach to I.I.E.P. or other UNESCO agency to consider the possibility of wider publication.

Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- ENVIRONMENTAL STUDIES PROJECT. See R 12

Name of Institution	- Institute of Education, University of Ife, Nigeria.
Title of Project	- THE SIX YEAR PRIMARY PROJECT. See H 18

8. Name of Institution	- University of London Institute of Education and Higher Education Research Unit, London School of Economics, Britain.
Title of Project	- POST-MORTEMS OF MANPOWER FORECASTS.
Names of Persons and Designations	- <u>B. Ahmad</u> - L.S.E.; <u>M. Blaug</u> , Institute of Education.
Main Aim of Project	- To evaluate national manpower forecasts of a number of countries.
Description	- Case studies of 8 countries (U.S., U.K., Canada, France, Sweden, India, Thailand and Nigeria) and forecasts for the whole labour forces as well as for special groups (teachers, doctors, engineers and scientists).
Date of Commencement	- May, 1969.
Expected Date of Completion	- March, 1971.
Source of Finance	- S.S.R.C. Programme Grant to Higher Education Research Unit, L.S.E..

A - Educational Planning

Method and Anticipated Date of Publication	- February, 1972, book (Allen Lane, The Penguin Press) in I.S.E. Education series.
<hr/>	
9. Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education, Britain.
Title of Project	- EDUCATIONAL VALUES AND AFRICAN DEVELOPMENT
Name of Person	- <u>Uga Onwuka</u> .
Main Aim of Project	- To examine why, in spite of all expenses in men and money, Africa still remains underdeveloped.
Description	- The study begins with a general consideration of the concept of development, then it examines to what extent there has been real development in Africa. Accepting the principles that development is inter-related with education, and that it demands a degree of common purpose and feeling, the author describes the educational systems - indigenous and the western-type - that operate in Africa. An examination of the expectations of education by Europeans and Africans themselves helps to establish areas of value-conflicts as the principal developmental obstacles. It ends with how the educational system could be used to facilitate the expected development of Africa.
Date of Commencement	- January, 1968.
Expected Date of Completion	- Summer, 1971.
Source of Finance	- Self-effort
Method and Anticipated Date of Publication	- University of London Ph.D. thesis, 1971.
<hr/>	
10. Name of Institution	- Centre for West African Studies, Birmingham University, Britain.
Title of Project	- PRIMARY ENROLMENT
Name of Person and Designation	- <u>Dr. M. Peil</u> - Lecturer in Sociology.
Aim/Description	- An investigation of the growth and decline of primary enrolment in Ghana, Nigeria, Sierra Leone, Kenya and Malawi. Where data are available, the study will deal with regional variations and with variations in enrolment by sex. These changes will be related to social and political factors in the respective countries.
Source of Finance	- None.
Method of Publication	- Journal article.
<hr/>	

A - Educational Planning

11. Name of Institution - Department of Educational Studies,
University of Hull, Britain.
- Title of Project - THE EDUCATION OF WOMEN AND GIRLS
IN NIGERIA
- Name of Person and Designation - Daphne Asinge - Research Student.
- Description - To describe the provision and development
of education for girls and women in Nigeria,
with some attempt to consider their results.
- Date of Commencement - 1970.
- Expected Date of Completion - 1971.
- Source of Finance - Personal.
-
12. Name of Institution - Queen Elizabeth House, Oxford.
- Title of Project - FINANCING OF EDUCATION IN NIGERIA
- Name of Person - Dr. Archibald Callaway.
- Main Aim of Project - To bring up to date an earlier monograph on
Financing of Education in Nigeria
(A. Callaway and A. Musone; Paris, IIEP,
1968), which covers the years 1952-62.
- Description - Study of public and private financing of all
levels of formal education - primary,
secondary, technical, teacher training, and
university - for the years 1962 through
1970; for the Federation as a whole, the
Regions, and (for the last 3 years) the 12
States. Deriving from this research are
proportions of national income and budgets;
costs per pupil, per classroom.
Mr. B. Briggs, of NISER, University of
Ibadan, is collaborating in this work.
- Date of Commencement - 1970.
- Expected Date of Completion - 1972.
- Method and Anticipated Date of Publication - NISER, University of Ibadan, Nigeria; 1972.
-
13. Name of Institution - Institute of Economics and Statistics,
University of Oxford, Britain.
- Title of Project - EDUCATION AND EARNINGS IN AFRICA
- Name of Person and Designation - J.B. Knight - Research Officer.

A - Educational Planning

Description	- Part of a wider study on earnings in African countries. It involves an examination of the relation between education and earnings and its implications for educational planning.
Date of Commencement	- 1966.
Expected Date of Completion	- 1972.
Source of Finance	- Institute of Economics & Statistics.
Method and Anticipated Date of Publication	- In book form, 1972.
<hr/>	
14. Name of Institution	- Department of Educational Foundations, Faculty of Education, University of Calgary, Canada.
Title of Project	- CANADA'S ROLE IN THE DEVELOPMENT OF EDUCATION IN NON-WESTERN NATIONS SINCE 1945
Name of Person and Designation	- <u>Dr. Mathew Zachariah</u> - Associate Professor.
Main Aim of Project	- To survey the role of Canadian Governmental and Non-Governmental organisations in promoting the expansion and/or modernisation of educational systems in the non-western world.
Description	- Collection, classification and analysis of archival data; questionnaires mailed to non-governmental organisations.
Date of Commencement	- March, 1971.
Expected Date of Completion	- November, 1971.
Source of Finance	- The University of Calgary General Research Fund.
Method of Publication	- The results will be published as a chapter in a book tentatively entitled <u>Studies of Educational Change</u> (co-authored by R.D. Heyman, R.F. Lawson and M. Zachariah) to be published by Holt, Rinehart and Winston of Canada.
<hr/>	
Name of Institution	- Department of Educational Foundations, Faculty of Education, University of Calgary, Canada.
Title of Project	- THE IMPACT OF LONG-TERM EDUCATIONAL ADVISORY EXPERTS OF THE DEVELOPMENT OF NEW NATIONS
	See D 4
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A - Educational Planning

15. Name of Institution - Institute of Education and Research, University of the Punjab, New Campus, Lahore, Pakistan.
- Title of Project - COMPREHENSIVE EDUCATIONAL RESEARCH PROJECT
- Names of Persons and Designations - A.H. Syed - Professor and Project Director;
Dr. Zulfiqar Ahmad - Director, Research Operations.
- Main Aim of Project - To collect information regarding various aspects of education in the Province of the Punjab. This information could be of use to the government in formulating development plans and educational reform policies.
- Description - The project involves eight investigations, under the following headings.
1. The supply of, and demand for, primary school teachers in the Punjab.
 2. The supply of, and demand for, secondary school teachers in the Punjab.
 3. School facilities in the Punjab.
 4. The causes of "dropping-out" from primary schools in the Punjab.
 5. The private expenditure of parents on children's education in the Punjab.
 6. The use of television in teacher training in the Punjab.
 7. Analysis of illiterate ten-year-olds in an educational district of the Punjab.
 8. Functional literacy teaching materials and methods.
- Each study is being undertaken by a working group composed of research staff members of the Institute.
- Date of Commencement - July, 1970.

A - Educational Planning

Expected Date of Completion	- June, 1972.
Source of Finance	- USAID, through the Government of the Punjab.
Method and Anticipated Date of Publication	- The Institute will publish the studies at the end of 1972.

16. Name of Institution	- Institute of Education and Research, University of the Punjab, New Campus, Lahore, Pakistan.
Title of Project	- FINANCING OF EDUCATION
Names of Persons and Designations	- <u>A.H. Syed</u> - Professor and Project Director; <u>Dr. Zulfiqar Ahmad</u> - Director, Research Operations; <u>Miss Munawar S. Mirza</u> - Assistant.
Main Aim of Project	- This project is related to a global project of the International Institute for Educational Planning, UNESCO, Paris, on the subject of strategies of financing education in the various countries of the world.
Description	- The two studies being conducted at this institute, as a part of this project, are as follows. 1. The financing of privately managed educational institutions in the Punjab. 2. The financial implications of the proposed decentralization of school administration at the district level.
Dates of Commencement	- Study 1: June, 1971. Study 2: December, 1971.
Expected Dates of Completion	- January, 1972. May, 1972.
Sources of Finance	- The Institute of Education and Research, the University of the Punjab; the International Institute for Education Planning, UNESCO; and the Ministry of Education of the Government of Pakistan.

A - Educational Planning

Method and Anticipated Date of Publication	- The International Institute for Educational Planning, UNESCO, is expected to publish the study in 1972.
<hr/>	
Names of Institutions	- Department of Education in Tropical Areas, Institute of Education, University of London, Britain; Commonwealth Secretariat, Marlborough House, London, Britain.
Title of Project	- A STUDY OF SPECIAL EDUCATION IN THE LOW-INCOME COUNTRIES OF THE COMMONWEALTH See N 2
<hr/>	
Names of Institutions	- Department of Education in Tropical Areas, Institute of Education, University of London, Britain; Commonwealth Secretariat, Marlborough House, London, Britain.
Title of Project	- THE ROLES OF COMMISSIONS OF ENQUIRY AND SPECIAL REPORTS IN THE EFFECTIVE DEVELOPMENT OF EDUCATION IN SELECTED DEVELOPING COMMONWEALTH COUNTRIES See D 5
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B - THEORIES AND HISTORY

History and philosophy of education; comparative education.

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- | | | | |
|----|--------------------------------|---|--|
| 1. | Name of Institution | - | Faculty of Education, University of Nairobi, Kenya. |
| | Title of Project | - | A STUDY OF ENGLISH PUBLIC SCHOOL TRADITION IN THE FORMER GOVERNMENT EUROPEAN SECONDARY BOARDING SCHOOLS IN KENYA AND ITS INFLUENCE ON OTHER SECONDARY SCHOOLS |
| | Name of Person and Designation | - | <u>D. Oxlade</u> - Education Officer. |
| | Description | - | The thesis is divided into 3 parts: Part I concerns what we understand by the term English Public School and the English Public School tradition. It traces colonial attitudes, and the climate of opinion in Kenya, with the rise of the government secondary boarding schools for Europeans. It is mainly historical but comes up to the present day and shows the conflict of tradition with current African thought (African Socialism). Part II is mainly sociological in nature, showing the difference between these elite former European government boarding schools and other Kenyan schools as regards organisation, administration and philosophy. Part III is concerned with conclusions, and suggestions about the role of these schools within the Kenyan educational system. |
| | Expected Date of Completion | - | 1972. |
| | Source of Finance | - | Private, but applied for grant to Foreign and Commonwealth Office. |
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- | | | | |
|----|--------------------------------|---|--|
| 2. | Name of Institution | - | Faculty of Education, Makerere University, Kampala, 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. |

B - Theories and History

Date of Commencement	- September, 1967.
Expected Date of Completion	- Early 1972.
Source of Finance	- Makerere University College and Overseas Development Administration, U.K..
Method and Anticipated Date of Publication	- Book to be published probably in 1972.
<hr/>	
3. Name of Institution	- Makerere Institute of Social Research, Makerere University, Kampala, Uganda.
Title of Project	- THE GROWTH OF A MODERN SYSTEM OF EDUCATION IN COLONIAL UGANDA; A SOCIOLOGICAL STUDY
Name of Person and Designation	- <u>Jacob Van Lutsenburg Maas</u> - Research Associate.
Description	- The dissertation is a macro-sociological case study of the building up of a modern system of education just before and during Uganda's colonial period. Special attention is being given to the interplay of dominant social and educational trends of the era. Among these are: (1) the increasing structural differentiation both between political and educational organisation and within education itself; (2) the diffusion of a cash crop economy and educational facilities; (3) the emergence of denominational pluralism and the secularisation of the education curriculum; (4) the centralisation and bureaucratisation of control of education; (5) the democratisation of social selection into and within the schools; (6) the increasing adaptation of educational output with opportunities in newly developing occupations. These and other trends are not seen as rigidly correlated or as necessarily unidirectional. Rather there is a possibility for separate forward and back movement along each of these dimensions of change which it is my purpose to trace, explain and, if justified, relate together. The activation and continuation of these trends, none of which is automatic or inevitable, is being sought in the on-going conflict, competition, co-operation and co-optation between significant groups and individuals.
<hr/>	
4. Name of Institution	- Makerere Institute of Social Research, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATIONAL HISTORY: ROLE OF AFRICA IN THE DEVELOPMENT OF EDUCATIONAL POLICY

B - Theories and History

Name of Person and Designation	- <u>V.M. Battle</u> - Research Associate, Political Science Department.
Date of Commencement	- 1970.
<hr/>	
5. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATION DEVELOPMENT IN EAST AFRICA, 1939-1960
Name of Person and Designation	- <u>J.C. Ssekamwa</u> - Lecturer.
Main Aim of Project	- To trace the development of education in East Africa.
Description	- Preparation of a text book on the educational history of East Africa.
Date of Commencement	- July, 1970.
Expected Date of Completion	- December, 1972.
Source of Finance	- Makerere.
Method and Anticipated Date of Publication	- As a book, in 1973.
<hr/>	
6. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- HISTORY OF EDUCATION
Name of Person and Designation	- <u>T. Watson</u> - Senior Lecturer.
Main Aim of Project	- To trace the history of education in East Africa from 1900-1924.
Description	- History of education in East Africa from 1900 to 1924, with special reference to the education of African elites. The basis of this research appeared in my doctoral thesis, "The History of Church Missionary High Schools in Uganda from 1900 to 1924: the Education of a Protestant Elite". It is being prepared for publication under the title, "The Education of an African Elite".
Date of Commencement	- July, 1970.
Expected Date of Completion	- July, 1972.
Source of Finance	- None so far.
Method and Anticipated Date of Publication	- As a book, about 1973.
<hr/>	

B - Theories and History

7. Name of Institution - Department of History, Chancellor College, University of Malawi.
- Title of Project - THE CONTRIBUTION OF THE UNIVERSITIES MISSION TO CENTRAL AFRICA (U.M.C.A.) IN THE FIELD OF MALAWIAN EDUCATION
- Name of Person and Designation - Revd. Philip Elston - Chaplain of Malosa Secondary School.
- Main Aim of Project - To present a study of the nature, purpose and results of the education provided by the Universities Mission in the period 1885-1930.
- Date of Commencement - October, 1969.
- Expected Date of Completion - April, 1972.
- Source of Finance - At candidate's own expense.
- Method of Publication - There are no plans (at present) for the publication of this study.
-
8. Name of Institution - University of Lagos, College of Education, Lagos, Nigeria.
- Title of Project - THE DEVELOPMENT OF THE NIGERIAN EDUCATIONAL SYSTEM SINCE 1944
- Name of Person and Designation - C.O. Taiwo - Professor of Education.
- Main Aim of Project - The growth, development and trends of the system.
- Description - This is a continuation of the thesis "Henry Carr: An African Contribution to Education" (completed in 1970), which brings out in full relief the problems of establishing and maintaining an educational system.
- The period which is being considered includes the birth of a university, the decentralization of administration of education and the post-independence development.
- Date of Commencement - January, 1971.
- Expected Date of Completion - October, 1972.
- Anticipated Date of Publication - Soon after completion.
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9. Name of Institution - School of Education, University of Reading, U.K..
- Title of Project - A COMPARATIVE STUDY OF EDUCATIONAL DEVELOPMENT IN THAILAND, MALAYA AND SINGAPORE

B - Theories and History

Name of Person	- <u>John K.P. Watson.</u>
Main Aim of Project	- To trace the growth of educational development - how this has been altered/ created by Western impact - what problems have been left.
Date of Commencement	- October, 1969.
Expected Date of Completion	- Not known.
Source of Finance	- Private.
Method and Anticipated Date of Publication	- Too early to state.
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10. Name of Institution	- Department of History, University of Wisconsin, Madison, Wisconsin 53706, U.S.A..
Title of Project	- EDUCATION AND CULTURAL CHANGE AMONG THE MALAYS 1900-1940
Names of Persons and Designations	- <u>Prof. David J. Radcliffe</u> - currently Assistant Professor, Althouse College, University of Western Ontario; <u>John R.W. Smail</u> - Assoc. Professor, Dept. of History, University of Wisconsin.
Main Aim of Project	- To examine the educational factors contributing to the growth of a sense of communal identity among the Malaysian immigrants of several linguistic groups (from Sumatra and the Malaysian Archipelago) to the Malay peninsula during the period of British colonial rule.
Description	- Research based on one year's archival and field-work in Malaya, 1967-68. Includes a case study of one mukim (district) in Selangor.
Date of Completion	- January, 1970.
Source of Finance	- United States Office of Education; small contract.
Method of Publication	- Thesis available in Microfilm or Xerox from University Microfilms, Ann Arbor, Michigan, U.S.A. Ref: 70-90,167.
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11. Name of Institution	- Faculty of Education, University of Calgary, Canada.
Title of Project	- BRITISH COLONIAL REACTION TO AFRICAN INITIATIVES IN EDUCATION
Name of Person	- <u>Dr. R.D. Heyman.</u>

B - Theories and History

Description	- A study of African initiatives in education in the British African Territories before independence.
Date of Commencement	- January, 1971.
Expected Date of Completion	- June, 1972.
Source of Finance	- University of Calgary, University Research Grant.
Method and Anticipated Date of Publication	- Part to appear in published findings of B.12, and some to appear subsequently as journal articles.
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12. Name of Institution	- Faculty of Education, Department of Educational Foundations, University of Calgary, Canada.
Title of Project	- STUDIES IN EDUCATIONAL CHANGE - A TEXT IN COMPARATIVE EDUCATION
Names of Persons and Designations	- <u>Dr. R.D. Heyman;</u> <u>Dr. R.F. Lawson;</u> <u>Dr. M. Zachariah.</u>
Description	- Sections on: Method; Europe (W. Germany); Asia (India); Africa (Kenya and Tanzania); North America (Canada). Each section will discuss conceptual framework and method, present an analysis and description of current work in the area and present original research by the authors.
Date of Commencement	- January, 1971.
Expected Date of Completion	- November, 1971.
Method and Anticipated Date of Publication	- Spring, 1972, Toronto: Holt, Rinehart & Winston.
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13. Name of Institution	- Faculty of Education, McGill University, Canada.
Title of Project	- PATTERN OF HIGH SCHOOL STUDENT CONCERNS: EAST AND WEST: MONTREAL, CANADA AND BANGALORE, INDIA
Name of Person and Designation	- <u>Dr. Kananur V. Chandrasekharaiah -</u> <u>Assistant Professor of Education.</u>
Main Aim of Project	- To investigate the personal hopes and aspirations, worries and fears of the high school seniors in Bangalore City, India and in Montreal, Canada, and to determine their attitudes towards the social problems of their respective countries.

B - Theories and History

Description	<p>- To find out the personal hopes and fears of the high school students, a coding system has been developed. The coding system is given in the study. Each student was asked to define, on the basis of his assumptions, perceptions, goals, and values the two extremes on which some scale measurement is desired; for example, he may be asked to define the "good" and "bad". This self-defined continuum was used as a measuring device. He describes, at the top, his hopes and at the bottom, his fears, as he personally conceives them. Later, utilizing a nonverbal ladder device, he was asked where he thinks he stands on the ladder today, with the top being the best life as he has defined it, the bottom the worst life as he has defined it. He was also asked where he thinks he stood in the past and where he thinks he will stand in the future.</p> <p>Verbatim reports were taken in the personal interviews with the students. Later, the reports were analyzed and coded according to the coding scheme.</p>
Date of Commencement	- March, 1970.
Expected Date of Completion	- March, 1971.
Sources of Finance	- 1) McGill Faculty of Education, Montreal. 2) M/s. Jagadeeshaiah & Bros., Bangalore, India.
Method of Publication	- A copy of the completed study has been presented to the following people: 1) McGill Faculty of Education Research Committee: 2) Public Archives, Ottawa, Canada: 3) Protestant School Board of Greater Montreal, Montreal, Canada.
Name of Institution	- Ontario Institute for Studies in Education, Toronto, Canada.
Title of Project	- THE LEARNING PROJECTS OF ACCRA ADULTS See M 9

B - Theories and History

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| 14. | Name of Institution | - | School of Education, University of Singapore. |
| | Title of Project | - | HISTORY OF CHINESE EDUCATION IN SINGAPORE AND MALAYA |
| | Name of Person and Designation | - | <u>Y.H. Gwee</u> - Acting Director of the School. |
| | Description | - | 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 the period will then be written. |
| | Date of Commencement | - | Mid-1967. |
| | Expected Date of Completion | - | Early 1972. |
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| 15. | Name of Institution | - | Institute of Education, University of Sind, Hyderabad, Pakistan. |
| | Title of Project | - | EDUCATION IN SIND BEFORE THE BRITISH CONQUEST AND EDUCATIONAL POLICIES OF THE BRITISH COLONIAL GOVERNMENT |
| | Name of Person and Designation | - | <u>Dr. N. A. Baloch</u> - Director, Institute of Education. |
| | Description | - | 1. Edited an original work of the teacher-educator Jafar' Al-Bubakani of Sind, Pakistan, who wrote in 1568.

2. Edited two original reports, viz:
(a) B.H. Ellis, "Report on Education in Sind." (1856)

(b) R.F. Burton, "Muslim Education in Sind." (1851)

The projects were undertaken as a part of the research and publication programme of the Institute. |
| | Dates of Publication | - | 1. 1969.
2. 1971. |
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B - Theories and History

16. Name of Institution - Institute of Education, University of Sind, Hyderabad, Pakistan.
- Title of Project - RESEARCH INTO THE HISTORY OF EDUCATION
- Name of Person and Designation - S. Ahmad - Assistant Professor, Institute of Education.
- Description - 1. Education in early Muslim and Indo-Muslim society.
2. Education during British colonial rule in India.
- Dates of Publication - 1. 1970.
2. 1972.
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C - METHODS OF ENQUIRY

Research methods; testing and evaluation.

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| 1. | Name of Institution | - University of Papua and New Guinea . |
| | Title of Project | - INTERACTION IN A FORM I CLASSROOM |
| | Name of Person and Designation | - <u>Dr. G. A. Trevaskis</u> - Senior Lecturer in Education. |
| | Main Aim of Project | - To determine the suitability of the Flanders Interaction Analysis system as an instrument to describe differences in interaction in four subjects taught in a Form I Classroom. |
| | Description | - The study was a pilot study designed to describe the interaction of four subject teachers of a Form I class in a Papuan and New Guinean high school and to be the basis for more extensive studies on the differences between interaction in social science classrooms and other subject classrooms. |
| | Date of Commencement | - August, 1970 . |
| | Date of Completion | - October, 1970. Part 2 of the project to be conducted July-August, 1971 . |
| | Source of Finance | - Department of Education, Konedobu. |
| | Method of Publication | - Reports submitted to Research Branch, Department of Education, Konedobu, Territory of Papua and New Guinea. |
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| 2. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - MODERN EXAMINING |
| | Name of Person | - <u>Dr. Norman K. Henderson</u> and group of examiners. |
| | Description | - An analytical and critical account of examining techniques, with examples, and specially applied to the Hong Kong school examination system. |
| | Date of Commencement | - September, 1969. |
| | Source of Finance | - Department of Education, University of Hong Kong. |

C- Methods of Enquiry

3. Name of Institution - Department of Educational Psychology & Foundations of Education, National Institute of Education, National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi, 16, India.
- Title of Project - DEVELOPMENTAL NORMS PROJECT FOR THE AGE GROUP 5½-11 YEARS
- Names of Persons and Designations - Dr. (Mrs.) P.H. Mehta, Head, Department of Educational Psychology and Foundations of Education, National Institute of Education;
Miss Indira Malani, Reader;
Mrs. Updesh Kaur Bevli, Lecturer;
Mr. H.M. Kannade, Senior Research Assistant;
Miss Chitra Sachadeva, Professional Assistant.
- In collaboration with:
Dr. N.V. Tirtha, Professor and Head of Department of Postgraduate Studies in Education, Bangalore 9;
Dr. E.G. Parameswaran, Professor and Head of Department of Psychology, Osmania University, Hyderabad;
Dr. A.K. Singh, Professor and Head, Postgraduate Department of Psychology, Ranchi University, Ranchi;
Dr. S.V. Kale, Professor and Head of Department of Applied Psychology, University of Bombay;
Dr. E.I. George, Professor and Head of Department, Department of Psychology, University of Kerala;
Dr. B.B. Chatterji, Professor of Psychology and Education, Gandhian Institute of Studies, Varanasi.
- Main Aim of Project - To understand the development of Indian children in the age group 5½ to 11 years, in order to improve the process of education.
- Description - This study investigates the relationship between environmental variables (home and school) and levels of school achievement, cognitive development and social maturity of Indian children of grades I, II and V.
The core study, being conducted by the Department of Educational Psychology and Foundations of Education, will investigate the inter-relationship of all the variables, whereas the studies being conducted by the six collaborating centres will each investigate a different aspect.

C - Methods of Enquiry

Date of Commencement	- June, 1970.
Expected Date of Completion	- March, 1975.
Source of Finance	- Funds of National Council of Educational Research & Training.
Method and Anticipated Date of Publication	- The research reports from all the seven centres will be intergrated and published as a research monograph, probably in 1976.

4.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- CONSTRUCTION AND APPLICATION OF INTELLIGENCE TESTS
	Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology and Head of Department.
	Description	- The norms of the Oliver Test are in the process of being revised for application in East Africa. The Lule Non-Verbal Intelligence Test, revised by the writer for application in Africa, has been used in educational research and is available. The General Verbal Ability Test, devised by the writer, has been applied in the schools and is also available.
	Date of Commencement	- November, 1965.
	Date of Completion	- Research continuing.
	Source of Finance	- Department of Educational Psychology and Institute of Education, Makerere University.
	Method and Anticipated Date of Publication	- In journals and departmental monographs.

5.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- THE SEVEN DASHES TEST
	Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology and Head of Department.
	Description	- A test of figural content was constructed consisting of seven dashes. Subjects were asked to draw as many different patterns, figures or symbols as they could in a limited amount of time using seven dashes of whatever length they desired. Information about the activities and interests of the subjects is thereby obtained. Divergent production of figural units was tentatively identified in a preliminary

C - Methods of Enquiry

		manipulation of the responses led to the conclusion that the responses depended heavily on experience and learning.
Source of Finance	-	Department of Educational Psychology and Institute of Education, Makerere University.
Date of Commencement	-	1966.
Expected Date of Completion	-	1972.
Method and Anticipated Date of Publication	-	In journals and departmental monographs.
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6.	Name of Institution	- Department of Educational Psychology, Makerere, University, Kampala, Uganda.
	Title of Project	- THE COGNITION OF BEHAVIOURAL UNITS (FACES) IN EAST AFRICAN STUDENTS
	Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology and Head of Department.
	Description	- The main purpose of this investigation was to construct an African facial expression test to ascertain whether the cognition of behavioural units (faces) is to be found in the East African cultures. A preliminary test of twenty-four items was constructed. After two trials, using a sample of B.Ed. University students, the test was reduced to eleven items and the cognition of behavioural units (faces) was identified in an East African sample. This test is similar to another Western faces test constructed by the writer in 1963.
	Date of Commencement	- 1966 .
	Date of Completion	- March, 1971 .
	Source of Finance	- Department of Educational Psychology and Institute of Education, Makerere University.
	Method and Anticipated Date of Publication	- In journals and departmental monographs.
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7.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- THE MATHEMATICAL ABILITY OF EAST AFRICAN STUDENTS
	Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology and Head of Department.
	Description	- A three-part study of mathematical aptitude in secondary school students was

C - Methods of Enquiry

completed. The first part found significant correlations between the Ballard Test of Arithmetic Reasoning and marks from teachers' examinations in English and mathematics. The one hundred item Ballard Test was divided into three equivalent shorter forms. The second part was an analysis of group factors in mathematical ability using thirteen tests and mathematics examination marks. Factors with some relation to the maths. examination marks were the numerical factor and the general reasoning factor. The third part was a factor analysis of the thirteen tests and themaths. exam.. The maths. exam. marks were found to relate to the numerical facility factor , the deductive reasoning factor and the visualization factor. The other factors were word fluency, clerical ability, spatial ability, and verbal reasoning.

Date of Commencement	- November, 1965.
Date of Completion	- February, 1971.
Source of Finance	- Department of Educational Psychology and Institute of Education, Makerere University.
Method and Anticipated Date of Publication	- In journals and departmental monographs.

8. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE CONSTRUCTION AND APPLICATION OF AN ACADEMIC APTITUDE TEST PAPER FOR THE SELECTION OF MATURE AGE ENTRANTS TO THE UNIVERSITY OF EAST AFRICA
Name of Person	- <u>Ronald Francis Clarke.</u>
Description	- An academic aptitude test was constructed to aid in the first stage of selection of mature age applicants to the University. It was applied and revised in 1968 and 1969. As an eliminator, the test was found to be reasonably reliable and efficient. Its power to predict rank order success, however, was found to be low, although the verbal part of the test was found to predict academic achievement better than the test as a whole. The main advantage of using the A.A.T. paper in candidate selection was found to be its capacity to test certain abilities, apart from passing examinations, important in university life,

C - Methods of Enquiry

		such as perception of relationships, semantic discrimination, problem-solving and accuracy.
Date of Completion	-	April, 1971.
Source of Finance	-	Private.
Method and Date of Publication	-	Main Library, Makerere University, Kampala. April, 1971.
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9.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- INVESTIGATION AMONG UGANDAN CHILDREN OF SOME ASPECTS OF PIAGET'S THEORY
	Name of Person and Designation	- <u>B. Otaala</u> , Senior Lecturer.
	Main Aim of Project	- To investigate the extent to which earlier results of experiments on Piaget's theory, obtained from testing Iteso children of Uganda, can be replicated in other parts of Uganda.
	Description	- The investigator has done some work on the development of operational thinking in Iteso primary school children. This is to be repeated on a larger scale with children from other regions of Uganda.
	Date of Commencement	- April, 1971.
	Expected Date of Completion	- March, 1973.
	Source of Finance	- Being sought.
	Method and Anticipated Date of Publication	- Probably as a monograph towards the end of 1973.
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10.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- THE APPLICATION OF OBJECTIVE TESTS FOR ASSESSING ACADEMIC ACHIEVEMENT IN SCIENCE
	Name of Person and Designation	- <u>Allan C.E. Sanders</u> .
	Description	- An investigation into the assessment of the abilities measured by different methods of testing science achievement. A comparison of abilities required for answering questions of the conventional essay type and the objective multiple-choice type is made in physics and chemistry on a sample of secondary two students. Factor analyses suggest that reasoning ability and general intelligence

C - Methods of Enquiry

	are the most important abilities for achievement in science at the academic level tested.
Date of Completion	- 1970.
Source of Finance	- Private.
Method and Date of Publication	- Main Library, Makerere University, 1970.
Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE APPLICATION OF CATTELL'S 16. P.F. QUESTIONNAIRE TO EAST AFRICAN STUDENTS See E 14
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11. Name of Institution	- University of Malawi, Soche Hill College.
Title of Person	- <u>F.G. Lockwood.</u>
Main Aim of Project	- To produce a battery of tests which can be used to select those male pupils who have passed the primary school leaving certificate and who are eligible for entrance to technical courses (by technical courses I refer to woodwork, metalwork, technical drawing) offered at certain secondary schools in Malawi.
Description	- The initial work involved the selection of various tests which could be combined and modified to produce a battery of tests for the prediction of technical aptitude. An attempt was made to select tests which had: (a) been tried out in other African countries with successful results and (b) those which were supposedly "culture free". Certain other factors were kept firmly in mind while the selection of tests was being made. viz. 1. That any test selected would need to be administered on a large scale and would need the minimum of instructions and supervision. 2. That tests should be mainly of a "paper and pencil" type and avoid complicated apparatus and equipment. 3. That the cost of tests be kept to a minimum; if possible merely to

C - Methods of Enquiry

the cost of paper and printing.

4. That ease and speed of marking were desirable but not essential.

Some tests had to be discarded because the cost of purchasing copies of these was too high. Others were discarded because of possible difficulties in their administration.

Eventually fifteen tests, which were thought to fulfill all the necessary requirements, were selected.

After this preparatory work, a pilot study into the feasibility of such a predictive battery of tests was carried out, which involved the testing of a selected group of pupils within a secondary school who were studying technical subjects. The predictive nature of the selected tests will be established by correlating the pupils' scores on the tests against their performances throughout the year (As indicated by course work and examination marks in technical subjects.) The fifteen selected tests were administered to these Form I pupils at Soche Hill Secondary School and Chichiri Secondary School, who took technical subjects.

These tests were marked and the scores correlated with the pupils' performances in technical subjects over two terms.

From the results obtained, seven tests were discarded as being poor predictors of technical ability and were administered to a larger sample in five secondary schools (5 schools, sample of 340 pupils). These tests have been marked. I am now waiting for information about performances in the actual subjects. This is to be based on course work, marks and examination results over two terms. From this additional information, I hope to produce a final predictive battery of tests.

Date of Commencement	- November, 1969.
Expected Date of Completion	- January, 1972.
Sources of Finance	- 1. Research Grant from the University of Malawi. 2. Grant from the Regional Testing Centre, Limbe, Malawi (USAID - AIR).

C - Methods of Enquiry

Method and Anticipated Date of Publication	- Extracts to be offered to: "Education in Eastern Africa".
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12. Name of Institution	- Test Development & Research Office of West African Examinations Council, Lagos.
Title of Project	- DIFFERENTIAL WEIGHTING IN WEST AFRICAN SCHOOL CERTIFICATE EXAMINATION
Name of Person and Designation	- <u>Dr. S.S.A. Akeju</u> , Principal Research Officer.
Main Aim of Project	- To investigate the effect of regression differential weighting on candidates' grades in school certificate.
Description	- Taking teachers' estimates as a valid appraisal of pupils' abilities, the estimates obtained in biology from several Nigerian schools in December 1969 were transformed to the same scale and used as criterion variables to obtain regression weights for three biology part scores in the 1969 examination. The weights were used to predict school certificate grades in biology, and the predicted grades compared with those actually awarded in 1969.
Date of Commencement	- January, 1970.
Expected Date of Completion	- July, 1971.
Method and Anticipated Date of Publication	- TEDRO research notes.

13. Name of Institution	- Test Development & Research Office of West African Examinations Council, Lagos.
Title of Project	- THE READER-RELIABILITY OF G.C.E. ENGLISH COMPOSITION PAPERS
Name of Person and Designation	- <u>Dr. S.S.A. Akeju</u> , Principal Research Officer.
Main Aim of Project	- To determine the reader-reliability of the essay tests currently used in West Africa.
Description	- The essay scripts of 100 candidates were a randomly selected from some 1,600 such papers from the examination held in Ghana in June 1970. The papers were xerox copied and assigned to named examiners to mark independently. The marks awarded to each paper by various examiners were compared.
Date of Commencement	- June, 1970.

C - Methods of Enquiry

Expected Date of Completion	- June, 1971.
Method	- Per journal.
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14. Name of Institution	- Test Development & Research Office of West African Examinations Council, Lagos.
Title of Project	- SAMPLE-FREE TEST CALIBRATION OF TEDRO TRIAL TEST ITEMS.
Name of Person and Designation	- <u>Dr. S.S.A. Akeju</u> , Principal Research Officer.
Main Aim of Project	- To determine whether TEDRO test calibration can be independent of the ability characteristics of the group used for item analysis.
Description	- The answer card of the 1969 TEDRO trial tests in arithmetic were recovered after the conventional scoring had been done. These cards were rescored and item analysed using the sample-free model. The item characteristics obtained from the two approaches will be compared and the differences between tests built from the two models identified.
Date of Commencement	- December, 1969 .
Expected Date of Completion	- December, 1971 .
Method	- Per journal. TEDRO research notes.
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15. Name of Institution	- West African Examination Council, Lagos, Nigeria.
Title of Project	- TESTING ENGLISH AS A SECOND LANGUAGE
Name of Person	- <u>Dr. A.I. Fiks</u> , Acting Head, Research Dept..
Main Aim of Project	- To develop a test of English reading comprehension for non-native speakers of English, using pre-scaled test items. The test may prove useful in the operational assessment of English skills as well as in language research.
Description	Having collected a large pool of sentences from United States newspapers and magazines, a group of experts in the field of teaching English as a foreign language independently rate each item on a 10 point scale; the data for acceptable sentences are converted into

C - Methods of Enquiry

interval-scale measurements such that numerically equal distances between two test scores correspond to empirically equal differences in English proficiency.

- Date of Commencement - 1968.
Expected Date of Completion - 1972.
Source of Finance - Un-sponsored .
Method of Publication - Published as test with technical manual .

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16. Name of Institution - Test Development & Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project - THE SYSTEMIC FEEDBACK FUNCTION OF SCHOOL CERTIFICATE/GCE OBJECTIVE TEST RESULTS
Name of Person and Designation - Dr. A.I. Fiks, Acting Head, Research Department.
Main Aim of Project - To analyze a method whereby objective scholastic achievement results may be used to improve the quality of teaching in the educational system of Nigeria.
Description - Proposal to the Nigerian Office of the West African Examinations Council to provide yearly error feedback from objective SC/GCE results to individual schools and to each State by syllabus topic, so as to pinpoint weak areas in the curriculum for improvement the following year; consideration of absolute, normative, and ipsative feedback models.
Date of Commencement - 1971.
Expected Date of Completion - 1971 .
Source of Finance - US Agency for International Development.
Method and Anticipated Date of Publication - Research note, 1971.

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17. Name of Institution - Test Development & Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project - AUDIO RECORDING OF SPOKEN ENGLISH AND MECHANICAL INFORMATION SUBTESTS OF ID BATTERY

C - Methods of Enquiry

Names of Persons and Designations	- <u>Dr. A.I. Fiks</u> , Acting Head, Research Department; <u>Miss A.A. Agboro</u> , Testing Officer, Aptitude Testing Department.
Main Aim of Project	- To standardize testing conditions further by eliminating intra and inter examiner variation in reading the test questions.
Description	- Tape recording of 40 -item 1D-16 (SPK) and 56-item 1D-7 (MEC) including instructions using West African voice; determination of the feasibility of tape test presentation; examination of suitability of existing norms based on "live" presentation.
Date of Commencement	- 1971.
Expected date of Completion	- 1971.
Sources of Finance	- US Agency for International Development and West African Examinations Council.
Method and Anticipated Date of Publication	- Research note, 1971.
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18. Name of Institution	- Test Development & Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project	- POTENTIAL ABILITIES (PAT.)
Names of Persons and Designations	- <u>Dr. A.I. Fiks</u> , Acting Head, Research Department; <u>T.O. Oyerinde</u> , Research Fellow.
Main Aim of Project	- Develop an aptitude test battery for manpower and educational selection, suitable for use in developing countries.
Description	- Development of PAT battery to be used as alternate forms for existing I-D Tests. The format, the instructions, and the norms are tailored for use in West Africa.
Date of Commencement	- 1970.
Expected Date of Completion	- 1971.
Source of Finance	- US Agency for International Development.
Method and Anticipated Date of Publication	- Research report, 1971.

C - Methods of Enquiry

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| 19. | Name of Institution | - Test Development and Research Office, West African Examinations Council, Lagos, Nigeria. |
| | Title of Project | - VALIDITY OF UNIVERSITY SERIES SELECTION TESTS IN NIGERIA |
| | Names of Persons and Designations | - <u>Dr. A.I. Fiks</u> , Acting Head, Research Department;
<u>U.H. Akpabio</u> , Research Fellow. |
| | Main Aim of Project | - To examine the usefulness of objective tests for university student selection. |
| | Description | - Investigation of concurrent validity of eight subtests (verbal, quantitative, and science) for two criteria (class of degree and rating by major professor); exploration of certain biographical factors. |
| | Date of Commencement | - 1970 . |
| | Expected Date of Completion | - 1971 . |
| | Source of Finance | - US Agency for International Development. |
| | Method and Anticipated Date of Publication | - Research note, 1971. |
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| 20. | Name of Institution | - Department and Institute of Education, University of Ibadan, Nigeria. |
| | Title of Project | - STUDENT PROBLEM INVENTORY (SPI) FORM S |
| | Name of Person and Designation | - <u>Dr. C.G.M. Bakare</u> , Lecturer in Educational Psychology. |
| | Description | - A large pool of test items concerning the personal problems of secondary school pupils are assembled and statistically screened. 120 problems from eleven major problem areas are then included in the final form of the SPI. A manual is provided to guide test users. |
| | Date of Commencement | - January, 1970 . |
| | Date of Completion | - February, 1971 . |
| | Source of Finance | - None . |
| | Method and date of Publication | - Published by the Department & Institute of Education, University of Ibadan. 1971. |
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| 21. | Name of Institution | - Department and Institute of Education, University of Ibadan, Nigeria. |

C - Methods of Enquiry

Title of Project	- STUDY HABITS INVENTORY (SHI) FORM S
Name of Person and Designation	- <u>Dr. C.G.M. Bakare</u> , Lecturer in Educational Psychology.
Main Aim of Project	- To construct and validate a study habits inventory for use in counselling African students.
Description	- Study habits which discriminate between high and low scholarship students are assembled into the final form of the SHI. A manual is provided for guiding test users.
Date of Commencement	- January, 1970.
Date of Completion	- February, 1971.
Source of Finance	- None.
Method and Date of Publication	- Published by the Department and Institute of Education, University of Ibadan. 1971.

22. Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- MOTIVATION FOR OCCUPATIONAL PREFERENCE SCALE (MOPS)
Name of Person and Designation	- <u>Dr. C.G.M. Bakare</u> , Lecturer in Educational Psychology.
Main Aim of Project	- To construct and validate a scale for identifying an individual's motivation for preferring or choosing a particular occupation.
Description	- Items in the following four areas: external influence; extrinsic reward; self-expression and people-orientation are included in the MOPS to identify an individual's motives or value-orientations with regard to choice or preference for an area of work.
Date of Commencement	- January, 1970.
Date of Completion	- February, 1971.
Source of Finance	- None.
Method and Date of Publication	- Published by the Department and Institute of Education, University of Ibadan. 1971.

23. Name of Institutions	- Njala University, Sierra Leone, and Test Development & Research Office of West African Examinations Council, Lagos.
Title of Project	- TESTING AND EVALUATION IN EDUCATION

C - Methods of Enquiry

Names of Persons and Designations	- <u>Dr. R.O. Ohuche</u> - Senior Lecturer, Njala University; <u>Dr. S.S.A. Akeju</u> - Principal Research Office, Test Development and Research Office.
Main Aim of Project	- To provide a textbook in testing and measurement for students in the various colleges, and for undergraduate education and psychology students.
Description	- A small and handy text consisting of seven chapters plus appendices.
Date of Commencement	- 1970.
Expected Date of Completion	- April, 1971.
Date of Publication	- 1971.
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24. Name of Institution	- Department of Adult Education, Ontario Institute for Studies in Education, Toronto, Canada.
Title of Project	- TESTING GENERAL ENGLISH PROFICIENCY AMONG ADULTS IN IN-SERVICE TRAINING SITUATIONS IN ACCRA, GHANA
Name of Person and Designation	- <u>L.O. Denys</u> - Doctoral Candidate at O.I.S.E., Toronto, Canada.
Main Aim of Project	- To assess the discriminatory power of the Alan Davies English Proficiency Test Battery (1964) in Accra in-service training situations where English is the second language.
Description	- In 1970, 143 Ghanaians making up the following eight groups; bank clerks, secretaries in training (two groups), military officer cadets, engineers, office managers, second year university linguistic students, and social welfare officers, were tested on the Davies Language Proficiency Battery. Secondly, training officers made subjective rank order assessments of the trainees' oral English proficiency and more objective rank order assessments of the trainees' written English proficiencies and general academic performances. Thirdly, by

C - Methods of Enquiry

means of a questionnaire, personal data were obtained on the trainees' language backgrounds, levels of formal schooling and working histories. By various statistical analyses, including rank and order correlations, analysis of variance and suitable multiple comparison techniques, the author hopes to assess the discriminatory power of the Davies Battery in Accra, (while pointing out the linguistic reservations about using the battery) as well as making comparisons to the results reported by other users of the battery such as Sen (NFER, 1970).

Date of Commencement	-	Early 1970.
Expected Date of Completion	-	Late 1971.
Source of Finance	-	At the time of testing, the author was engaged as an associate research fellow at the University of Ghana under the auspices of the Canadian International Development Agency.
Method and Anticipated Date of Publication	-	Journal articles and possibly a monograph, 1971.
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Name of Institution	-	Department of Adult Education, Ontario Institute for Studies in Education, Canada.
Title of Project	-	INTERNATIONAL CERTIFICATE IN ADULT EDUCATION: A FEASIBILITY STUDY See M 10
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25. Name of Institution	-	Institute of Education, University of Sind, Hyderabad, Pakistan.
Title of Project	-	THE CONSTRUCTION OF TESTS FOR SECONDARY SCHOOL PUPILS
Names of Persons	-	<u>Dr. Rashid;</u> <u>A. Shah;</u> <u>Mr. Misbahuddin.</u>
Main Aims of Project	-	1. The construction of an achievement test battery for secondary school pupils.

C - Methods of Enquiry

- Description
2. The development of a general ability test for secondary school pupils.
- The two projects will contribute to the promotion and popularization of the objectives of testing in Pakistan.
- The realization of aim No. 1 will enable teachers to make a comprehensive assessment of pupils' achievements in school subjects.
- The realization of aim No.2 will help in measuring the level of general intelligence of pupils at the high school level. The proposed test will be based on two factors, i.e. verbal reasoning and numerical ability. It is expected that this simple device will match with any general ability test based on many factors, such as memory, judgment, classification, etc.
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D - ADMINISTRATION AND ORGANISATION

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

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| 1. Name of Institution | - Centre of Advanced Study in Education,
Faculty of Education and Psychology,
M.S. University of Baroda, India. |
| Title of Project | - AN INVESTIGATION INTO
ORGANISATIONAL CLIMATE OF
SECONDARY SCHOOLS OF RAJASTHAN |
| Names of Persons and Designations | - <u>Dr. G.B. Shah</u> - CASE;
<u>Moti Lal Sharma</u> - Junior Research Fellow,
CASE. |
| Main Aims of Project | - a) To make a normative survey of
organisational climates prevailing in the
secondary schools of Rajasthan.
b) To study the relationship between
organisational climate and leader
behaviour, achievement, teacher
satisfaction, principal effectiveness,
school effectiveness and some other
variables such as faculty age, faculty
experience, etc. |
| Description | - During the past few years, educators have
learnt from their past experiences that the
traditional methods of educational
administration do not benefit them as much
as they should. Newer practices bearing
greater promise are, therefore, needed to
supplant the older ones. One of the points
of departure from these traditional
practices, which is based on Taylor's
scientific management and Weber's
bureaucratic organisation, is the concept of
Angaris which treats organisation as
personality. Derived from this concept is the
idea of the organisational climate.

Organisational climate, as defined by Halpin
and Croft, is the 'personality' of the school as
seen by the teachers and principal in an individual
school. As such, when we speak of
organisational climate in the present context,
we refer exclusively to the social
interaction between the principal and teachers:
to the "Social Component" of the organisational
climate.

One always encounters differences in the
organisational climates of schools. Do these
differences really exist? That is, are they
observable on an instrument devised to
measure organisational climates, or are |

D - Administration and Organisation

they exclusively subjective?
If the evidence really supports the hypothesis of differences, the question arises whether or not these differences are related to the leader behaviour? Are there really some climates which lead to better teaching and learning in some schools than in others? If so, what are the possible climate alternatives? Which of these alternatives are most valuable to administrators for improving the teaching and learning in schools? These questions have not been answered so far in our country. Keeping in mind the points raised in the preceding lines, it was decided to conduct an investigation into this domain of paramount importance and great social significance.

Date of Commencement	- September, 1970.
Expected Date of Completion	- September, 1972.
Source of Finance	- Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University of Baroda, India.
Method and Anticipated Date of Publication	- To be published by the Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University of Baroda, India.
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Name of Institution	- University of Nairobi, Nairobi, Kenya.
Title of Project	- AN ANALYSIS OF PER CAPITA COST OF PUPILS IN DIFFERENT CATEGORIES OF SECONDARY SCHOOLS IN KENYA IN 1971/72 See A 5
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Name of Institution	- Faculty of Education, University of Nairobi, Kenya.
Titel of Project	- A STUDY OF ENGLISH PUBLIC SCHOOL TRADITION IN THE FORMER GOVERNMENT EUROPEAN SECONDARY BOARDING SCHOOLS IN KENYA AND ITS INFLUENCE ON OTHER SECONDARY SCHOOLS See B 1
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D - Administration and Organisation

Name of Institution	- Department of History, Chancellor College, University of Malawi.
Title of Project	- THE CONTRIBUTION OF THE UNIVERSITIES MISSION TO CENTRAL AFRICA (U.M.C.A.) IN THE FIELD OF MALAWIAN EDUCATION See B 7
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Name of Institution	- Department of Education, University of Zambia.
Title of Project	- AN INQUIRY INTO STAFFING OF SECONDARY SCHOOLS IN ZAMBIA See A 7
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2. Name of Institution	- Makerere Institute of Social Research, Makerere University, Kampala, Uganda.
Title of Project	- A STUDY OF THE FACTORS AFFECTING PRIMARY SCHOOL QUALITY IN UGANDA
Name of Person and Designation	- <u>Dr. S.G. Weeks</u> - Senior Research Fellow.
Description	- Throughout Uganda, primary schools are extremely diverse, with some having excellent results in the primary leaving examination and others very poor results. In each district (18) in Uganda, at least three schools will be compared, one with very high results, one in the middle, and one with very poor results. This will give a sample of at least fifty-four schools with a few hundred teachers. Other outputs of the primary schools on which they might be judged, besides primary leaving examination results, are their retention rates, and what happens to their school leavers. Factors which might affect primary school quality are: abilities of the pupils, environmental conditions, home situations, resources, attitudes and motivations of the pupils, and certain attributes of the teachers and headmasters (job satisfaction, level and experience, aspirations, mobility patterns and expectations). A questionnaire will be administered to the primary seven pupils and to all teachers. The object is to obtain information on the above and their perceptions of the objectives of the schools, the obstacles to effective teacher performance, and evaluation of the relevance of their teacher training, how they perceive the need for change and innovation, the various influences on their attitudes and

D - Administration and Organisation

performances, and their backgrounds. Such an intensive study should have many implications for the development of primary schools and teacher training.

Name of Institution	- University of Lagos, College of Education, Lagos, Nigeria.
Title of Project	- THE PROBLEM OF LEISURE AMONG THE YORUBA See R 10

3. Name of Institution	- Faculty of Education, University of Ife, Nigeria.
Title of Project	- OBSTACLES TO INNOVATION IN THE NIGERIAN EDUCATIONAL SYSTEM
Name of Person and Designation	- <u>Dr. J. Ade Akinpelu</u> - Lecturer.
Main Aim of Project	- To discover why, in spite of the persistent call for reformation, there seems to be no significant change in our educational system.
Description	- This is a non-empirical study which makes use mostly of sociological and anthropological findings on the problems of modernisation in developing countries, as applied to education.
Date of Commencement	- February, 1971.
Expected Date of Completion	- Depends upon the availability of time, and the amount of materials to go through.
Source of Finance	- Partial grant from the University Research Fund.
Method and Anticipated Date of Publication	- As a journal article for a faculty seminar, sometime in 1972/3.

4. Name of Institution	- Department of Educational Foundations, Faculty of Education, University of Calgary, Canada.
Title of Project	- THE IMPACT OF LONG-TERM EDUCATIONAL ADVISORY EXPERTS ON THE DEVELOPMENT OF NEW NATIONS
Name of Person and Designation	- <u>Dr. Mathew Zachariah</u> - Associate Professor.
Main Aim of Project	- To identify constraints within which the experts work and to evaluate the significance of these constraints on the work of the experts.
Description	- The study is based on a review of literature and interviews conducted in Paris in May-June, 1970.

D - Administration and Organisation

Date of Commencement	- March, 1970.
Expected Date of Completion	- July, 1971.
Source of Finance	- The University of Calgary General Research Fund.
Method of Publication	- A paper describing the findings will be written.

5. Names of Institutions - Department of Education in Tropical Areas, Institute of Education, University of London, Britain; Commonwealth Secretariat, Marlborough House, London, Britain.

Title of Project - THE ROLES OF COMMISSIONS OF ENQUIRY AND SPECIAL REPORTS IN THE EFFECTIVE DEVELOPMENT OF EDUCATION IN SELECTED DEVELOPING COMMONWEALTH COUNTRIES

Name of Person and Designation - J.H. Eedle - Senior Education Officer, Commonwealth Secretariat.

Main Aim of Project - To assess the influences of commissions and reports on educational policy and practice in a number of developing Commonwealth countries, differing in background and stage of development, with special reference to Fiji, Malaysia, Singapore, Nigeria and Tanzania, and to indicate principles on which future commissions might best be organised and directed, and future reports compiled.

Date of Commencement - 1971.

Expected Date of Completion - 1974.

Method and Publication - Interim papers, and the final study, may be published by the Commonwealth Secretariat.

E - STUDENTS' BACKGROUNDS AND CHARACTERISTICS

Socio-economic factors; aptitudes; motivations;
personality factors; attitudes; opinions; values;
behaviour patterns; physical and mental health;
nutrition; child development.

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| 1. | 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 | - <u>Dr. Norman K. Henderson.</u> |
| | Description | - A psychological comparison of the sociability, social interest and outlooks of backward pupils in various types of school in eastern and western areas. |
| | Date of Commencement | - June, 1967. |
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| | Name of Institution | - Hong Kong Association for Mentally Handicapped Children & Young Persons, Hong Kong. |
| | Title of Project | - A STUDY OF ATTITUDES TOWARDS THE MODERATELY RETARDED CHILD IN A FAMILY

See N 1 |
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| | Name of Institution | - Centre for Educational Services, University of Penang, Penang, Malaysia. |
| | Title of Project | - EDUCATION AND NATIONAL DEVELOPMENT IN MALAYSIA

See A 3 |
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| 2. | Name of Institution | - Department of Postgraduate Studies and Research in Education, University of Mysore, India. |
| | Title of Project | - AN ENQUIRY INTO THE EMOTIONAL DEVELOPMENT OF CHILDREN IN THE AGE RANGE OF 5 TO 7 YEARS |

E - Students' Backgrounds and Characteristics

Name of Person and Designation	- <u>T. S. Kumaraswamy</u> , Research Fellow in Education. <u>Guide:</u> <u>Dr. R.P. Singh</u> , Professor and Head of the Department of Education.
Main aim of Project	- To find out the various factors involved in the emotional development of children in the age range of 5 to 7 years and to trace the needs of children which help the healthy growth of emotions at the crucial period of entrance into the schools.
Description	- More than ninety normal children (boys and girls) selected at random have been observed by parents, teachers and the investigator for a period of nearly a year. Observational record forms were used for this purpose. The parents and teachers were given orientation regarding observations and the entries to be made. Besides, a series of tests comprising intelligence, apperception, general anxiety and test-anxiety scales, doll-play situational tests, projective techniques and interviews were conducted individually. More than twenty-five thousand observations have been analysed so far.
Date of Commencement	- 13 September, 1968.
Expected Date of Completion	- 13 September, 1971.
Source of Finance	- University Grants Commission Scholarship.
Method and Anticipated Date of Publication	- To be published either with the help of the 'Prasaranga' University of Mysore or with the help of the University Grants Commission, New Delhi.

3. Name of Institution	- Child Development Research Unit, University of Nairobi, Kenya.
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E - Students' Backgrounds and Characteristics

Title of Project	- THE INFLUENCE OF CHILDREN'S ENVIRONMENTS ON THEIR ABILITIES TO PAY ATTENTION IN SCHOOL
Names of Persons and Designations	- <u>Richard D. Logan</u> , Lecturer; <u>Beatrice B. Whiting</u> , Associate Director; <u>Jane Getena</u> , Research Assistant; <u>Monica Wamai</u> , Research Assistant.
Main Aim of Project	- To determine whether the population density of a child's near-home environment bears any relation to his distractibility in the classroom.
Description	- Two judges, who do not know the backgrounds of the children in question, will observe children in a classroom situation and will rate them independently on a number of measures of attention to task and to teacher. It is hypothesized that children from more crowded settings will be more distractible and less able to pay attention than children from less crowded settings.
Date of Commencement	- May, 1971.
Expected Date of Completion	- July, 1971.
Source of Finance	- Carnegie Foundation.
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4. Name of Institution	- Child Development Research Unit, University of Nairobi, Kenya.
Title of Project	- SOME MEASURES OF COGNITIVE DEVELOPMENT IN PERI-URBAN KENYAN CHILDREN
Names of Persons and Designations	- <u>Richard D. Logan</u> , Lecturer; <u>Lydia Gaitirira</u> , Research Assistant; <u>Jane Getena</u> , Research Assistant; <u>Ruth Kagia</u> , Research Assistant.
Main Aim of Project	- To determine whether the level of cognitive development in children is related to the extent to which the setting they grow up in is "traditional" as opposed to more "modernized".

E - Students' Backgrounds and Characteristics

Description	- Using Kohlberg Moral Judgement Stories and Piaget Dream Interview, measures of the degree of differentiatedness of children's thinking will be obtained for children living in settings that vary along a dimension of "traditionalism - modernism".
Date of Commencement	- March, 1971.
Expected Date of Completion	- September, 1971.
Source of Finance	- Carnegie Foundation.
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5. Name of Institution	- Child Development Research Unit, University of Nairobi, Nairobi, Kenya.
Title of Project	- THE RELATIONSHIP BETWEEN CHILD-REARING PRACTICES AND HIGH-ACHIEVEMENT IN CHILDREN FROM VARIOUS KENYAN COMMUNITIES
Name of Person and Designation	- <u>Richard D. Logan</u> , Lecturer.
Main Aim of Project	- To ascertain whether Kenyan children who are highly successful in school have been reared in ways significantly different from other less successful children.
Description	- This study will use interviews with mothers in order to obtain information on their child-rearing practices, attitudes, and beliefs. Information on children's degrees of school success will consist of KPE results and rank in class. A subsidiary study will be conducted in which university students will be interviewed as to their parents' child-rearing practices, and the results will be compared with a matched sample of non-university young people in order to determine whether there are significant differences.
Date of Commencement	- June, 1971.
Expected Date of Completion	- June, 1972.
Source of Finance	- Carnegie Foundation.
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E - Students' Backgrounds and Characteristics

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| 6. | Name of Institution | - Child Development Research Unit,
University of Nairobi, Kenya. |
| | Title of Project | - WHO GOES TO SCHOOL: ABILITY
OR BIRTH? |
| | Names of Persons and
Designations | - <u>Sarah Seeley</u> , Research Fellow;
<u>Ruth Munroe</u> , Research Associate. |
| | Main Aim of Project | - To determine to what extent family
size, sex, birth order, parental
occupation and parental education
influence a child's chances of going
to school in Kenya. |
| | Description | - Using data from the CDRU Basic Data
Files (which include demographic,
family history and various other
background information), this study will
examine the relationship of the above
factors to school-going in a cross-
section of Kenyan communities. |
| | Date of Commencement | - March, 1971. |
| | Expected Date of
Completion | - June, 1971. |
| | Source of Finance | - Carnegie Foundation. |
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| 7. | Name of Institution | - Child Development Research Unit,
University of Nairobi, Nairobi, Kenya. |
| | Title of Project | - AN ETHNOGRAPHY OF CHILD-
REARING IN VARIOUS AREAS OF
KENYA |
| | Name of Person and
Designation | - <u>Beatrice B. Whiting</u> , Associate
Director; (together with members of
the C.D.R.U. staff). |
| | Main Aim of Project | - To provide some descriptive data on the
current child-rearing practices of
mothers in Kenya, and to determine the
extent to which these practices differ
in different cultural settings. It is
hoped that this information will be of
use to educationists, social workers,
and to relevant government ministries. |

E - Students' Backgrounds and Characteristics

8. Name of Institution - Department of Educational Psychology, Makerere University, Kampala, Uganda.
- Title of Project - A STUDY OF DISCIPLINARY ATTITUDES OF BOARDING AND DAY STUDENTS IN SOME UGANDAN SECONDARY SCHOOLS
- Name of Person and Designation - J.W. Anderson, Teaching Assistant, Department of Educational Psychology, Makerere University (under Study and Serve Scheme).
- Description - This study aims at comparison of the attitudes of boarding and day students attending the same schools. It involves four attitude variables: attitudes to teachers' leadership in the learning process, to teacher control in the form of sanctions, to independent work, and to school in general.
- Date of Completion - July, 1971.
- Source of Finance - Study and Serve Scheme.
- Method and Anticipated Date of Publication. - Main Library, Makerere University, Kampala.
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9. Name of Institution - Department of Educational Psychology, Makerere University, Kampala, Uganda.
- Title of Project - EDUCATION FOR SOCIAL RELATIONS AND ETHNIC COHESION
- Name of Person and Designation - M.O.A. Durojaiye, Senior Lecturer.
- Main Aim of Project - To survey the factors in race relations in East African schools.
- Description - Sociometric test in Uganda schools. Analysis of within-school and after-school activities of pupils, experimental task for social relations and ethnic cohesion. Recommendations, and application to Asian - African relations in East Africa.
- Date of Commencement - July, 1971.
- Expected Date of Completion - July, 1974.

E - Students' Backgrounds and Characteristics

Source of Finance	- Application to O.D.A..
Method and Anticipated Date of Publication	- As a book, October, 1974.
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10. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- PARENT-CHILD RELATIONSHIPS, AND THEIR IMPLICATIONS FOR NATIONAL DEVELOPMENT
Name of Person and Designation	- <u>M.O.A. Durojaiye</u> , Senior Lecturer.
Main Aim of Project	- To investigate the current child-rearing practices in Uganda.
Description	- Investigation of cultural factors in child-rearing, psychological implications, child- adult interaction process analysis. Training of adults for this will be suggested.
Date of Commencement	- October, 1970.
Expected Date of Completion	- December, 1971.
Source of Finance	- Personal.
Method and Anticipated Date of Publication	- As a monograph, March, 1972.
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11. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- NON-COGNITIVE FACTORS IN SCHOOL LEARNING OF UGANDAN SECONDARY SCHOOL PUPILS
Name of Person and Designation	- <u>M.O.A. Durojaiye</u> , Senior Lecturer.
Main Aim of Project	- To investigate the role of factors other than intelligence in the academic performance of Ugandan secondary school pupils.
Description	- Pupils in secondary schools in various parts of Uganda will be tested for general ability, scholastic

E - Students' Backgrounds and Characteristics

aptitude, achievement and personality. Questionnaires and interviews will be administered for the purpose of identifying other factors that may be related to pupils' performances at school. Data will also be collected on their academic performances at school. Scores on results of various tests, interviews and questionnaires will then be correlated with academic performances.

- Date of Commencement - January, 1970.
- Expected Date of Completion - December, 1971.
- Source of Finance - Makerere Research Grant Committee.
- Method and Anticipated Date of Publication - As a paper, February, 1972.

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12. Name of Institution - Department of Educational Psychology, Makerere University, Kampala, Uganda.
- Title of Project - THREE STUDIES IN SCHOOL DISCIPLINE
- Name of Person and Designation - Hamed El-Abd, Professor of Educational Psychology and Head of Department.
- Description - In the first study, opinions of secondary school and teacher training college students on school strikes and discipline were analysed. The teacher training college students were found to be more involved in strikes and more militant in terms of favouring meeting student demands as a solution to strikes. They were also more concerned with what they found to be arbitrary rules hampering their personal freedom and with poor personal and recreational facilities at the colleges. The secondary school students, on the other hand, were more conciliatory, favouring discussion of student demands, and were concerned with educational as well as personal facilities.

E - Students' Backgrounds and Characteristics

		In the second study a scale measuring attitudes of teachers towards disciplinary problems was constructed. It consisted of two forms of forty statements each, relating to both work problems and self-disciplinary problems. The third part of the investigation was a factorial analysis of the data obtained from the application of the discipline scale. Four Varimax factors emerged.
Date of Commencement	-	November, 1965.
Date of Completion	-	May, 1971.
Source of Finance	-	Department of Educational Psychology and Institute of Education, Makerere University.
Method and Date of Publication	-	In journals and departmental monographs, 1971.
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13.	Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
	Title of Project	- THE APPLICATION OF CATTELL'S 16 P.F. QUESTIONNAIRE TO EAST AFRICAN STUDENTS
	Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology and Head of Department.
	Description	- The investigation of the personality of East African students was completed using the I.P.A.T. Sixteen Personality Factor Questionnaire Form C developed by R.B. Cattell. Factor analysis of the data was carried out. Each of Cattell's factors, with the exception of two, was found to have a high loading on one of the eight Varimax factors emerging from the data: A, F, and H on factor I, extraversion; M on II, eccentricity; G and N on III, conscientiousness vs. sophistication; I and IV, sensitivity; O and Q on V, anxious insecurity vs. radicalism; B on VI, intelligence; C and E on VII, maturity vs. dominance; Q ₁ , Q ₂ on VIII, tension vs. self-sufficiency.

E - Students' Backgrounds and Characteristics

Date of Commencement	- November, 1965.
Date of Completion	- April, 1971.
Source of Finance	- Department of Educational Psychology and Institute of Education, Makerere University.
Method of Publication	- In journals and departmental monographs.
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14. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE APPLICATION OF CATTELL'S SIXTEEN PERSONALITY FACTOR QUESTIONNAIRE (FORM C) TO EAST AFRICAN UNIVERSITY UNDERGRADUATES AND ADULT CORRESPONDENCE COURSE STUDENTS
Name of Person and Designation	- <u>S.N. Kajubi</u> , Assistant Registrar, Faculty of Arts, Makerere University, Kampala.
Description	- An investigation of the personality of East African students using the I.P.A.T. Sixteen Personality Factor Questionnaire Form C, developed by R.B. Cattell. The factor patterns of a sample of first year Bachelor of Science undergraduates at Makerere University is to be compared with that of a large sample of adult correspondence course students.
Expected Date of Completion	- To be completed in 1971.
Source of Finance	- Private.
Method and Anticipated Date of Publication.	- Main Library, Makerere University, Kampala, 1971.
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15. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- PATTERNS OF DEVELOPMENT OF RELIGIOUS THINKING IN CHILDREN AND IMPLICATIONS FOR CURRICULUM DEVELOPMENT

E - Students' Backgrounds and Characteristics

Name of Person and Designation	- <u>P.G. English</u> , Lecturer.
Main Aim of Project	- To investigate the development of religious thinking in children from P6 - S4.
Description	- Establish the pattern of development of the religious thinking of children in Ugandan schools in the age range of P.6 to S.2, and the significance to this development, of environmental and cultural factors; Examine the effects of the P.7 - S.1 transition on the development of this thinking; Examine the possible implications of these effects for syllabus and method development in the range of P.6 to S.2; Consider, finally, extending this study to (a) S.3 and S.4 (b) lower forms of the primary school.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1972.
Source of Finance	- Makerere Research Grant Committee.
Method and Anticipated Date of Publication	- As a monograph in 1973.
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Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATION FOR RURAL DEVELOPMENT - See R 8
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16. Name of Institution	- Human Development Research Institute, University of Zambia, Lusaka.
Title of Project	- CLASSIFICATORY BEHAVIOUR AMONG SOME PRE-SCHOOL ZAMBIANS
Name of Person	- <u>Ogbolu M. Okonji</u> .

E - Students' Backgrounds and Characteristics

Main Aim of Project	- The aim of the project is to find out the developmental pattern of logical behaviour among children aged 2½ to 6 from different socio-economic backgrounds in Lusaka, and to examine the effect of training on the classificatory behaviour of some of these children who will be selected and matched on various criteria, including performance in a pre-test sorting task.
Date of Commencement	- February, 1971.
Expected Date of Completion	- End of 1971.
Method and Anticipated Date of Publication	- The final result of the study will be published as a University of Zambia, H.D.R.I. report, early in 1972.
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Name of Institution	- Science Education Centre, School of Education, University of Zambia.
Title of Project	- PRIMARY SCIENCE CURRICULUM STUDY - See H 14
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17. Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- VISUAL MEMORY IN NIGERIAN CHILDREN
Name of Person and Designation	- <u>Dr. C.G.M. Bakare</u> , Lecturer in Educational Psychology.
Main Aim of Project	- To study the immediate memory of Nigerian children of various ages for certain types of visually-presented stimuli.
Description	- Six types of stimuli: objects, pictures, letters, numbers, 'codeable' and 'uncodeable' geometric figures are presented briefly to Nigerian children ranging in age from 4 to 11 years and from upper class urban, through lower class urban, to rural backgrounds. Their short-term memories for these stimuli are then compared across ages, sexes and backgrounds. Implications of the findings in the educational and clinical settings will be explored. Norms will be provided for a visual memory test.

E - Students' Backgrounds and Characteristics

Date of Commencement - September, 1969.

Expected Date of Completion - January, 1972.

Source of Finance - None yet.

Method of Publication - Monograph.

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18. Name of Institution - Department and Institute of Education, University of Ibadan, Nigeria.
- Title of Project - THE DEVELOPMENT OF LATERALITY AND RIGHT-LEFT DISCRIMINATION IN NIGERIAN CHILDREN
- Name of Person and Designation - Dr. C.G.M. Bakare, Lecturer in Educational Psychology.
- Main Aim of Project - To study how laterality and right-left discrimination develops in Nigerian children.
- Description - Tests of laterality and right-left discrimination are administered to a sample of Nigerian children ranging in age from 4 to 11 years and coming from upper class, lower class and rural backgrounds.
- Date of Commencement - November, 1969.
- Expected Date of Completion - November, 1971.
- Source of Finance - None.
- Method and Anticipated Date of Publication - Monograph in late 1971.

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19. Name of Institution - Faculty of Education, University of Ife, Nigeria.
- Title of Project - A STUDY OF THE CONCEPTS OF NUMBER AND SHAPE AMONG SIX YEAR-OLDS IN SELECTED PRIMARY SCHOOLS IN THE WESTERN STATE OF NIGERIA
- Name of Person and Designation - Mrs. B.O. Osibodu, Lecturer in Education (Mathematics).

E - Students' Backgrounds and Characteristics

- Main Aim of Project - To find out if the Yoruba - speaking pre-schoolers of the Western State have any concept of number and shape before they come to school and, if they have, the level of competency of the concept with which they come.
Findings from the study should provide data for curriculum work in the kind of mathematics programme adequate and relevant for our schools at the primary level; and should lead to a re-appraisal of teaching methods in mathematics at this level.
- Description - This is an investigation into the concepts of number and shape that Nigerian six-year-olds bring with them to school from home in the first three months of formal schooling.

The study will look into the quality and quantity of concept formation of these children, using diverse verbal and non-verbal instruments constructed for the purpose, e.g. questionnaires administered in the form of interviews, playing with paper and wooden blocks, counting and grouping seeds, and making shapes.

The study will be carried out in carefully selected, randomised, stratified population areas of Western Nigeria to include children of different social classes and backgrounds from urban and non-urban areas.

The approaches will be through:
(a) developing a conceptual framework as a guide-line for the study;
(b) construction and validation of research instruments relating to concepts of number and shape among six-year olds;
(c) administration of research instruments to approximately 1,000 subjects;
(d) collation and analysis of raw data; and
(e) publication of research findings.
- Date of Commencement - March, 1971.
- Expected Date of Completion - March, 1972.

E - Students' Backgrounds and Characteristics

Source of Finance	- University of Ife.
Method and Anticipated Date of Publication	- Publication of research findings about mid-1972.
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Name of Institution	- Institute of Education, University of Ife, Nigeria.
Title of Project	- THE SIX YEAR PRIMARY PROJECT - See H 18
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Name of Institution	- Faculty of Education, University of Ife, Nigeria.
Title of Project	- A STUDY OF SCIENTIFIC CONCEPTS OF SELECTED NON-LITERATE ADULTS OF THE WESTERN STATE OF NIGERIA - See M 7
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20. Name of Institution	- Department of Education, University of the West Indies, Jamaica.
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> , Senior Lecturer in Education.
Main Aim of Project	- The research aims to examine the interaction of Jamaica Creole and Standard English in the causal and formal speech of pre-primary and primary school children, the purposes, modalities and content of the language behaviour of such children and the relationships between these factors and social class.
Date of Completion	- A study of groups aged 6½ - 7½ years, talking in peer groups, was completed in April, 1971. A study of creole-speaking children's responses to and comprehension of Standard English speech is in progress and should be completed by June, 1972.

E - Students' Backgrounds and Characteristics

Source of Finance	- This project is financed partly by a research grant from the University of the West Indies Institute of Education.
Method and Date of Publication	- Mimeographed. Department of Education, University of the West Indies, Jamaica. April, 1971.
Name of Institution	- The Institute of Education, University of the West Indies, Trinidad.
Title of Project	- A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP) See H 21
Name of Institution	- Department of Educational Foundations, Faculty of Education, University of Calgary, Canada.
Title of Project	- CANADA'S ROLE, SINCE 1945, IN THE DEVELOPMENT OF EDUCATION IN NON-WESTERN NATIONS See A 14
Names of Institutions	- Department of Education in Tropical Areas, Institute of Education, University of London, Britain; Commonwealth Secretariat, Marlborough House, London, Britain.
Title of Project	- A STUDY OF SPECIAL EDUCATION IN THE LOW-INCOME COUNTRIES OF THE COMMONWEALTH See N 2
Name of Institution	- Institute of Education, University of Sind, Hyderabad, Pakistan.
Title of Project	- THE CONSTRUCTION OF TESTS FOR SECONDARY SCHOOL PUPILS See C 25

F - TEACHING AND LEARNING SITUATIONS

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

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| 1. | Name of Institution | - Faculty of Education, Monash University, Victoria, Australia. |
| | Title of Project | - PROJECT SWNG (SCIENTIFIC WORDS - NEW GUINEA) |
| | Name of Person and Designation | - <u>Paul L. Gardner</u> , Lecturer in Education. |
| | Main aim of Project | - To determine the difficulties of non-technical words used frequently in teaching science to Grade 9 and 10 high school pupils in the Territory of Papua and New Guinea. |
| | Description | - Six hundred words regarded by a panel of T.P.N.G. science teachers as non-technical, frequently used, and essential or valuable in learning one or more topics of a science curriculum, have been identified. Fifteen tests, each containing 40 multiple choice items, have been constructed, tried out, revised, and administered in final form in April-May 1971 to a random sample of T.P.N.G. Grade 9 and 10 high school students. Each student responded to two different tests. Analysis of the data is currently proceeding. |
| | Date of Commencement | - 1968. |
| | Expected Date of Completion | - December, 1971. |
| | Source of Finance | - Department of Education, T.P.N.G.. |
| | Method and Anticipated Date of Publication | - A report of the project will be prepared and will be available in early 1972. |
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| 2. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - THE CONCEPTUAL AND COGNITIVE ASPECTS OF SCIENCE TEACHING AND LEARNING FOR STUDENTS FROM NON-WESTERN CULTURAL BACK- GROUND S |
| | Name of Person and Designation | - <u>Francis E. Dart</u> , Visiting Professor of Physics. |

F - Teaching and Learning Situations

Description	<p>- To continue research into the cultural and conceptual factors that affect learning of science by pupils whose home environment is non-western and non-scientific in its basic viewpoint and content. An initial study, carried out in Nepal, indicates important differences between such pupils and those for whom most science courses and text books are designed, including significant differences in:</p> <ol style="list-style-type: none">(1) the types of explanations of natural phenomena that are accepted as real;(2) the criteria of validity that are accepted in judging the truth of propositions concerning natural phenomena;(3) the skills and practice of abstract representation of physical concepts;(4) the ability to generalize concepts. <p>This study will be carried further among school age and adult subjects in the Territory of Papua and New Guinea and in Western Australia, comparing urban and rural subjects and subjects from two or three different ethnic groups. It is intended that this work will lead to development of improved methods for teaching science to students from cultural groups whose intellectual environment differs from the western middle and upper class majority for whom present text books and curricula are prepared.</p>
Date of Commencement	- April, 1971.
Expected Date of Completion	- October, 1971.
Sources of Finance	- Australian American Education Foundation and University of Papua and New Guinea.
Publication	- To be arranged.
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3. Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE DEVELOPMENT OF PRE-SCHOOL TEACHING AND LEARNING MATERIALS

F - Teaching and Learning Situations

Name of Person and Designation	- <u>Mrs. D. Isoardi</u> , Graduate Assistant.
Main Aim of Project	- To develop and test materials for use by pre-school teachers-in-training with indigenous children.
Description	- Flannel-graph drawings are being designed for the use of the children, based on systematic observations of pre-school children's language use and how pre-school trainees work with these children. The drawings are to be accompanied by plywood silhouettes also for use by children, and then teachers in story telling activities. Other materials will be prepared as the project continues, for example, jigsaw puzzles. A handbook of activities will accompany the materials.
Date of Commencement	- June, 1970.
Expected Date of Completion	- March, 1971 (prototype), continuing project for the Department of Public Health.
Source of Finance	- Department of Public Health.
Method of Publication	- Department of Public Health, Konedobu.
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4. Name of Institution	- University of Papua and New Guinea.
Title of Project	- INTONATION AND STRESS PATTERNS OF ENGLISH AS A COMMUNICATION PROBLEM FOR STUDENTS USING ENGLISH AS A SECOND LANGUAGE MEDIUM OF INSTRUCTION
Name of Person and Designation	- <u>R.K. Johnson</u> , Lecturer in Education.
Main Aim of Project	- To establish test procedures for determining the ability of under-graduates and 1st Form and 4th Form secondary students, for whom English is a second language, to interpret the semantic clues of English stress and intonation patterns.
Description	- A pilot project is to be carried out locally to establish test procedures for determining the ability of under-graduates and 1st Form and 4th Form secondary students, for whom English is a second language, to interpret the semantic clues of English

F - Teaching and Learning Situations

stress and intonation patterns; their responses being related to those of native speakers of English.

Date of Commencement - February, 1971.

Date of Completion - February, 1971.

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5. Name of Institution - University of Papua and New Guinea.
- Title of Project - DESIGN, CREATION AND TESTING OF EDUCATIONAL MATERIALS FOR A NON-GRADED, MULTI-RACIAL PRIMARY SCHOOL
- Name of Person and Designation - Mrs. Sally R. Milner, Graduate Assistant.
- Main Aim of Project - To design, create and test materials in Social Studies for the Waigani School.
- Description - The development and testing of a sequential series of materials in social studies which can be used in non-grade, multi-racial classrooms, to be based on themes and concepts introduced into early series and designed to re-occur in later series. An observation schedule has been designed to record the features of the use of materials by pupils.
- Date of Commencement - May, 1970.
- Expected Date of Completion - Standards V and VI, by February, 1972; a continuing project.
- Source of Finance - Educational Materials Centre.

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6. Name of Institution - University of Papua and New Guinea.
- Title of Project - A RECORD OF A WEEK IN THE ACADEMIC LIFE OF A PRELIMINARY YEAR STUDENT I, II, III AND IV
- Name of Person and Designation - Dr. G.A. Trevaskis, Senior Lecturer in Education.

F - Teaching and Learning Situations

Main Aim of Project	- To record the main features of the academic work of students and groups selected for the study.
Description	- The classes, lectures and tutorials of the selected students and groups are observed and tapes made where appropriate. The main features studied are: content; student preparation; materials used by tutors and students; tutor-class interaction; assignments set. A four-part research project.
Date of Commencement	- September, 1970.
Date of Completion	- November, 1971 (Parts I and II completed).
Source of Finance	- Educational Materials Centre; Research Grant, University of Papua and New Guinea.
Method of Publication	- A report, to be submitted to the Preliminary Year Studies Committee.
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7. Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE DEVELOPMENT OF INSTRUMENTS FOR USE DURING TEACHING PRACTICE
Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> , Senior Lecturer in Education.
Main Aim of Project	- To design a set of instruments to be used by university, teacher training college and school staffs and students-in-training during teaching practice.
Description	- Three forms have been designed, all interrelated: <u>Form A</u> - lesson preparation form; <u>Form B</u> - self- assessment form, and <u>Form C</u> - lesson profile form. Form C makes use of a category system which classifies student and teacher behaviour observed in specified time segments throughout a lesson. A training manual has been prepared, and accompanying training material and workbooks have been designed: Project in final stages of trials.
Date of Commencement	- December, 1969.

F - Teaching and Learning Situations

Expected Date of Completion	- December, 1971.
Method of Publication	- Trial materials are available from the Educational Materials Centre, University of Papua and New Guinea, P.O. Box 1144, Boroko, Papua and New Guinea.
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8. Name of Institution	- University of Papua and New Guinea.
Title of Project	- SURVEY OF SCHOOL BROADCASTS
Name of Person and Designation	- <u>Dr. G.A. Trevaskis</u> , Senior Lecturer in Education.
Main Aim of Project	- To determine what school broadcasts were followed by primary teachers in 1970 and 1971.
Description	- A sample of 303 schools was selected, representing schools ranging from those with one teacher to those with six or more teachers. A questionnaire was prepared for distribution to schools in the sample.
Date of Commencement	- April, 1971.
Date of Completion	- August, 1971.
Source of Finance	- Department of Education, Konedobu; Educational materials Centre, University of Papua and New Guinea.
Method of Publication	- Report to Papua and New Guinea Advisory Committee on School Broadcasts.
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9. Name of Institution.	- University of Papua and New Guinea.
Title of Project	- UNIVERSITY EXTENSION LECTURE SERIES
Names of persons and Designations	- <u>Dr. G.A. Trevaskis</u> - Senior Lecturer in Education; <u>Mrs. M. Donohue</u> - Graduate Assistant.
Main Aim of Project	- To assess the role of the first of the extension lecture series offered by the University of Papua and New Guinea.
Description	- Analysis of questionnaires completed by the audience at each of the lectures, together

F - Teaching and Learning Situations

		with a study of the topic of the lectures themselves.
Date of Commencement	-	March, 1971.
Date of Completion	-	May, 1971.
Source of Finance	-	Educational Materials Centre.
Method of Publication	-	Report to the Vice-Chancellor, University of Papua and New Guinea.
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10.	Name of Institution	- University of Papua and New Guinea.
	Title of Project	- SECONDARY SOCIAL SCIENCES PROJECT
	Names of Persons and Designations	- <u>Dr. G.A. Trevaskis</u> , Senior Lecturer in Education; <u>Mrs. M. Roe</u> , Supervisor, Educational Materials Centre; <u>Mrs. Sally R. Milner</u> , Graduate Assistant; <u>Miss N. Ridgeway</u> , Graduate Assistant; <u>Mr. Renagi Lohia</u> , Graduate Assistant; <u>Consultants</u> - University of Papua and New Guinea.
	Description	- To date, materials and teachers' guides have been prepared for the topics to be studied in the first year of the course of study. The topics for the second year are nearing completion.
	Date of Commencement	- February, 1969.
	Expected Date of Completion	- Continuous project till 1975.
	Source of Finance	- Department of Education, Konedobu, University of Papua and New Guinea.
	Method of Publication	- Department of Education, Konedobu, University of Papua and New Guinea.
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11.	Name of Institution	- University of Papua and New Guinea,
	Title of Project	- DESCRIBING MATERIALS USED IN TEACHING AND LEARNING
	Names of Persons and Designations	- <u>Dr. G.A. Trevaskis</u> , Senior Lecturer in Education; <u>Mrs. M. Roe</u> , Supervisor, Educational Materials Centre;

F - Teaching and Learning Situations

		<u>P. Hayward</u> , Lecturer in Education and Mathematics (Mathematics); <u>J.M. Wilson</u> , Lecturer in Science Education; <u>Mr. D. Isoardi</u> , Graduate Assistant (English).
Main Aim of Project	-	To develop instruments to describe teaching and learning materials in science, social science and mathematics.
Description	-	The preparation of question guides for each subject area, to describe: books; films and film loops; slides and filmstrips; tapes and discs; school broadcasts; multi-media kits; overhead transparencies, charts, maps. An accompanying training manual has also been prepared.
Date of Commencement	-	October, 1968.
Expected Dates of Completion	-	Science, March, 1970. Social Science, October, 1970. English, August, 1971. Mathematics, October, 1971.
Source of Finance	-	Educational Materials Centre.
Method of Publication	-	Educational Materials Centre.
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12.	Name of Institution	- University of Papua and New Guinea.
	Title of Project	- EVALUATION OF THE T.P.P.S. PRIMARY SCIENCE PROGRAMME
	Names of Persons and Designations	- <u>J.M. Wilson</u> , Lecturer in Science Education; <u>Mrs. A. Wilson</u> , Graduate Assistant; <u>Dr. G.A. Trevaskis</u> , Senior Lecturer in Education.
	Main Aim of Project	- To evaluate the use of the teacher's hand-book and UNICEF science equipment associated with the T.P.P.S. programme.
	Description	- Lesson observation schedules have been designed and are being used by headmasters in expansion schools to assess what happens in classrooms following Phase I of the T.P.P.S. programme. The first part of the project is concerned with Phase I.

F - Teaching and Learning Situations

Date of Commencement	- July, 1970.
Expected Dates of Completion	- Phase I, July, 1971. Phase II, September, 1971. Phase III, December, 1971.
Source of Finance	- UNESCO.
Method of Publication	- A report to UNESCO on completion of the first part of the project.
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- EXTENSIVE READING LIST FOR HIGH SCHOOLS - See I 1
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- ASSESSMENT OF TEACHING AND LEARNING MATERIALS - See I 2
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13. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- CLASSROOM INVESTIGATIONS INTO THE ADAPTATION OF ELEMENTARY HUMAN BIOLOGY TOPICS TO MODERN ENQUIRY TECHNIQUES
Name of Person	- <u>Brian S. Beckett.</u>
Main Aim of Project	- To see how far modern instructional procedures can be adapted to teaching elementary human biology to 10-11 year-old pupils where laboratory facilities are limited, and evaluation of results by means of standardised tests, intelligence and psychological tests.
Description	- Critical analysis of modern enquiry techniques and selection of those suitable for the project. Classroom investigations over a period of two years.
Date of Commencement	- December, 1969.

F - Teaching and Learning Situations

Expected Date of Completion	- December, 1971.
Source of Finance	- Private sources.
Method and Anticipated Date of Publication	- Thesis. 1972.
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14. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- TEACHING OF ECONOMICS AND PUBLIC AFFAIRS IN HONG KONG SCHOOLS
Name of Person	- <u>P.D. Reynolds.</u>
Description	- Work in this area is directed at improving the quality of teaching economics and public affairs (civics) in secondary and pre-university classes in Hong Kong schools. Investigation is being carried out into the relevant literature available in Hong Kong. An attempt is being made to give the teaching of the subject a conceptual rather than a factual approach. Ausubel's concept of "pre-organisers" is involved. Study of the subject to date has resulted in a series of 8 television presentations embodying these ideas, due to be screened in July, 1971. An accompanying booklet is due to be published beforehand. A book on the subject, mainly directed at teachers, written in conjunction with Mr. A.E. Sweeting, is due for publication before Christmas, 1971.
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15. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- RESEARCH INTO THE TEACHING OF ENGLISH IN HONG KONG SCHOOLS
Name of Person	- <u>P.D. Reynolds.</u>
Description	- Apart from preliminary studies, work on this topic is not due to commence till the beginning of September, 1971. It should take the form of a listing of characteristic learning difficulties of Cantonese-speaking students in Hong Kong in the English language area. After the patterns of difficulty have been established, the

F - Teaching and Learning Situations

project will attempt to analyse causes. It is suspected that one of the main causes is cultural. Suitability of reading material and class content may also prove significant.

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| 16. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - THE IMPROVEMENT OF PHYSICS EDUCATION WITH PARTICULAR EMPHASIS ON THE USE OF SIMPLE EQUIPMENT AND THE DEVELOPMENT OF EXAMINATIONS THAT STIMULATE A PRACTICAL METHOD OF TEACHING THROUGH GUIDED DISCOVERY |
| | Name of Person | - <u>Dr. R.F. Simpson.</u> |
| | Description | - This project is a continuing one in which local materials are tested for simple physics experiments. Because of the low cost of the equipment, it is hoped that a more practical approach may become feasible for local teachers. If it proves possible to attract substantial funds from a philanthropic organisation, the mass production of science equipment for developing countries might prove possible in Hong Kong. Prototypes are being produced with this aim in view. |
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| 17. | 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 | - <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 courses, methods and problems in teaching history in the secondary schools of Hong Kong. |

F - Teaching and Learning Situations

Date of Commencement - November, 1969.

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18. Name of Institution - Department of Education, University of Hong Kong.
- Title of Project - THE CONTINUOUS ASSESSMENT OF THE PRACTICAL SKILLS OF SIXTH FORMERS IN THE FIELD OF CHEMISTRY AND BIOLOGY
- Name of Person - A. Tam.
- Description - This research might well be restricted to chemistry in the first instance, though similar principles and approaches are also applicable to biology. The purpose of the research is to break with the traditional type of practical done by sixth formers, viz, qualitative analysis and volumetric analysis which, though easily examinable, cannot fulfil the aims of practical work at this level. Consequently, continuous assessment of the students by their teachers is thought to be preferable, as it will allow the teachers more scope to design practical work which will integrate with the theoretical work. Furthermore, the teachers' evaluations throughout the two years may turn out to be more reliable than a 3-hour practical examination. The university will set the standard for assessment and will act as moderator.
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19. 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 - Harriette Yapp.
- Description - A detailed analysis of the phonological, grammatical and lexical difficulties encountered by large numbers, of Chinese pupils whose native language is Cantonese, with special reference to the learning and teaching aspects.

F - Teaching and Learning Situations

Date of Commencement - December, 1966.

20. 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 - Harriette Yapp.
- 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.
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21. Name of Institution - Centre of Advanced Study in Education, Faculty of Education and Psychology, M. S. University of Baroda, India.
- Title of Project - CLASSROOM INTERACTION ANALYSIS AND TEACHER BEHAVIOUR
- Names of Persons and Designations - Dr. M.B. Buch, Head, Centre of Advanced Study in Education;
M.R. Santhanam, Senior Research Fellow, CASE;
Z.M. Qurashi, Senior Research Fellow, CASE;
Miss T.P. Lulla, Senior Research Fellow, CASE.
- Main Aim of Project - To study and analyse classroom verbal behaviour patterns, with reference to teachers' bio-factors, personality and attitude factors and pupil achievement.
- Description - The project has been divided into three segments viz.
(1) study of teacher verbal behaviour in relation to sex, age, experience, recency of training, marital status of the teacher and composition of the class.
(2) study of teacher verbal behaviour in relation to teacher's personality and attitudes towards various groups contacted in the school.
(3) study of teachers' verbal behaviour in relation to pupils' achievements.

F - Teaching and Learning Situations

Date of Commencement	-	October, 1969.
Expected Date of Completion	-	October, 1971.
Source of Finance	-	Centre of Advanced Study in Education, Faculty of Education and Psychology, M. S. University, Baroda.
Method and Anticipated Date of Publication	-	To be published by the Centre of Advanced Study in Education, Faculty of Education and Psychology, M. S. University, Baroda.
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22.	Name of Institution	- The S.I.T.U. Council of Educational Research, Madras, India.
	Title of Project	- TEACHING AND LEARNING ENGLISH IN SCHOOLS
	Names of Persons and Designations	- S. Natarajan, Project Director ; <u>M. Duraiswamy</u> ,) Secretaries to the <u>G. Srinivasachari</u> ,) Committee.
	Main Aim of Project	- (a) To ascertain from parents, the general public, final-year students and teachers, the purpose for which the learning of English is sought. (b) To identify the areas of weakness in the teaching and learning of English and suggest remedial measures.
	Description	- A questionnaire has been issued to the parents and the public. Separate questionnaires have been issued to teachers and students of final-year courses. The report will be based on the evidence gathered. A symposium on the teaching and learning of English in schools in the prevailing conditions in the country is under consideration.
	Date of Commencement	- April, 1971.
	Expected Date of Completion	- April, 1972.
	Sources of Finance	- Resources of the S.I.T.U. and help from other agencies.
	Method of Publication	- Printed Report.
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F - Teaching and Learning Situations

23. Name of Institution - Faculty of Education, University of Nairobi, Nairobi, Kenya.
- Title of Project - AKAMBA TRADITIONAL EDUCATION AND ITS RELATIONSHIP WITH FORMAL PRIMARY SCHOOLING
- Name of Person and Designation - David N. Kimilu, Headmaster, Chogoria High School.
- Main Aim of Project - The research aims at finding out the most suitable system of education in Ukamba-land today - a system which offers a continuity of educational ideas throughout the entire educational process.
- Description - The research covers two areas of study, namely the Akamba traditional methods of education and Kenya's present formal primary education. Out of the findings in these two fields, each of which forms a chapter of the thesis, a synthetic system of education is suggested in chapter three of the thesis - which system offers the aforesaid continuity.
- Date of Commencement - September, 1969.
- Expected Date of Completion - June, 1971.
- Source of Finance - Personal.
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24. Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.
- Title of Project - A BASIC PRACTICAL COURSE FOR TEACHERS
- Name of Person and Designation - Charles A. Pratt, Co-ordinator.
- Main Aim of Project - To focus attention on the need for basic practical experience of audio-visual aids as an integral part of teacher training and to show that a course in the subject can be administratively and economically viable.
- Description - Prepared and submitted as a background paper and discussed at the 1971 Association for Teacher Education in Africa Conference at Kampala, 31.3.71.

F - Teaching and Learning Situations

It suggests a basic practical course with five components:-

1. Visual aids to teaching and learning.
2. Electrically operated audio-visual aids.
3. Simple workshop practice.
4. Typewriting, stencil production and duplicating.
5. Community work.

Details are given of requirements for accommodation, staffing and costs.

Illustrated with eight half plate photographs reproduced by offset.

Includes a report of student reaction to these proposals.

Source of Finance	- The Nuffield Foundation, the Carnegie Corporation of New York and Institute funds.
Method and Date of Publication	- Published March, 1970. . Mimeographed text, offset illustrations.
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Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATION FOR RURAL DEVELOPMENT - See R 8
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Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- THE DEVELOPMENT OF ART EDUCATION IN UGANDA - See H 13
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25. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- AN INVESTIGATION INTO 'ON THE JOB TRAINING' OF GRADUATE TEACHERS AS AN ALTERNATIVE TO TRADITIONAL TEACHER EDUCATION PRACTICES

F - Teaching and Learning Situations

Name of Person and Designation	- <u>John Agard</u> , Lecturer, Department of Education.
Main Aim of Project	- To investigate the educational advantages and benefits of training graduate teachers for secondary schools while they are full-time members of the teaching staff in secondary schools.
Description	- Commencing with a 6-10 weeks theoretical course in pedagogy, intending graduate teachers will be given full time teaching posts in secondary schools. Their performances in the schools will be closely supervised and assessed and their pedagogical training will continue during school vacations over a period of two years before final assessments are made and teaching awards granted.
Date of Commencement	- April, 1971.
Expected Date of Completion	- July, 1974.
Source of Finance	- Being negotiated.
Method and Anticipated Date of Publication	- As a book. Undecided.

26. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- CURRICULUM DEVELOPMENT IN EDUCATIONAL THEORY FOR AFRICAN TEACHER EDUCATION
Name of Person and Designation	- <u>Daniel Barry</u> , Lecturer in Principles and Philosophy of Education.
Main Aim of Project	- To scrutinise existing educational theory with a view to eliminating or modifying what is now outdated or felt to be inaccurate.
Description	- It is hoped to indicate aspects of educational theory, commonly offered to teachers in training in Africa, which are nowadays questioned, or altogether rejected, in the light of recent research or contemporary thought.

F - Teaching and Learning Situations

Date of Commencement - October, 1970.

Expected Date of Completion - Unknown.

Source of Finance - None.

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27. Name of Institution - Department of Education, Makerere University, Kampala, Uganda.
- Title of Project - CHEMISTRY METHODOLOGY FOR UGANDAN SCHOOLS
- Name of Person and Designation - J.M. Freeman, Lecturer.
- Main Aim of Project - To develop and evaluate methods and SSP curriculum in chemistry teaching in Uganda.
- Description - Development of chromatography for schools. Introduction of S.S.P. chemistry for Ugandan schools in conjunction with the Ministry of Education; Evaluation of attitudes to learning chemistry in Ugandan school pupils.
- Date of Commencement - 1969.
- Expected Date of Completion - 1974.
- Source of Finance - CREDO, Uganda Ministry of Education.
- Method and Anticipated Date of Publication - As a manual in 1974.
-
28. Name of Institution - Department of Education, Makerere University, Kampala, Uganda.
- Title of Project - METHODS OF TEACHING ART IN UGANDA
- Name of Person and Designation - T.M. Mazinga, Lecturer.
- Main Aim of Project - To describe methods which have been found efficient in teaching art in Uganda.

F - Teaching and Learning Situations

Description	- Preparation of a manual.
Date of Commencement	- July, 1970.
Expected Date of Completion	- July, 1972.
Source of Finance	- Makerere.
Method and Anticipated Date of Publication	- As a book, 1972.
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29. Name of Institution	- Department of Language Methods, Makerere University, Kampala, Uganda.
Title of Project	- THE 'BLOCK' AS A GROUP METHOD IN TEACHING ENGLISH IN AN UGANDAN SECONDARY SCHOOL
Name of Person and Designation	- <u>W.D'Souza</u> , Lecturer and Acting Head of Department of Language Methods, Makerere University Kampala.
Description	- This study considers the effectiveness of teaching English through a group method known as the 'Block' in a secondary school. This method involves taking a 'Block' of three periods and teaching 200 pupils split into 36 groups in the one session. The basic method used (as outlined in a worksheet) gives ample opportunities for individual and group activities. The topics covered in the study include the rationale of the 'Block', how it works, its value in terms of work produced at the creative level and its effectiveness in providing general training for life through group work.
Date of Completion	- July, 1971.
Source of Finance	- Private.
Method of Publication	- Main Library, Makerere University, Kampala.
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30. Name of Institution	- Department of Language Methods, Makerere University, Kampala, Uganda.
Title of Project	- ENGLISH LANGUAGE IN TEXT BOOKS.

F - Teaching and Learning Situations

Name of Person and Designation	- <u>Mrs. S.M. Durojaiye</u> , Lecturer.
Main Aim of Project	- To determine the level of English in text books and to recommend some remedies.
Description	- A comparison of language level in course books other than English in S1 and S2 with suggested progression in English. A consideration of language learning courses in use in those classes.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1971.
Source of Finance	- Makerere Research Grant.
Method and Anticipated Date of Publication	- As a monograph in 1972.

31. Name of Institution	- Department of Language Methods, Makerere University, Kampala, Uganda.
Title of Project	- ENGLISH LANGUAGE LEARNING AMONGST SECONDARY SCHOOL PUPILS IN UGANDA
Name of Person and Designation	- <u>Mrs. S.M. Durojaiye</u> , Lecturer.
Main Aim of Project	- To investigate the problems in the above.
Description	- Investigation into the problems of language learning in Ugandan school children. Preparation of teaching devices to make learning easy.
Date of Commencement	- July, 1971.
Expected Date of Completion	- December, 1972.
Source of Finance	- Personal.
Method and Anticipated Date of Publication	- As a monograph in 1972.

F - Teaching and Learning Situations

32. Name of Institution - Department of Language Methods,
Makerere University, Kampala, Uganda.
- Title of Project - ADULTS' PROBLEMS IN LEARNING
SPOKEN ENGLISH
- Name of Person and Designation - Mrs. R. Nsibambi, Lecturer.
- Main Aim of Project - To investigate the problems in the above.
- Description - Investigation into problems faced by
Ugandan adults in learning spoken
English. Advice on methods of solving
these problems.
- Date of Commencement - January, 1971.
- Expected Date of Completion - July, 1972.
- Source of Finance - Makerere Grant.
- Method and Anticipated Date of Publication - As a monograph in 1972.

Name of Institution - Audio-Visual Aids Centre, National
Institute of Education, Makerere
University, Kampala, Uganda.

Title of Project - A BASIC VISUAL AIDS COURSE
- See I 6

Name of Institution - Science Education Centre, School of
Education, University of Zambia.

Title of Project - PRIMARY SCIENCE CURRICULUM
STUDY
- See H 14

Name of Institution - Department of History, Chancellor College,
University of Malawi.

Title of Project - THE CONTRIBUTION OF THE UNIVERSI-
TIES MISSION TO CENTRAL AFRICA
(U.M.C.A.) IN THE FIELD OF MALAWIAN
EDUCATION
- See B 7

F - Teaching and Learning Situations

33. Name of Institution - Soche Hill College, University of Malawi, Limbe, Malawi.
- Title of Project - AN INVESTIGATION INTO THE USE OF PROGRAMMED LEARNING MATERIALS IN MALAWIAN SECONDARY SCHOOLS
- Name of Person and Designation - C.J. Lawless, Senior Lecturer in Education.
- Main Aim of Project - To investigate the effectiveness of programmes relative to different categories of learning and methods of programme presentation.
- Description - Two main experiments have been carried out:-
(1) Using programmes in biology, multiple choice responding and constructed responding are being compared and related to categories of learning: verbal association, generalisation, discrimination and chaining.
(2) Using programmes in history, individual and paired use of programmes are being compared.
- General - a wide range of pupil variables are being investigated for a connection with learning from programmes.
- Date of Commencement - 1968.
- Expected Date of Completion - 1972.
- Source of Finance - University of Malawi Research Committee.
- Method of Publication - Articles will be submitted to learned periodicals.
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34. Name of Institution - University of Lagos College of Education, Lagos, Nigeria.
- Title of Project - THE MOTHER TONGUE AS A MEANS OF PROMOTING EQUALITY OF ACCESS TO EDUCATION IN NIGERIA
- Name of Person and Designation - C.O. Taiwo, Professor of Education.

F - Teaching and Learning Situations

Main Aim of Project	- The use and learning of the mother tongue in Nigerian schools with a view to the promotion of equality of access to education and the development of local culture and understanding.
Date of Commencement	- August, 1971.
Expected Date of Completion	- December, 1971.
Source of Finance	- UNESCO.
Method and Anticipated Date of Publication	- December, 1971.

Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- ENVIRONMENTAL STUDIES PROJECT - See R 12

Name of Institution	- Faculty of Education, University of Ife, Nigeria.
Title of Project	- A STUDY OF SCIENTIFIC CONCEPTS IN SELECTED NON-LITERATE ADULTS OF THE WESTERN STATE OF NIGERIA. - See M 7

Name of Institution	- Institute of Education, University of Ife, Nigeria.
Title of Project	- THE SIX YEAR PRIMARY PROJECT - See H 18

35. Name of Institution	- The Ghana Association of Science Teachers (GAST), Accra, Ghana.
Title of Project	- PROJECT FOR SCIENCE INTEGRATION (PSI)
Names of Persons and Designations	- <u>S.M. Adu-Ampoma</u> , Project Director; <u>Dr. Robert E. Pearson</u> , Secretary to Curriculum Development Committee of G.A.S.T.;

F - Teaching and Learning Situations

David Bates, Chairman, Editorial Board
Convenor;
Miss Margaret Tawia, Convenor, Teacher
Training Group;
K.A. Awuku) Co-Chairmen, Curriculum
S. Bortei-Doku) Development Committee.

- Main Aims of Project - (i) To help present science in an integrated manner and bring home to students the unity of science and of knowledge.
- (ii) To make science education relevant to Ghana's needs and make it more meaningful to Ghanaian children.
- (iii) To bring some vertical integration into the science education done in elementary schools, teacher training colleges and secondary schools, so as to make the transition from one to the next easier and meaningful.
- Description - A fortnight's workshop was called after many preliminary discussions.
- The workshop, which was held in April, 1970, arose from a desire by members of the Ghana Association of Science Teachers to reconsider many aspects of the teaching of science at all levels of pre-university education, and to attempt to bring consistency and continuity to science education at these various levels.
- In the report, following background information in the first three sections, separate sections are given to the reports of the primary, training college, and secondary school groups, and finally to the general plan for implementation. Operations have commenced on the basis of the plan recommended in the report.
- Date of Commencement - September, 1970.
- Expected Date of Completion - June, 1975/June, 1976.
- Sources of Finance - Unesco;
Ministry of Education, Ghana;
CEDO/British Council;
Science Education Programme for Africa (SEPA), formerly African Primary Science Programme (APSP).

F - Teaching and Learning Situations

- Method and Anticipated Dates of Publication - First drafts for trials about September, 1972.
First Publications September, 1973
1974
1975.
-
36. Name of Institution - Department of Geography & Environmental Studies, Njala University College, Sierra Leone.
- Title of Project - INVESTIGATION INTO THE PRESENT STATE OF GEOGRAPHY TEACHING IN PROVINCIAL SECONDARY SCHOOLS IN SIERRA LEONE
- Name of Person and Designation - Miss S.F. Taylor, Assistant Lecturer.
- Main Aims of Project - 1) To assess the present state of facilities for teaching geography in secondary schools of Sierra Leone.
2) To assist the department in offering an advisory service to the schools.
- Date of Commencement - January, 1971.
- Expected Date of Completion - June, 1971.
- Sources of Finance - Departmental funds and private.
- Method of Publication - Departmental bulletin and other Sierra Leonean education journals.
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37. Name of Institution - Department of Psychology, University of Bristol.
- Title of Project - LINGUISTIC AND EDUCATIONAL PERFORMANCE OF TANZANIAN STUDENTS
- Name of Person - R. Anderson.
- Main Aim of Project - To isolate specific linguistic problems so that courses can be designed to overcome these difficulties.
- Expected date of Completion - 1971.

F - Teaching and Learning Situations

	Source of Finance	- Nuffield Foundation.
38.	Name of Institution	- Department of Psychology, University of Bristol.
	Title of Project	- DEVELOPMENT OF NATIONAL ATTITUDES IN INDIAN CHILDREN
	Name of Person	- <u>E.S.K. Ghosh.</u>
	Description	- Approximately 270 children were studied in Uttar Pradesh and Tamil Nadu.
	Expected Date of Completion	- 1971.
	Source of Finance	- Nuffield Foundation.
39.	Name of Institution	- Department of Psychology, University of Bristol.
	Title of Project	- COGNITIVE DEVELOPMENT IN CHILDREN FROM SELECTED ETHNIC, EDUCATIONAL AND LANGUAGE BACKGROUNDS IN MALAYSIA
	Name of Person	- <u>M.S. Harrold.</u>
	Main Aim of Project	- Environmental influences on the transition from pre-operational to operational thinking.
	Expected date of Completion	- 1971.
	Source of Finance	- Nuffield Foundation.
	Name of Institution	- Institute of Education, University of the West Indies, Trinidad.
	Title of Project	- A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP) - See H 21

F- Teaching and Learning Situations

Name of Institution - Ontario Institute for Studies in Education,
Toronto, Canada.

Title of Project - THE LEARNING PROJECTS OF ACCRA
ADULTS
- See M 9

Name of Institution - Department of Adult Education, Ontario
Institute for Studies in Education, Canada.

Title of Project - INTERNATIONAL CERTIFICATE IN
ADULT EDUCATION: A FEASIBILITY
STUDY
- See M 10

Name of Institution - Department of Language, University of
York, Britain.

Title of Project - THE WRITTEN ENGLISH OF GHANAIAN
PRIMARY CLASS SIX CHILDREN IN
RELATION TO THEIR EXPOSURE TO
ENGLISH AS A MEDIUM OF SPOKEN
INSTRUCTION
See H 23

G - TEACHER TRAINING

Contents of courses; responses in non-traditional methods.

Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE DEVELOPMENT OF INSTRUMENTS FOR USE DURING TEACHING PRACTICE See F 7
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1. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- THE USE OF AUDIO-VISUAL METHODS IN TEACHER TRAINING WITH THE DEVELOPMENT OF APPROPRIATE FILM LOOPS, SYNCHRONIZED SLIDES, PROGRAMMED LEARNING SEQUENCES, AND TAPED LESSONS INTER-ACTION ANALYSIS
Name of Person	- <u>Dr. R.F. Simpson.</u>
Description	- A start has been made in the production of short 8mm. films and carrel programmes, which it is hoped to use in the Diploma in Education course and also for part of the introductory work in the first year science degree courses. A graduate assistant may be appointed to develop and evaluate such programmes, as part of a higher degree course.
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2. Name of Institution	- Department of Education, Banaras Hindu University, Varanasi, India.
Title of Project	- DEVELOPMENT OF A TEACHER ATTITUDE INVENTORY AND A STUDY OF CHANGE IN THE PROFESSIONAL ATTITUDES OF STUDENT TEACHERS
Name of Person and Designation	- <u>Dr. S.P. Ahluwalia</u> - Reader in Education.
Main Aims of Project	- The objectives of the present project are: (1) to develop an empirical multi-dimensional attitude inventory covering six areas, viz. attitudes toward (a) teaching as a profession, (b) classroom teaching, (c) child-centred practices, (d) educational process, (e) pupils and (f) teachers. (2) to investigate the nature and extent of change in the professional attitudes of student teachers of some selected teacher training institutions in Uttar Pradesh (India).
Description	- The first phase of the study lays stress on test development. The second

G - Teacher Training

phase intends to highlight the possibilities of the wide-scale use and application of the newly developed tests for dependably measuring changes in the attitudes of student teachers. Later studies may be undertaken to identify variables that accelerate or decelerate such a change and suggest ways and means of making the teacher education programmes in India more effective and efficient.

Date of Commencement	- July, 1970.
Expected Date of Completion	- December, 1972.
Source of Finance	- National Council of Educational Research and Training, New Delhi (India).
Method and Anticipated Date of Publication	- The final report (typescript) will be submitted to the NCERT in January, 1973. After obtaining their approval, the report will be published in the form of a book toward the end of December, 1973.

3. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATION IN TEACHER EDUCATION IN EAST AFRICA
Name of Person and Designation	- <u>M.O.A. Durojaiye</u> - Senior Lecturer.
Main Aim of Project	- To evaluate the programmes for teacher education currently available in East Africa.
Description	- Survey of education for teachers in training in East Africa. Evaluation of past and present teacher training.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1972.
Source of Finance	- Probably Teacher Education in Africa.
Method and Anticipated Date of Publication	- As a paper, January 1973.

4. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda
Title of Project	- TEACHER EDUCATION CURRICULUM AND CHANGE
Name of Person and Designation	- <u>A. Wandira</u> - Professor and Head, Department of Education.

G - Teacher Training

Main Aim of Project	- To investigate the type and usefulness of new programmes in teacher education in Africa.
Description	- A study of the pre-service teacher education curriculum for prospective secondary school teachers at Makerere, and other African teacher education institutions. Relation to African needs. Design and experimentation with new programmes. Evaluation of application to teacher education outside university.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1973.
Source of Finance	- Being negotiated.
Method and Anticipated Date of Publication	- As a book, unknown yet.
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Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Kampala, Uganda. 16mm. SOUND FILM PROJECTION: TEACHER TRAINING See I 8
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5. Name of Institution	- Institute of Education, University of Ife, Ile-Ife, Nigeria.
Title of Project	- AN INVESTIGATION INTO THE HIGH INCIDENCE OF FAILURE IN THE GRADE II TEACHERS' CERTIFICATE EXAMINATION IN THE WESTERN STATE OF NIGERIA
Name of Person and Designation	- <u>J.A.F. Sokoya</u> - In-Service Co-ordinator.
Main Aim of Project	- Many causes have been alleged to be responsible for the falling standard of primary education in the State; one of them is the poor quality of primary school teachers. This investigation is an attempt to find out the causes of failure amongst college trainees.
Description	- Investigation into college curricula and examination syllabuses, the staffing of the colleges and recruitment of students to colleges, the conduct and administration of the examinations, the recruitment of markers, the system of award and the control of the

G - Teacher Training

	examination. There will follow a final appraisal of the effects of those elements on the performances of candidates.
Date of Commencement	- July, 1970.
Expected Date of Completion	- January, 1972.
Method and Anticipated Date of Publication	- Circulated Report by April, 1972.

6.	Name of Institution	- Faculty of Education, University of Guyana.
	Title of Project	- CURRICULUM AND DEVELOPMENT STUDIES IN PRIMARY AND SECONDARY SCHOOLS
	Name of Person and Designation	- <u>Prof. M. McInerney</u> - Dean, Faculty of Education.
	Description	- Work began in 1968, and has now largely been completed, on three inter-related investigations. Final reports to the Carnegie Foundation will be submitted during August-September, 1971. Further areas for research and development, both in curriculum (primary and secondary) and in basic aspects of the psychology and sociology of education in their Guyanese applications, are at present being identified in conjunction with the Ministry of Education and bilateral and multilateral agencies.
		Details of the above-mentioned investigations are as follows:
		(i) Pupil response at primary level, including identification of possible obstacles to curriculum development in primary education. <u>Miss C.L. Baird</u> , Research Fellow, Faculty of Education.
		(ii) An enquiry into those elements in the school situation that affect the teaching and learning of English at the standard one level. <u>Miss Joyce Trotman</u> , Research Fellow, Faculty of Education.
		(iii) A statistical analysis of factors in the formal work structure of secondary education in Guyana, with special application to mathematics at form three level. <u>V.M. Bentt</u> , Research Fellow, Faculty of Education.

G - Teacher Training

Date of Commencement	- July, 1968.
Expected Date of Completion	- August-September, 1971.
Source of Finance	- Carnegie Corporation of New York.
Method and Anticipated Date of Publication	- Initially through written reports submitted to Carnegie Corporation and Guyana Ministry of Education. Permission for wider publication will be sought from these bodies. Publication, end of 1971.

7.	Name of Institution	- Institute of Education, The University of the West Indies, Trinidad.
	Title of Project	- A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP)
	Names of Persons and Designations	- <u>Dr. E.A. Furlonge</u> - Ag. Resident Representative; <u>H. Thompson</u> - M.Sc. Science Supervisor, Ministry of Education and Culture, Trinidad and Tobago; attached to the Institute of Education, U.W.I., St. Augustine, Trinidad; <u>Dr. Iolo Wyn Williams</u> -) Education Department,) University College of) Swansea, Swansea, U.K.:) <u>Dr. Bryan Powell</u> -) Consultants. Education Department,) Trinity College, Dublin,) Ireland.)
	Main Aims of Project	- To determine whether inexperienced teachers, who have no previous experience of the approach, can work competently in a practical science teaching course using detailed lesson by lesson teachers' guides. To study the effects of participating in this project on teachers' attitudes and on their performance with other classes, i.e. those not pursuing the WISCIP course.
	Date of Commencement	- 1969.
	Expected Date of Completion	- 1973.

8.	Name of Institution	- Department of Education, University of the West Indies, Jamaica, West Indies.
	Title of Project	- METHODS OF TEACHING ENGLISH TO SPEAKERS OF WEST INDIAN ENGLISH-BASED CREOLES

G - Teacher Training

Name of Person and Designation	- <u>Dennis R. Craig</u> - Senior 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.
Method and Anticipated Date of Publication	- An Experiment in Teaching English, Dennis Craig, Ginn, 1969. A course book for teachers in training is in manuscript and should be published in 1972.
Name of Institution	- Ontario Institute for Studies in Education, Toronto, Canada.
Title of Project	- TESTING GENERAL ENGLISH PROFICIENCY AMONG ADULTS IN INSERVICE TRAINING SITUATIONS IN ACCRA, GHANA See C 24

H - CURRICULUM

General, primary, secondary; particular subjects of disciplines.

1. Name of Institution	- School of Education, University of Waikato, New Zealand.
Title of Project	- HIGH SCHOOL SOCIAL SCIENCE CURRICULUM PROJECT, TERRITORY OF PAPUA AND NEW GUINEA
Names of Persons and Designations	- <u>James E. Ritchie</u> - Professor, University of Waikato; <u>Ian Whelan</u> - Development Officer, Department of Education, Territory of Papua and New Guinea.
Description	- This project comprises the development of a social science curriculum based on indigenous experience and classroom-community laboratory and field methods. The programme will consist of a four year curriculum co-ordinated in two sets of two and related to other curricula at present operating or being developed. The responsibility rests with the Department of Education who have called in a wide range of contributing experts. Development of materials is being undertaken in association with the Materials Centre of the University of Papua and New Guinea, which is also assisting in the evaluation. All the development and teaching has been designed to be open for continuous review. Training of secondary teachers is under way at the Goroka Secondary Teachers' College. The curriculum for each year is tested in experimental schools before general adoption. To date, year 1 has been fully serviced and is operating, year 2 is under experimental evaluation and year 3 is in the process of being planned.
Dates of Commencement	- Original reports by consultants, 1968. Planning, 1969. Year 1: evaluation, 1970. Adoption, 1971. Year 2: " , 1971. " , 1972.
Expected Date of Completion	- By 1974, the full four year programme will be universal in state and mission schools throughout the territory.
Source of Finance	- Internal. Department of Education, Territory of Papua and New Guinea.

H - Curriculum

Method and Anticipated Date of Publication	- Occasional. For information on materials contact Mr. Whelan, Department of Education, Konedobu. A social science newsletter for teachers in the territory is produced.
2. Name of Institution	- Centre for Advancement of Teaching, Macquarie University, Australia.
Title of Project	- DEVELOPMENT OF TECHNIQUES FOR THE EVALUATION OF NEW SCIENCE CURRICULA IN DEVELOPING COUNTRIES
Name of Person and Designation	- <u>Dr. G.R. Meyer</u> - Director, Centre for Advancement of Teaching.
Main Aim of Project	- To develop simple and effective methods of assessing the relevance and effectiveness of new science curricula in countries with limited resources for educational research and development.
Description	- Field studies have been undertaken in countries such as Kenya, Malawi, Mauritius, Tanzania, Uganda and Zambia. By working through local curricula, panels techniques for evaluating cognitive, affective and psychomotor outcomes of new curricula have been developed. These techniques include devices for systematic observation of classroom practice, for assessment of cognitive achievements, attitudes and interests, and for assessing school resource programmes. A number of indices of effectiveness have been developed to give an overall assessment of the suitability of the new programmes.
Date of Commencement	- June, 1968.
Expected Date of Completion	- Indefinite, but certain aspects will be publishable by the end of 1972.
Sources of Finance	- (i) Establishment of funds of Macquarie University Centre for Advancement of Teaching. (ii) Salary for consultancy provided by UNESCO.
Method and Anticipated Date of Publication	- From time to time, aspects of this study are included in reports submitted to UNESCO. In addition, a number of papers in educational journals are being prepared for publication through 1972/73.

H - Curriculum

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| 3. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - STUDIES IN THE INTRODUCTION AND INTEGRATION OF NUFFIELD CHEMISTRY INTO THE SCHOOL CERTIFICATE SYLLABUS |
| | Name of Person | - <u>A. Tam.</u> |
| | Description | - Of all the "products" imported from the United Kingdom, this is one which should not be used without any modification and adaption to meet the local conditions. Since work has been done to introduce Nuffield Combined Science to some local secondary schools, it is about time to give some thought to bring the three separated Nuffield "O" level science subjects into the schools. The research will aim at three main aspects which will help to clear the way for adapting the scheme, viz.:
(a) the reaction of the teachers to the scheme;
(b) the reaction of the students to the scheme;
(c) the problem of availability of laboratory space, equipment and chemicals in most local secondary schools. |
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| 4. | Name of Institution | - Faculty of Education, University of Nairobi, Nairobi, Kenya. |
| | Title of Project | - THE CURRICULUM DEVELOPMENT PLAN AND ITS IMPLICATIONS FOR THE TEACHING OF GEOGRAPHY |
| | Name of Person | - <u>Elijah Sinia Andahwa.</u> |
| | Main Aim of Project | - To examine the African Socialism Sessional Paper No. 10 and its application to planning in Kenya and the Current Development Plan, and then to find out how the teaching of Geography in Kenya is promoting the ideas contained in these documents. |
| | Description | - This will be carried out by means of interviews, and by means of questionnaires sent to some of the institutions of learning. |
| | Date of Commencement | - January, 1971. |
| | Expected Date of Completion | - July, 1972. |
| | Source of Finance | - Exploring the possibilities of financial assistance from the University. |
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H - Curriculum

Name of Institution	- University of Papua and New Guinea.
Title of Project	- EXTENSIVE READING LIST FOR HIGH SCHOOLS See I 1
Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE DEVELOPMENT OF PRE-SCHOOL TEACHING AND LEARNING MATERIALS See F 3
Name of Institution	- University of Papua and New Guinea.
Title of Project	- INTONATION AND STRESS PATTERNS OF ENGLISH AS A COMMUNICATION PROBLEM FOR STUDENTS USING ENGLISH AS A SECOND LANGUAGE MEDIUM OF INSTRUCTION See F 4
Name of Institution	- University of Papua and New Guinea.
Title of Project	- DESIGN, CREATION AND TESTING OF EDUCATIONAL MATERIALS FOR A NON-GRADED, MULTI-RACIAL PRIMARY SCHOOL See. F 5
Name of Institution	- University of Papua and New Guinea.
Title of Project	- SURVEY OF SCHOOL BROADCASTS See F 8
Name of Institution	- University of Papua and New Guinea.
Title of Project	- SECONDARY SOCIAL SCIENCES PROJECT See. F 10
Name of Institution	- University of Papua and New Guinea.
Title of Project	- DESCRIBING MATERIALS USED IN TEACHING AND LEARNING See. F 11
Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF THE T.P.P.S. PRIMARY SCIENCE PROGRAMME See F 12

H - Curriculum

5. Name of Institution	- Faculty of Education, University of Nairobi, Nairobi, Kenya.
Title of Project	- THE PROBLEMS OF MODERNIZING BIOLOGY TEACHING IN KENYA
Name of Person	- <u>Andrew Gomes</u> .
Main Aim of Project	- To: (i) investigate the present system of biology education; (ii) find out the approximate number of schools which would eventually adopt the S.S.P. course; (iii) explore the possibility of adopting the 'discovery approach' in teaching the traditional syllabus. (It is most likely that quite a number of schools, particularly the Harambee ones, will not adopt the S.S.P. course).
Date of Commencement	- January, 1971.
Expected Date of Completion	- Approximately 1973.
Source of Finance	- Personal.
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Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- EDUCATION FOR RURAL DEVELOPMENT See R 8
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6. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- CURRICULUM DEVELOPMENT IN MATHEMATICS
Name of Person and Designation	- <u>Mrs. M. Harbottle</u> - Senior Lecturer.
Main Aim of Project	- To develop and evaluate a new curriculum in mathematics.
Description	- Production of written materials: Assessment of current syllabus; analysis of feedback from trial schools; Investigation of methods for teaching these.
Date of Commencement	- 1969.
Expected Date of Completion.	- 1973.
Source of Finance	- Uganda.
Method and Anticipated Date of Publication	- Workbooks and manuals.
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H - Curriculum

7. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- CURRICULUM DEVELOPMENT IN BIOLOGY
Name of Person and Designation	- <u>T.J.A. Macpherson</u> - Senior Lecturer in Education.
Main Aim of Project	- To assess the suitability of a new curriculum in biology for Ugandan schools.
Description	<ol style="list-style-type: none">1. Assessing the value of the course, as far as pupils in Uganda are concerned.2. Assessment of the material in the light of teachers' and pupils' comments.3. Modification of the course in the light of 1 and 2 above, in particular. Modification of the practical work to make it more suitable, easier to understand and carry out, and less costly.4. Production of support materials, e.g. visual aids, background readers.5. Production of new materials so as to extend the course to 'A' level.6. Assessment of the examination results and development of new methods of examining.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1975.
Source of Finance	- Probably Uganda National Research Council.
Method and Anticipated Date of Publication	- As a book in 1976.
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8. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- CURRICULUM DEVELOPMENT IN PHYSICS (S.S.P.)
Name of Person and Designation	- <u>A.L. Gunn</u> - Lecturer.
Main Aim of Project	- To develop the S.S.P. curriculum in physics.
Description	<p>- Production of written material and apparatus for 24 trial schools.</p> <p>Assessment of cost of introducing S.S.P. physics courses into Ugandan schools.</p> <p>Analysis of feedback from trial schools in order to assess the course, and revise it if necessary.</p>

H - Curriculum

	Production of examinations to assess the course .
	Production of support material (e.g. filmed/taped lessons) and evaluation of these .
	Production of 'background' books containing Ugandan examples to illustrate the physics course.
	Investigation of methods of training teachers to teach modern science courses. (In particular stressing the experimental approach).
Date of Commencement	- 1969.
Expected Date of Completion	- 1973.
Source of Finance	- Uganda Ministry of Education and CREDO.
Method and Anticipated Date of Publication	- Work books, manuals and papers. About 1974.
<hr/>	
9. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- AGRICULTURAL EDUCATION. (Starting 1971)
Name of Person and Designation	- <u>A.D.R. Ker</u> - Lecturer in Education.
Main Aim of Project	- To survey and evaluate the current programme in agricultural education in Ugandan secondary schools.
Description	- A survey and evaluation of the present curriculum in agriculture in schools and colleges; A description of current activities in curriculum development in agriculture in Ugandan secondary schools, and an attempt to assess their effectiveness, and their suitability to the needs of the pupils and of the country; General conclusions and proposals for future development.
Date of Commencement	- January, 1971.
Expected Date of Completion	- December, 1972.
Source of Finance	- Being sought.
Method and Anticipated Date of Publication	- As a thesis for a higher degree, and as a teacher's book, in 1973.
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H - Curriculum

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| 10. | Name of Institution | - Department of Education, Makerere University, Kampala, Uganda. |
| | Title of Project | - A GUIDE TO FIELD WORK FOR GEOGRAPHY TEACHERS IN UGANDA |
| | Name of Person and Designation | - <u>J.P. Ocitti</u> - Lecturer. |
| | Main Aim of Project | - To prepare a teacher's manual. |
| | Description | - Preparation of the manual. |
| | Date of Commencement | - January, 1970. |
| | Expected Date of Completion | - December, 1972. |
| | Source of Finance | - Makerere. |
| | Method and Anticipated Date of Publication | - As a teacher's manual, 1973. |
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| 11. | Name of Institution | - Department of Education, Makerere University, Kampala, Uganda. |
| | Title of Project | - THE URBAN GEOGRAPHY OF GULU TOWNSHIP AND THE URBAN GEOGRAPHY OF KAMPALA CITY |
| | Name of Person and Designation | - <u>J.P. Ocitti</u> - Lecturer. |
| | Main Aim of Project | - To prepare a teachers' manual, and a workbook for school. |
| | Date of Commencement | - January, 1970. |
| | Expected Date of Completion | - December, 1972. |
| | Source of Finance | - Makerere. |
| | Method and Anticipated Date of Publication | - As a thesis and books in 1974. |
| <hr/> | | |
| 12. | Name of Institution | - Department of Education, Makerere University, Kampala, Uganda. |
| | Title of Project | - MODERN PRIMARY EDUCATION |
| | Name of Person and Designation | - <u>J.P. Ocitti</u> - Lecturer. |
| | Main Aim of Project | - To prepare three books on the foundation, curriculum and methods of primary education. |
| | Date of Commencement | - October, 1969. |
| | Expected Date of Completion | - December, 1973. |
| | Source of Finance | - Makerere. |

H - Curriculum

Method and Anticipated Date of Publication	- As books in 1972.
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13. Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- THE DEVELOPMENT OF ART EDUCATION IN UGANDA
Name of Person and Designation	- <u>T.M. Mazinga</u> - Lecturer.
Main Aim of Project	- To investigate the development of art in the various stages of education in Uganda.
Description	- Consideration of the background to art education in Uganda; Historical development of the School of Arts; Situation of art education in Ugandan schools and teacher training colleges; The role of other agencies in art education; Recommendation for the future of art education, after investigation by interviews and questionnaires.
Date of Commencement	- July, 1970.
Expected Date of Completion	- July, 1973.
Source of Finance	- Makerere research grant.
Method and Anticipated Date of Publication	- As a higher degree thesis in 1973, and as a book in 1974.
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Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- CHEMISTRY METHODOLOGY FOR UGANDAN SCHOOLS See F 27
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14. Name of Institution	- Science Education Centre, School of Education, University of Zambia.
Title of Project	- PRIMARY SCIENCE CURRICULUM STUDY
Name of Person and Designation	- <u>N.E. Obioha</u> - Lecturer in Science Education.
Main Aim of Project	- To ascertain the levels of development of certain science "readiness" factors by pupils in Zambian primary schools, and to investigate the effects of deliberate stimulation of the children in the selected "readiness" areas.

H - Curriculum

Description	<p>- This project, considered a preliminary research upon which the development of a meaningful science curriculum for the primary school could be based, is conceived in the belief that the Zambian Child, whose environment may be limited in experiential values, may not have acquired the readiness skills and concepts at the ages assumed by those responsible for planning curricula. If it is so, it is very likely that the learning of concepts in science are severely handicapped. The research is, in fact, an attempt to empirically verify this belief.</p> <p>The study is planned three parts:</p> <p>(i) the development and use of an instrument (group test) to determine the level of development of some basic concepts and skills (readiness factors) deemed to be pre-requisites to effective learning of science;</p> <p>(ii) the stimulation, through standardised practical lessons, of those readiness factors, and</p> <p>(iii) the evaluation of the effect of the stimulations, with particular reference to intellectual growth and readiness for, and/or performance in, science.</p>
Date of Commencement	- October, 1970.
Expected Date of Completion	- December, 1972.
Source of Finance	- Senate Research Fund of the University of Zambia.
Method of Publication	- Mainly as occasional publications in appropriate journals.
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15. Name of Institution	- University of Lagos College of Education, Lagos, Nigeria.
Title of Project	- PARTICIPATION OF LOCAL SYSTEMS IN A PAN AFRICAN EXPERIMENT IN EDUCATION
Name of Person and Designation	- <u>Akindele Osiyale</u> - Lecturer in Education.
Main Aim of Project	- To identify the change potentials and preferences of a local education system and induce change in the area of the primary school science curriculum.

H - Curriculum

Description	- The project introduces key personnel, within the Lagos State area, to the Africa Primary Science Programme, through classroom demonstrations, workshops and training. A number of teaching units, either adapted from A.P.S.P. or locally developed by co-operative effort, were introduced into a few primary schools. Co-operation with the education establishments resulted in concerted in-service training courses for teachers. A growing cadre of local resource people within the community develops interest and participates in material development and teacher training. The local education system accepts the philosophy and entrusts the preparation of science teaching guides to the cadre of local personnel.
Date of Commencement	- November, 1967.
Expected Date of Completion	- June, 1971.
Sources of Finance	- 1) Education Development Centre, under a contract grant from USAID; 2) Lagos State Ministry of Education; 3) Lagos City Council, Education Department.
Anticipated Date of Publication	- Soon after completion.
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16. Name of Institution	- Comparative Education Study and Adaptation Centre (CESAC), University of Lagos, Nigeria.
Title of Project	- THE DEVELOPMENT OF CURRICULA AND INSTRUCTIONAL MATERIALS FOR USE IN THE SECONDARY SCHOOLS OF NIGERIA
Names of Persons and Designations	- <u>Chief B. Somade</u> - Director; <u>Mr. O. Ozoro</u> - Research Fellow (on study leave); <u>Dr. A.L. Nickelson</u> - Research Fellow; <u>Prof. John Withall</u> - Research Fellow.
Main Aim of Project	- To develop, try out and revise curricula, textbooks and instructional materials for use in the secondary institutions of Nigeria, particularly comprehensive high schools and teacher training colleges, in the content areas of: Basic Science, Forms I and II. Biology, Chemistry & Physics, Forms III, IV and V. Social Studies, Forms I and II. Voc. and Technical Education, Forms I, II and III.

H - Curriculum

Description	<p>Home Economics, Forms I-V. Agriculture, Forms I and II.</p> <p>- The Comparative Education Study and Adaptation Centre, with the co-operation of the Ministries of Education, University subject-matter and education specialists and secondary school teachers and administrators, has conducted a programme of curriculum development and related in-service teacher education for secondary schools since 1965.</p> <p>The scheme or model of operations in the development of materials, training of teachers to use the materials, the trial teaching and subsequent revision of books and materials invariably involves these steps:</p> <ol style="list-style-type: none">1. initial curriculum development conference;2. writing workshops for production of teachers' guides, pupils' texts or workbooks and other materials;3. criticizing of first drafts of materials written;4. preparation by teachers who will try out materials;5. trial teaching of materials by trained teachers in ministerially selected pilot schools, (1st. and 2nd. years);6. feedback conference on the utility of the materials, involving the teachers and headmasters who used them, Ministry of Education representatives, teacher-training personnel and university representatives;7. co-operation with professional organisations, (e.g. Science Teachers Association of Nigeria, Social Studies Association of Nigeria), and ministries to stimulate the adoption and use of the curricula and materials.
Date of Commencement	<p>- Programme began in 1965 and the Centre was formally established in 1968.</p>
Expected Dates of Completion	<p>- First stage of operations expected to be completed in 1972. The work of revision, dissemination and in-service teacher education will be a continuing project.</p>
Source of Finance	<p>- Ford Foundation.</p>

H - Curriculum

Method and Anticipated Date of Publication	- Materials have been, and are being, constantly developed and published by commercial firms commissioned for specific printing of teachers' guides and pupils' books. The publications are sold at cost. Reports on CESAC's work and activities appear in the form of Quarterly and Annual Reports and are reported in CESAC's Newsletter <u>DIGEST</u> .
17. Name of Institution	- Department of Education, Ahmadu Bello University, Zaria, Nigeria.
Title of Project	- ATTITUDES AND ACHIEVEMENTS IN A PROGRAMMED UNIT OF GEOGRAPHY
Name of Person and Designation	- <u>P.O. Okunrotifa</u> - Lecturer in Education, Curriculum Development.
Main Aim of Project	- 1. To investigate: (a) the attitudes of second formers towards geography presented through linearly programmed materials; (b) the attitudes of the second formers towards programmed instruction; (c) the achievements of the second formers in a programmed unit of geography. 2. To compare the attitudes and achievements of: (a) experimental and control groups in the study; (b) sexes in the study; (c) urban and rural environment groups in the study. 3. To investigate the relationship between attitudes towards programmed instruction and achievements in geography.
Description	- Development and validation of experimental instruments. Administration of experimental materials in: urban (boys /girls) and rural (boys /girls) Secondary grammar school students of the North Central State of Nigeria. Analysis of data.
Date of Commencement	- October, 1969.
Expected Date of Completion	- 1972.

H - Curriculum

Source of Finance	- Department of Education, Ahmadu Bello University, Zaria, Nigeria.
Method and Anticipated Date of Publication	- Articles, 1974.
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Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- ENVIRONMENTAL STUDIES PROJECT See R 12
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18. Name of Institution	- Institute of Education, University of Ife, Nigeria.
Title of Project	- THE SIX YEAR PRIMARY PROJECT
Names of Persons and Designations	- <u>Professor A.B. Fafunwa</u> - Director, Institute of Education - Director of the Project; <u>Mr. J.A.F. Sokoya</u> - Institute of Education; <u>Mrs. J.I. Macauley</u> - Primary English Specialist; <u>Dr. A. Afolayan</u> - Lecturer in English as a Second Language; A number of Consultants from Ibadan and Lagos Universities and Principals of Teacher Training Colleges and Primary Schools in Western Nigeria.
Main Aims of Project	- There are four main aims of the project, 1. To develop a primary education curriculum with an adequately strong surrender value, since primary education is terminal for the majority of Nigerian children. 2. To develop materials, together with appropriate methodology, for teaching the prepared curriculum effectively. 3. To use the Yoruba language as the medium of instruction throughout, in order to demonstrate that primary education, when given in the child's mother tongue rather than in a second or foreign language, is more effective and meaningful. 4. To teach the English language effectively as a second language through specialist teachers, and thereby provide an alternative approach (generally assumed to be more practicable and rewarding than the current education practice) to the equipment of primary school products with a knowledge of English adequate for secondary education or appointments usually given to people of that level of formal education.

H - Curriculum

Description

- Workshops are organised, as needs arise, to produce a new curriculum for primary education and to develop new teaching materials. The curriculum prepared covers five instructional areas: Yoruba, English, mathematics, elementary science, and social and cultural studies.

A three-arm primary school - St. Stephen 'A' Primary School at Modakeke, Ill-Ife, was chosen. Two of the primary class one arms were designated experimental classes, and the third, the control. In the experimental classes, all subjects of the new curriculum, except English, are taught in Yoruba; and the English language is taught as a school subject by a specialist teacher of English as a second language. But in the control class the new curriculum is taught under the existing language policy of using Yoruba in the first three years and English in the last three years as the medium of instruction. Thus, in effect, there are two kinds of control provided: in terms of language through the three arms of the school and in terms of both content and language through all other primary schools in the State.

For validation of the project as an experiment, it is planned to widen it at the next phase by extending it to schools in other locations in the State.

Since the current training given to primary school teachers does not include how to use only Yoruba as the medium of primary education, on-the-job training is being provided for teachers serving on the project. It is planned to establish a pilot teacher training programme in at least one teacher training college within the next phase of the project. This is because it is considered necessary to be able to provide information, on a scientific basis, concerning the type of teacher training required for the effective adoption of the language policy underlying the programme. The project thus involves an exercise in the development of the Yoruba language for carrying the function of a medium of instruction in new areas such as modern mathematics and elementary science.

Date of Commencement

- January, 1970 (the beginning of the 1970 school year).

H - Curriculum

Expected Date of Completion	- The project is expected to be completed at the end of six years, that is by December, 1975 (the end of the 1975 school year). By then, no further in-take would be made into class one. It is hoped, however, that the achievement of at least three sets of the products of the project will be required for the purpose of comparative assessment. If a further year is allowed for the writing up of the results of the project, the project is expected to be completed by December, 1980.
Sources of Finance	- Ford Foundation, the Western State Ministry of Education and the University of Ife.
Method and Anticipated Date of Publication	- The following types of publication are envisaged: <ol style="list-style-type: none">1. The syllabuses and the schemes of work of (a) the six-year primary education curriculum and (b) the three-year pilot teacher training programme.2. The teaching materials (pupils' or students' and teachers') for the primary education and teacher training programmes.3. A scientific report of the project as an educational - linguistic experiment. (This project can be seen as a scientific experiment on the claims of <u>The Use of Local Languages in Education</u>, Monographs on Fundamental Education No. 8, Paris, UNESCO, 1953). <p>It is hoped that all publications will be completed by 1981.</p>
19. Name of Institution	- Faculty of Education, University of Ife, Nigeria.
Title of Project	- THE NATURE AND STRUCTURE OF MORAL INSTRUCTION IN WESTERN STATE SECONDARY SCHOOLS
Name of Person and Designation	- <u>Dr. J. Ade. Akinpelu</u> - Lecturer.
Main Aim of Project	- To determine if moral instruction is given in secondary schools in the Western State and, if it is, to analyse its nature and structure.
Description	- This is purely an exploratory project to find out what passes for moral education in schools. I propose to use questionnaires and interviews in the survey. The research is likely to spotlight whether teachers believe

H - Curriculum

that specific moral instructions is possible or necessary, and how far religion, civics, history and literature, and any other subjects, are used as sources of instruction.

Date of Commencement	- April, 1971.
Expected Date of Completion	- June, 1972.
Source of Finance	- University of Ife Development Funds.
Method and Anticipated Date of Publication	- As a research monograph and as a journal article. 1972 or thereafter.

20. Name of Institution	- Department of Teacher Education, Njala University College, University of Sierra Leone.
Title of Project	- NEW DIRECTIONS IN CURRICULUM ADAPTATION IN MATHEMATICS FOR SIERRA LEONE
Name of Person and Designation	- <u>Dr. R. Ogbonna Ohuche</u> - Senior Lecturer.
Main Aim of Project	- To study fundamental mathematical ideas in the traditional cultures of Sierra Leone and to determine implications for the adaptation of modern mathematics programmes.
Description	- An interview schedule is used to obtain information on basic ideas of arithmetic, geometry and measurement embedded in the subcultures of four ethnic groups; Creoles, Limbas, Mendes and Temnes. An investigation is carried out into possible inter-actions between the ideas and the concepts of modern mathematics now being tried out.
Date of Commencement	- July, 1969.
Expected Date of Completion	- June, 1972.
Source of Finance	- Research Grants and Publications Committee of Njala University College.
Method and Anticipated Date of Publication	- Journal articles, monograph, probably end of 1972.

21. Name of Institution	- Institute of Education, University of the West Indies, Trinidad.
Title of Project	- A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP)

H - Curriculum

- Names of Persons and Designations
- Dr. E.A. Furlonge - Ag. Resident Representative;
 - H. Thompson, M.Sc., - Science Supervisor, Ministry of Education and Culture, Trinidad and Tobago; attached to the Institute of Education, U.W.I., St. Augustine, Trinidad;
 - Dr. Iolo Wyn Williams -)
 - Education Department,)
 - University College of)
 - Swansea, Swansea, U.K.;) Consultants.
 - Dr. Bryan Powell, Education)
 - Department, Trinity College,)
 - Dublin, Ireland.)
- Main Aims of Project
- (a) To produce teachers' guides for a science course for secondary school pupils aged 12-14 (Years 1-3 in existing secondary schools and in the projected junior secondary schools).
 - (b) To establish whether pupils can work successfully in a practical, enquiry based, integrated science course.
 - (c) To determine whether the course lays a sound foundation for subsequent work in specialist subjects, e.g. for G.C.E..
 - (d) To determine whether inexperienced teachers can work competently, in the absence of supervision by experienced colleagues, with the degree of guidance provided in the teachers' guides.
 - (e) To study the effect of participating in the project on teachers' attitudes and on their teaching of non-WISCIP classes.
- Description
- The major effort of the project has been devoted to detailed teachers' guides which show the inexperienced teacher (often teaching for the first time, untrained, inexperienced in the practical approach to science teaching and frequently in the absence of senior experienced colleagues) how practical science teaching should be conducted, topic by topic, lesson by lesson, step by step. The content includes some original local material, but draws upon other modern schemes at this level. A limited amount of pupil material, mainly ecological, has been produced. The teachers' guides include tests and end of year examinations have also been written. The guides have been written for 3 science periods per week, but there is enough supplementary material for 4 or 5 periods.

H - Curriculum

Dates of Commencement	- 1968-69: planning and writing Year 1 materials (Consultant: I.W.W.). 1969-70: 21 schools using Year 1 materials: writing years 2 & 3 (Consultant: B.P.). 1970-71: 25 schools using Years 1 & 2 materials.
Expected Date of Completion	- By 1973, all materials will have been tested and revised. Long term aims will still need to be evaluated.
Sources of Finance	- The University of the West Indies: Consultants salaries, secretarial work, production of teachers' guides. Ministry of Education and Culture, Trinidad and Tobago: attachment of Science Supervisor, equipment in schools.

Name of Institution	- Department of Adult Education, Ontario Institute for Studies in Education, Canada.
Title of Project	- INTERNATIONAL CERTIFICATE IN ADULT EDUCATION: A FEASIBILITY STUDY See M 10

22. Name of Institution	- Institute of Education and Research, University of the Punjab, New Campus, Lahore, Pakistan.
Title of Project	- EVALUATION OF CURRICULA AT THE SCHOOL LEVEL
Names of Persons	- <u>A.H. Syed</u> - Professor and Project Director; <u>Dr. Sh. Muizzuddin</u> - Director, Research Operations; <u>Dr. Z.Z. Omer,</u>) <u>Dr. D.M. Malik,</u>) <u>Dr. M. Ilyas,</u>) Assistants. <u>Mr. Mohammad Afzal.</u>)
Main Aim of Project	- The study aims at evaluating the effectiveness of the existing curricula, at various levels, of different types of school education in Pakistan. Necessary changes will be recommended to make the curricula relevant to the present and future needs of individuals and of society.
Date of Commencement	- December, 1971.
Expected Date of Completion	- June, 1972.

H - Curriculum

Source of Finance	- The Ministry of Education, the Government of Pakistan.
Method and Anticipated Date of Publication	- It is expected that the Institute will have published the research reports by the end of 1972.
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23. Name of Institution	- Department of Language, University of York, Britain.
Title of Project	- THE WRITTEN ENGLISH OF GHANAIAN PRIMARY CLASS SIX CHILDREN IN RELATION TO THEIR EXPOSURE TO ENGLISH AS A MEDIUM OF SPOKEN INSTRUCTION
Name of Person and Designation	- <u>C.N. Hawkes</u> - English Language Officer, the British Council, Accra, Ghana.
Main Aim of Project	- To assess the benefit, if any, to attainment in written English accruing from starting English-medium education in the first or second year of primary education rather than in, approximately, the fifth.
Description	- Schools, of comparable quality, were divided into two groups according to whether they began English-medium teaching early or late. A total of 433 primary-six children were given an objective written test of English, Ravens Progressive Matrices (1938) A-C and a home background questionnaire. The mean English attainment scores of the two major sub-groups will be compared, while Matrices scores and a composite home background score (to be estimated by multiple regression analysis) will be held constant. Findings will be discussed in relation to the learning situation of the children, the educational context in Ghana and comparable findings elsewhere.
Date of Commencement	- October, 1969.
Expected Date of Completion	- End of 1972.
Source of Finance	- The research was begun while on paid study leave from the British Council, and is being written up in spare time. The fieldwork trip (January to May, 1970) was financed by a grant made available by the

H - Curriculum

Department of Language, the University of
York.

Method and Anticipated - To be presented for the D.Phil. degree at
Date of Publication the end of 1972. Publication probable in
1973, method yet to be fully decided.

I. EDUCATIONAL MEDIA

Preparation and evaluation of textbooks and supplementary reading materials; works of reference; use of audio-visual aids; radio; television.

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| 1. | Name of Institution | - University of Papua and New Guinea |
| | Title of Project | - EXTENSIVE READING LIST FOR HIGH SCHOOLS |
| | Names of Persons and Designation | - <u>Miss N. Ridgeway</u> , Graduate Assistant; <u>Mrs. D. Isoardi</u> , Graduate Assistant; <u>Mr. R. Wingfield</u> , UNESCO Adviser; <u>Mrs. R. Forrest</u> , UNESCO Adviser. |
| | Main Aim of Project | - To prepare an annotated bibliography of reading materials designed for extensive reading in Papua and New Guinea high schools. |
| | Description | - The examination of some 100 titles for annotation, with cross references of several types - to be updated as a continuing project. |
| | Date of Commencement | - February, 1970. |
| | Date of Completion | - February, 1971, (first edition). |
| | Source of Finance | - Educational Materials Centre; UNESCO Project, Goroka Teachers' College. |
| | Method of Publication | - Copies available from: Educational Materials Centre, University of Papua and New Guinea, P.O. Box 1144, Boroko, Papua New Guinea. |
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| 2. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - ASSESSMENT OF TEACHING AND LEARNING MATERIALS |
| | Names of Persons and Designations | - <u>Dr. G.A. Trevaskis</u> , Senior Lecturer, <u>Mrs. M. Donohue</u> , Graduate Assistant. |
| | Main Aim of Project | - To assess the educational materials used by the Reserve Bank of Australia in its extension programmes. |
| | Description | - Examination of seven booklets in the series "What is Banking?" from various viewpoints: language, comprehensibility, style, presentation, format, educational use and purpose. |

I - Educational Media

Date of Commencement	- March, 1971.
Date of Completion	- September, 1971.
Source of Finance	- Reserve Bank of Australia.
Method of Publication	- Report to Reserve Bank of Australia.
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- THE DEVELOPMENT OF PRE-SCHOOL TEACHING AND LEARNING MATERIALS - See F 3
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- DESIGN, CREATION AND TESTING OF EDUCATIONAL MATERIALS FOR A NON-GRADED, MULTI-RACIAL PRIMARY SCHOOL - See F 5
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- SURVEY OF SCHOOL BROADCASTS - See F 8
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- UNIVERSITY EXTENSION LECTURE SERIES - See F 9
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- SECONDARY SOCIAL SCIENCES PROJECT - See F 10
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Name of Institution	- University of Papua and New Guinea.
Title of Project	- DESCRIBING MATERIALS USED IN TEACHING AND LEARNING

I - Educational Media

- See F 11

Name of Institution	- University of Papua and New Guinea.
Title of Project	- EVALUATION OF THE T.P.P.S. PRIMARY SCIENCE PROGRAMME
	- See F 12

3. Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- EDUCATIONAL RESEARCH IN HONG KONG: A REFERENCE BOOK
Names of Persons	- <u>Dr. Norman K. Henderson;</u> <u>W. Fisher-Short.</u>
Description	- A summary of the sampling methods and types of school population involved, and other social and local issues in pursuing social research; of special use for reference by educational personnel in Hong Kong.
Date of Commencement	- June, 1969.
Sources of Finance	- Department of Education, University of Hong Kong and private sources.

Name of Institution	- Department of Education, University of Hong Kong.
Title of Project	- THE USE OF AUDIO-VISUAL METHODS IN TEACHER TRAINING WITH THE DEVELOPMENT OF APPROPRIATE FILM LOOPS, SYNCHRONIZED SLIDES, PROGRAMMED LEARNING SEQUENCES, AND TAPED LESSONS INTER-ACTION ANALYSIS
	- See G 1

4. Name of Institution	- Centre of Advanced Study in Education, Faculty of Education and Psychology, M.S. University of Baroda, India.
Title of Project	- PREPARATION AND EVALUATION OF PROGRAMMED READING MATERIALS

I - Educational Media

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| Names of Persons and Designations | - <u>Dr. G.B. Shah</u> , Reader, Centre of Advanced Study in Education;
<u>Miss G.G. Kapadia</u> ,) Junior Research
<u>Mr. V. Krishnamurthy</u>) Fellows, CASE. |
| Main Aim of Project | - An exploration into the possibilities and effectiveness of using programmed materials in schools. |
| Description | - Phase I "Effectiveness of Four Response Modes in Programmed Learning: an Exploration". The programme of 'Directed Numbers' was administered to 4 groups each having overt and covert responses of construct or copying nature.

Phase II To develop programmed learning material and to study pupil achievement in relation to certain personality variables.

A programme on the heart, and on blood circulation, in the Gujarati language, was prepared and used in the VIII standard of the secondary schools. Statistical analysis is now under progress.

Phase III An investigation into the relative effectiveness of different forms of programmed learning material. Programmes of linear, branching, skip-programmes styles, were prepared about, 'Thermometers' (in English) and were used in English medium schools of Baroda in standard VIII. Now statistical analysis is under way. |
| Date of Commencement | - August, 1969. |
| Expected Dates of Completion | - Phase I is over and the results are published in the Indian Educational Review, published by N.C.E.R.T., January, 1971 - "Effectiveness of Four Response Modes in Programmed Learning - an Exploration".

Phases II and III will be completed by June, 1971. |
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I - Educational Media

5. Name of Institution - The S.I.T.U. Council of Education
Research, 95-A, Ramakrishna Mutt Road,
Raja Annamalaipuram, Madras 28, India.
- Title of Project - READING READINESS PROJECT
- Names of Persons and Designations - S. Natarajan, Project Officer;
M. Duraiswamy, Project Officer;
G. Srinivasachari, Research Officer;
P.V. Krishnamurthy, Research Assistant;
R. Sarangapani Iyengar, Consultant.
- Description - 1. Word meaning tests (verbal and non-verbal).
2. Sentence meaning tests (verbal and non-verbal).
3. Visual perception tests.
4. Auditory discrimination tests (initial, middle and final sounds of words in Tamil).
5. Copying tests.
Conclusions will be drawn on the basis of the data collected.
- Date of Commencement - August, 1969.
- Date of Completion - July, 1971.
- Sources of Finance - Grant from National Council of Educational Research and Training, New Delhi and Resources of the S.I.T.U. Council of Educational Research.
- Method of Publication - Printed report.
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6. Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.
- Title of Project - A BASIC VISUAL-AIDS COURSE
- Name of Person and Designation - Charles A. Pratt, Co-ordinator.
- Main Aim of Project - To provide a comprehensive, inexpensive basic course for teachers.

Comprehensive in the sense that not only is a handbook provided but all the requirements are internationally available in 'KITS' specifically designed to facilitate production.

I - Educational Media

Basic in that it serves the needs of teaching at all levels and in all types of educational establishments.

Description

- A comprehensive handbook for tutors, technicians and local centre staff, describing in full detail the production of a portable blackboard/flannelboard (3' x 2') and instruction and practice in inexpensive flannelboard techniques and the provision of a 'Starter Kit' of materials. Routines taught include a 'No Backing Flannelboard Technique' permitting the use of most types of paper without the application of any backing material. This makes a flannelboard the cheapest display board for previously prepared material. Also included is the making of ink-markers from drinking straws and newspaper, and enlarging using three rubber bands.

The materials which have to be purchased are available in three kits from an international supplier, they are as follows:

1. "CENTRE KIT" for 5 or 20 persons, according to capacity for training. Provides everything to equip centre.
2. "PRODUCTION KIT" for 20 persons. Provides everything for production and training.
3. "STARTER KIT" for 20 persons. Provides materials so that on completion of the course they can go and practice the skills they have learnt.

The course and the kits have been specially designed to meet the needs of local centres and teacher training establishments.

Field tests carried out in Uganda in 1970-71, involving the production of 700 portable boards, 260 in up-country, rural situations.

- Date of Commencement - Started in Tanzania in 1967; finalised in Uganda in 1969.
- Date of Completion - 1970.
- Sources of Finance - The Nuffield Foundation, the Carnegie Corporation of New York and Institute funds.

I - Educational Media

Method and Anticipated Date of Publication	- Duplicated handbook which has been reprinted several times.
7. Name of Institution	- Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.
Title of Project	- SLIDE LIBRARY SERVICES
Name of Person and Designation	- <u>Charles A. Pratt</u> , Co-ordinator.
Main Aims of Project	- Our slide library has the ultimate aim of holding, in 35mm. film format, every picture required to illustrate the syllabuses used in Uganda. The 'Service' seeks to catalogue and inform concerning our stocks and to copy materials for educational use, on a non-profit-making basis. Slide library development is financed by the institute and carried out in association with subject specialists. The production of slides, in black and white, or colour, for educational use. Print production under evaluation with a view to mass production in late 1971.
Description	- To facilitate staff training, we have produced two textbooks:- "Slide Copying" and "Leitz Reprovit IIA Handbook". Experience shows that slide library services can provide a valuable aid to teaching, operate on viable economic lines within the budget of a developing country, and facilitate curriculum development.
Sources of Finance	- The Nuffield Foundation, the Carnegie Corporation of New York and institute funds.
Method of Publication	- Handbooks and some offset illustrations have been mimeographed.

I - Educational Media

8. Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.
- Title of Project - 16MM SOUND FILM PROJECTION: TEACHER TRAINING
- Name of Person and Designation - Charles A. Pratt, Co-ordinator.
- Main Aim of Project - To rationalise 16 mm. sound film projection training to conform to a pattern starting with a simple routine and proceeding by graduated stages to the complex whole.
- This approach directly related to the practical training of large numbers of student teachers.
- Description - The work is presented as a duplicated handbook for tutors and technicians and is designed to have some of its pages reproduced for issue as supplementary notes for the students being trained.
- Based on the Bell and Howell Model 642 projector, it can be adapted to other makes and models.
- Specifically designed to facilitate the training of many students on the basis of a series of one hour sessions for 20 students.
- Sources of Finance - The Nuffield Foundation, the Carnegie Corporation of New York and institute funds.
- Method of Publication - Mimeographed handbook.

Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.

Title of Project - AUDIO-VISUAL AIDS TECHNICAL SERVICES

See P 1

I - Educational Media

9. Name of Institution - Department of Education, Makerere University, Kampala, Uganda.
- Title of Project - PROGRAMMED LEARNING IN SECONDARY SCHOOL PHYSICS IN UGANDA
- Name of Person and Designation - A.L. Gunn, Lecturer.
- Main Aim of Project - To investigate the usefulness of the programmed learning approach to physics teaching in Ugandan secondary schools.
- Description - Production and trial of programmed material in physics in a limited number of schools, particularly to find:
- a) if the students have difficulties due to 2nd. language learning;
 - b) if programmed material can lead to more efficient use of teachers;
 - c) if the programmes can be integrated effectively with practical work.
- Date of Commencement - March, 1971.
- Expected Date of Completion - December, 1972.
- Source of Finance - Application made for Makerere research grant.
- Method and Anticipated Date of Publication - As papers, in 1973.
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10. Name of Institution - Department of Education, Makerere University, Kampala, Uganda.
- Title of Project - AIDS TO THE TEACHING OF HISTORY
- Name of Person and Designation - T. Watson, Senior Lecturer.
- Main Aim of Project - To develop instructional materials for history.
- Description - Aids to the teaching of history in East Africa. These include slides, tapes, the use of primary sources and a number of written sources for pupils in senior secondary schools.
- Date of Commencement - March, 1971.

I - Educational Media

Expected Date of Completion	- December, 1972.
Source of Finance	- Probably Makerere.
Method and Anticipated Date of Publication	- As instructional materials in 1973.
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11. Name of Institution	- Institute for African Studies, University of Zambia.
Title of Project	- THE ZAMBIAN BROADCASTING SERVICES RESEARCH PROJECT
Name of Person and Designation	- <u>Graham Mytton</u> , Zambian Broadcasting Services Research Fellow.
Description	- The project is chiefly concerned with nation-wide audience research. Audience attitudes to broadcasting, and in particular to language policy, are being studied. The size of the radio audience is being measured, and data are being obtained on many related communications. On the educational side of broadcasting, attention is being given to the problem of measuring the effectiveness (or otherwise) of all kinds of educational and instructional radio material. The research project is policy-oriented and recommendations based on the findings of the research are being put forward for consideration in future radio programme planning.
Date of Commencement	- March, 1970.
Expected Date of Completion	- March, 1973.
Source of Finance	- The project is entirely financed by the Ministry of Information, Broadcasting and Tourism.
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Name of Institution	- Comparative Education Study and Adaptation Centre (CESAC), University of Lagos, Nigeria.
Title of Project	- THE DEVELOPMENT OF CURRICULA AND INSTRUCTIONAL MATERIALS FOR

I - Educational Media

USE IN THE SECONDARY SCHOOLS OF
NIGERIA

See H 16

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12. Name of Institution - Institute of Education, University of Keele, Britain.
- Title of Project - THE KEELE INTEGRATED STUDIES PROJECT
- Names of Persons and Designations - (a) British members:
D.W. Bolam, Director;
D.R. Jenkins, Assistant Director;
Mrs. M. Brooksbank,)
G. Hartley,)Co-ordinators
S.J. Parker,)with L.E.A.'s.
A. Townsend,)
- (b) Overseas Fellows:
R. Asiedu (Ghana) - for Academic Year 1970-71.
Z. Kan (Kenya)
G. Falade (Nigeria) - UNESCO Fellowship, 1970-71.
- Main Aim of Project - To explore the problems and possibilities of the integration of the humanities into secondary schools. The project also enables its Overseas Fellows to familiarise themselves with the techniques of curriculum development.
- Description - Multi-media materials have been prepared to support 6 broad themes and problems. These will all 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; Exploration Man, Living Together, and Communications. Three are aimed at years three and four; Development in Africa, Groups in Society, Man-Made Man. 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 strategy.
- Date of Commencement - January, 1968.

I - Educational Media

Sources of Finance	- (a) Schools Council; (b) Local Education Authorities; (c) Overseas Development Administration - Overseas Fellows.
Method and Anticipated Date of Publication	- Date unknown. Curriculum Units for juniors will be published by Oxford University Press, probably in early 1972, together with explanatory handbook. Senior Units to be published later.
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13. Name of Institution	- School of Education, University of Reading, Britain.
Title of Project	- USE OF PROGRAMMED LEARNING MATERIALS IN MALAWIAN SECONDARY SCHOOLS
Name of Person	- <u>Clive J. Lawless.</u>
Main Aim of Project	- To assess the effectiveness of the use of programmed learning materials and the variables which effect pupils' performances on such programmes.
Date of Commencement	- October, 1968.
Expected Date of Completion	- Not known.
Source of Finance	- Private.
Method and Anticipated Date of Publication	- Impossible to state at this stage.
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14. Name of Institution	- School of Education, University of Southampton, Britain.
Title of Project	- SOME ASPECTS OF THE DEVELOPMENT OF SCHOOL BROADCASTS FOR SCHOOLS IN THE SOLOMON ISLANDS
Name of Person and Designation	- <u>Graeme Kent</u> , School Broadcasting Officer, Solomon Islands.
Main Aim of Project	- To discover what impression radio broadcasts for schools are having on pupils in the Solomon Islands.
Description	- A representative sample of 500 teachers, approximately 50% of the total, are being

I - Educational Media

interviewed. The effects of broadcasts are being observed in the classrooms of some 200 schools. It is hoped to discover how many schools are using broadcasts and what teachers and children think of them.

Date of Commencement - October, 1970.

Expected Date of Completion - January, 1973.

Source of Finance - None.

Method and Anticipated Date of Publication - None anticipated.

Name of Institution - University of the West Indies, Institute of Education, Trinidad.

Title of Project - A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP)

See H 21

Name of Institution - Institute of Education and Research, University of the Punjab, New Campus, Lahore, Pakistan.

Title of Project - COMPREHENSIVE EDUCATIONAL RESEARCH PROJECT

See A 15

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	- University of Papua and New Guinea.
Title of Project	- THE CONCEPTUAL AND COGNITIVE ASPECTS OF SCIENCE TEACHING AND LEARNING FOR STUDENTS FROM NON-WESTERN CULTURAL BACK- GROUND S
	- See F 2

1.	Name of Institution	- Department of Education, University of Hong Kong.
	Title of Project	- SECONDARY SCHOOL DROP-OUTS
	Names of Persons	- <u>Dr. Norman K. Henderson;</u> <u>Y.W. Fung.</u>
	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 dropping-out, and what may be done to alleviate the situation.
	Date of Commencement	- October, 1968.
	Expected Date of Completion	- 1971.
	Source of Finance	- Department of Education, University of Hong Kong.

2.	Name of Institution	- The S.I.T.U. Council of Educational Research, Madras, India.
	Title of Project	- PUPILS' ACHIEVEMENT PROJECT
	Names of Persons and Designations	- <u>V. Arunajatai</u> and <u>Dr. R. Srinivasa Rao</u>) Investigators .

J - Selection and Performance of Students

Main Aims of Project	- (a) To provide as clear a comparison as possible between students who took different types of secondary school preparation, in respect of examination results, university performance and, if possible, job success. (b) To find if there is any correlation between the work experience provided by the diversified courses and the language abilities of the pupils concerned and the general effect of the academic and diversified courses on pupils of different abilities.
Description	- Twenty secondary schools (10 in the city of Madras and 10 from two District Centres) were chosen at random for study. The information gathered from these schools related to the school marks in IX, X and XI standard and in the S.S.L.C. Public Examination of two groups of students, one opting for diversified courses (engineering/ secretarial practice) in the X standard and the other taking the academic courses in the years 1964-67 and 1965-68. (Marks secured by the students of the specified course at the first year of polytechnic, including marks in the language subject, were also studied).
Date of Commencement	- December, 1969.
Expected Date of Completion	- July, 1970.
Source of Finance	- Ad hoc grant from Ford Foundation.
Method and Anticipated Date of Publication	- Printed report.
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3. Name of Institution	- Department of Postgraduate Studies and Research in Education, University of Mysore, India.
Title of Project	- AN EXPERIMENTAL STUDY OF THE PROBLEM OF MORAL INSTRUCTION IN UPPER PRIMARY SCHOOLS
Name of Person and Designation	- <u>A.S. Seetharamu</u> , Lecturer in Education, formerly Research Fellow at Mysore University.

J - Selection and Performance of Students

Guide: Dr. R.P. Singh, Professor and
Head of Department of Education.

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| Main Aim of Project | - To find out the nature and extent of effectiveness of moral instruction at the upper-primary school level. |
| Description | - Two groups of 40 boys and 40 girls matched for age, sex, intelligence, socio-economic status and moral development with two other groups of 40 boys and 40 girls were given moral instruction for a period of 12 weeks, while controlling other factors which might have influenced moral development. After moral instruction, all the groups were tested for moral development. The difference in performance of the groups which received moral instruction is an index of the effectiveness of moral instruction. |
| Date of Commencement | - 24 August, 1967. |
| Expected Date of Completion | - June, 1971. |
| Source of Finance | - University of Mysore financed the project for 2 years and 9 months by giving a fellowship to the research worker. |
| Method and Anticipated Date of Publication | - It is hoped that the results will have been published by the end of 1971. |
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4. Name of Institution - Department of Post-Graduate Studies and Research in Education, University of Mysore, India.
- Title of Project - AN ENQUIRY INTO THE CAUSES FOR THE SUPERIORITY OF X STANDARD RESULTS IN PUBLIC EXAMINATIONS IN THE SOUTH KANARA TO THE RESULTS IN OTHER AREAS OF MYSORE STATE
- Name of Person and Designation - B.G. Barki, Research Fellow in Education.
Guide: Dr. R.P. Singh, Professor and
Head of the Department of Education.
- Main Aim of Project - 1. To find out the causes for the superiority of X standard results in public examinations in South Kanara.

J - Selection and Performance of Students

2. To find out the causes for the inferiority of results in the other districts of Mysore State.
3. To suggest means for improving the results in these districts.

Description - The state of Mysore was re-organised in 1956. The Mysore Secondary Education Examination Board has been conducting the secondary school final examination in the State since 1963. Ever since then, South Kanara, a coastal district in Mysore has been consistently showing a very high percentage of results ranging between 70.8% to 88.0% whereas the other 19 districts of the State have been showing very poor results. This situation is being investigated in the present project.

Tests of intelligence, aptitude and motivation have been administered to students of X standard in the districts under study, and an inventory made of their study habits. Questionnaires have also been administered to teachers, heads of the institutions, the parents of the X Std. students, and education officers.

Date of Commencement - September, 1969.

Expected Date of Completion - September, 1972.

Source of Finance - U.G.C. Fellowship.

Method and Anticipated Date of Publication - 1972.

Name of Institution - Department of Post-Graduate Studies and Research in Education, University of Mysore, India.

Title of Project - AN ENQUIRY INTO THE EMOTIONAL DEVELOPMENT OF CHILDREN IN THE AGE RANGE OF 5 TO 7 YEARS

See E 2

J - Selection and Performance of Students

Name of Institution	- Child Development Research Unit, University of Nairobi, Kenya.
Title of Project	- CHILD-REARING PRACTICES OF MOTHERS OF HIGH-ACHIEVING CHILDREN IN VARIOUS KENYAN COMMUNITIES See E 6
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Name of Institution	- Child Development Research Unit, University of Nairobi, Kenya.
Title of Project	- THE INFLUENCE OF CHILDREN'S ENVIRONMENTS ON THEIR ABILITIES TO PAY ATTENTION IN SCHOOL See E 3
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Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE MATHEMATICAL ABILITY OF EAST AFRICAN STUDENTS See C 7
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Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE COGNITION OF BEHAVIOURAL UNITS (FACES) IN EAST AFRICAN STUDENTS See C 6
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5. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE CONCEPT OF INTELLIGENCE IN EAST AFRICA
Name of Person and Designation	- <u>Hamed El-Abd</u> , Professor of Educational Psychology, Head of Department.
Description	- An investigation of the East African interpretation of cleverness using one group of university students to construct categories of intelligence and another group to validate them. The predominant

J - Selection and Performance of Students

components of cleverness were found to be wisdom and problem-solving ability. The implication of the completed study is that general Western concepts, such as intelligence, are not irrelevant to East African cultures, but cannot be measured by Western instruments without appropriate modifications.

Date of Commencement	- 1967.
Date of Completion	- June, 1970.
Source of Finance	- Department of Educational Psychology and Institute of Education, Makerere University.
Method and Anticipated Date of Publication	- In journals and departmental monographs.
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Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THREE STUDIES IN SCHOOL DISCIPLINE See E 12
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Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE APPLICATION OF OBJECTIVE TESTS FOR ASSESSING ACADEMIC ACHIEVEMENT IN SCIENCE See C 10
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Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- THE SEVEN DASHES TEST See C 5
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6. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- AN INVESTIGATION OF ELEVEN

J - Selection and Performance of Students

MENTAL ABILITIES IN UGANDAN CHILDREN

Name of Person and Designation	- <u>Twaha Nsereko-Gyagenda</u> , Academic Secretary, Faculty of Education, Makerere University.
Description	- This study is concerned with the investigation of the existence of eleven factors of mental ability in relation to Guildford's structure-of-intellect model (SOI) in four samples of Ugandan school children. The factors investigated are five cognition factors: speed of closure (CFU), verbal comprehension (CMU), spatial orientation (CFS), general reasoning, (CMS), and visualisation (CFT); two memory factors: rote memory (MSR) and number facility (MSI); one divergent production factor: word fluency (DSU); one convergent production factor: flexibility of closure (MFT); and two evaluation factors: perceptual speed (EFU) and perceptual speed (ESU). All eleven hypothesized factors were confirmed in the African samples with the exception of one factor that failed to appear in one sample. The findings support El-Abd's (1966) assumption "That the structure of intellect is independent of race or religion but dependent on education and experience."
Date of Completion	- April, 1971.
Sources of Finance	- Research and Publications Grants Committee and Institute of Education, Makerere University.
Method and Anticipated Date of Publication	- Main Library, Makerere University, Kampala.
Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- A STUDY OF DISCIPLINARY ATTITUDES OF BOARDING AND DAY STUDENTS IN SOME UGANDAN SECONDARY SCHOOLS See E 8

J - Selection and Performance of Students

Name of Institution	- University of Malawi, Soche Hill College.
Title of Project	- THE PREDICTION OF TECHNICAL APTITUDE See C 11
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7. Name of Institution	- University of Lagos College of Education, Lagos, Nigeria.
Title of Project	- PRIMARY SCHOOL DROP-OUTS IN LAGOS: INCIDENCE, CAUSATION AND SUGGESTIONS FOR PREVENTION
Name of Person and Designation	- <u>Dr. E. Ola Obe</u> , Lecturer in Education.
Main Aim of Project	- To investigate the incidence; causes; contributions to economic, educational and social problems of primary school drop-outs; and to make suggestions for diminishing the number of drop-outs in Lagos State, Nigeria.
Description	- Two major sources of data for this project are: published digests of educational statistics and returns of questionnaires distributed to a sample of primary school headmasters, teachers and other educational personnel within Lagos State. In addition, statistics relating to primary school-age children identified as juvenile delinquents, or social and behavioural deviates, will be obtained, where possible.
Date of Commencement	- January, 1971.
Expected Date of Completion	- August, 1971.
Method and Anticipated Date of Publication	- Soon after completion.
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8. Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- PSYCHOLOGICAL CORRELATES OF ACADEMIC SUCCESS AND FAILURE AMONG WESTERN NIGERIAN GRAMMAR SCHOOL PUPILS

J - Selection and Performance of Students

Name of Person and Designation	- <u>Dr. C.G.M. Bakare</u> , Lecturer in Educational Psychology.
Main Aim of Project	- To identify some personality correlates of high and low scholarship among Western Nigerian grammar school pupils.
Description	- Tests of general and test anxiety, self concept, study habits, personal problems and sociometric status are administered to successful and failing students. Scores are compared across ages, sexes, and urban-rural residence.
Date of Commencement	- December, 1969.
Expected Date of Completion	- December, 1971.
Source of Finance	- Senate Research Fund.
Method and Anticipated Date of Publication	- As a monograph in early 1972.
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Name of Institution	- Institute of Education, University of Ibadan, Nigeria.
Title of Project	- ENVIRONMENTAL STUDIES PROJECT See R 12
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9. Name of Institution	- Test Development and Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project	- ENGLISH ABILITY AND OBJECTIVE TEST PERFORMANCE IN NIGERIA
Name of Person and Designation	- <u>Dr. A.I. Fiks</u> , Acting Head, Research Department.
Main Aim of Project	- To determine whether and, if so, to what extent proficiency in English acts as a confounding factor on objective test performance in the last year of primary school.
Description	- Comparison of scores of primary pupils on the general paper of the 1970 Nigerian first school leaving certificate examination when the test is presented in English and

J - Selection and Performance of Students

		when it is translated into the first language of the pupils (i.e. Yoruba, Hausa, Ibo).
Date of Commencement	-	1971.
Expected Date of Completion	-	1971.
Source of Finance	-	U.S. Agency for International Development.
Method and Anticipated Date of Publication	-	Research report, 1971.
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10. Name of Institution	-	Test Development and Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project	-	ROBUSTNESS OF COMMON ENTRANCE EXAMINATIONS (CEE) IN NIGERIA
Names of Persons and Designations	-	<u>Dr. A.I. Fiks</u> , Acting Head, Research Department; <u>A.O. Oloyede</u> , Research Fellow.
Main Aim of Project	-	Determine whether participation in a pre-trial test, one week before the live CEE, results in any advantage for candidates.
Description	-	Comparison of CEE scores of 71 pupils from three schools which had participated in pre-trial testing with 40 pupils from 3 comparable schools which had not participated in the trials.
Date of Commencement	-	1970.
Expected Date of Completion	-	1971.
Sources of Finance	-	US Agency for International Development and Ford Foundation.
Method and Anticipated Date of Publication	-	Research note, 1971.
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J - Selection and Performance of Students

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| 11. | Name of Institution | - | Test Development and Research Office of the West African Examinations Council, Lagos, Nigeria. |
| | Title of Project | - | THE RELATIONSHIP BETWEEN SELECTIVE ENTRANCE EXAMINATION SCORES AND SECONDARY SCHOOL ACADEMIC PERFORMANCE IN SIERRA LEONE |
| | Name of Person and Designation | - | <u>Dr. S.S.A. Akeju</u> , Principal Research Officer. |
| | Aim of Project | - | To examine the potential value of current procedures for selecting students for admission into Sierra Leonean secondary schools. |
| | Description | - | Candidates' scores in the 1970 selection entrance examination to selected Sierra Leonean schools were correlated with their scores in specially made examinations, consisting of tests in English, mathematics, social studies and general science. The criterion tests were similar in pattern to the school certificate examination which the students would take at the end of their school careers. The grading of the criterion test papers also followed the same pattern as for the school certificate examination. |
| | Date of Commencement | - | April, 1970. |
| | Expected Date of Completion | - | August, 1971. |
| | Source of Finance | - | WAEC. |
| | Method and Anticipated Date of Publication | - | Sierra Leone Journal of Education, and TEDRO reports. |
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| 12. | Name of Institution | - | Test Development and Research Office of the West African Examinations Council, Lagos, Nigeria. |
| | Title of Project | - | RELATIVE PERFORMANCE OF URBAN VERSUS RURAL SCHOOL CANDIDATES IN SELECTIVE ENTRANCE EXAMINATION |
| | Name of Person and Designation | - | <u>Dr. S.S.A. Akeju</u> , Principal Research Officer. |

J - Selection and Performance of Students

Main Aim of Project	- To investigate the allegation that urban school pupils perform better than rural school pupils in the common and selective entrance examinations in West Africa and to identify the causes of the differences (if any).
Description	- In recent times, many people, including school principals, have criticized the Common and Selective Entrance Examination papers for an alleged cultural bias. That is, according to them, urban school pupils tend to do better than rural school pupils. Selective entrance scores from selected urban primary schools in Nigeria, Ghana, Sierra Leone and the Gambia will be compared with scores from selected rural schools. Evidence concerning the relative performances of urban and rural pupils will be sought from the data and from the secondary schools into which they were admitted. Efforts will also be made to identify the causes of the differences (if any) in performance levels.
Date of Commencement	- July, 1971.
Expected Date of Completion	- June, 1972.
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13. Name of Institution	- Njala University College, Universtiy of Sierra Leone.
Title of Project	- THE HARRIS-GOODENOUGH DRAW-A-MAN TEST IN ANOTHER CULTURAL SETTING
Names of Persons and Designations	- <u>Dr. R Ogbonna Ohuche</u> , Senior Lecturer; <u>Mrs. Nancy Ohuche</u> , Teacher, International School.
Main Aim of Project	- To investigate the usefulness of the Harris-Goodenough Draw-A-Man Test as a measure of intellectual maturity among Sierra Leonean children.
Description	- Children in all classes of the Primary School have been given the test under conditions which will allow for determination of reliability and validity co-efficients. Comparisons will be made with standardised groups in the United States.

J - Selection and Performance of Students

Date of Commencement - October, 1968.
Expected Date of Completion - June, 1971.
Source of Finance - Researchers.
Method and Anticipated Date of Publication - Journal article by December, 1971.

Name of Institution - School of Education, University of Reading, Britain.
Title of Project - A COMPARATIVE STUDY OF EDUCATIONAL DEVELOPMENT IN THAILAND, MALAYA AND SINGAPORE.

See B 9

14. Name of Institution - Education Department, University College, Cardiff, Britain.
Title of Project - AN INVESTIGATION INTO THE MATHEMATICAL ABILITY OF TRAINING COLLEGE STUDENTS IN GHANA
Name of Person and Designation - Glyn Johns - Lecturer in Mathematics, College of Education, Barry, South Wales.
Main Aim of Project - To determine the level of mathematical achievement in an educational institution.
Description - A mathematical ability test, an attitude test, and a questionnaire were given to over twelve hundred students in training colleges in Ghana. The test was designed to measure the students' knowledge and understanding of primary mathematics concepts, and the score on this test was used as a determinant of mathematical ability.

The total scores on the mathematical ability test were related to the students' backgrounds, previous educations, parental educations, and attitudes to mathematics. Comparisons were made between groups of students and levels of achievement were set up. These levels of achievement were compared with the performance of students at the Barry College of Education.

J - Selection and Performance of Students

Date of Commencement	-	October, 1969.
Date of Completion	-	July, 1971.
Source of Finance	-	The researcher was seconded to the Curriculum Research Unit, Accra for a period of 18 months. During this period he was employed by the Ministry of Overseas Development.
Anticipated Date of Publication	-	September, 1971.
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15. Name of Institution	-	Institute of Education, University of the West Indies, Trinidad.
Title of Project	-	A WEST INDIAN SCIENCE CURRICULUM INNOVATION PROJECT (WISCIP)
Names of Persons and Designations	-	<u>Dr. E.A. Furlonge</u> , Ag. Resident Representative; <u>H. Thompson</u> , Science Supervisor, Ministry of Education and Culture, Trinidad and Tobago; attached to the Institute of Education, U.W.I., St. Augustine, Trinidad; <u>Dr. Iolo Wyn Williams</u> ,) Education Department,) University College of) Swansea, Swansea, U.K.;) Consultants <u>Dr. Bryan Powell</u> ,) Education Department,) Trinity College, Dublin,) Ireland.)
Description	-	As part of the WISCIP programme, a study will be undertaken of the predictive validity of pupils' performances in the WISCIP course (Years 1-3) on later performances in GCE O Level, and the feasibility of using such cumulative records for selection at the end of junior secondary school.
Date of Commencement	-	1969.
Expected Date of Completion	-	1973.
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J - Selection and Performance of Students

Name of Institution - Institute of Education and Research,
University of the Punjab, New Campus,
Lahore, Pakistan.

Title of Project - COMPREHENSIVE EDUCATIONAL
RESEARCH PROJECT

See A 15

Name of Institution - Institute of Education, University of Sind,
Hyderabad, Pakistan.

Title of Project - THE CONSTRUCTION OF TESTS FOR
SECONDARY SCHOOL PUPILS

See C 25

K - CAREERS

Careers; occupations; training; vocational guidance and counselling

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|----|---------------------|---|
| 1. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - THE SCHOOL COUNSELLOR'S INTERVIEW |
| | Name of Person | - <u>Dr. Norman K. Henderson.</u> |
| | Description | - An analytical study of the natures and purposes of school counsellors' interviews, with experimental studies of the factors contributing to rapport and favourable pupil responses. |
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| 2. | Name of Institution | - Department of Education, University of Hong Kong. |
| | Title of Project | - HELPING PUPILS CHOOSE CAREERS |
| | Name of Person | - <u>Dr. Norman K. Henderson.</u> |
| | Description | - A survey of vocational counselling procedures with comparative studies of inventories and scales in use in other places - with special reference to careers masters' needs in Hong Kong. |
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|----|--------------------------------|---|
| 3. | Name of Institution | - Centre for Educational Services, University of Penang, Penang, Malaysia. |
| | Title of Project | - GUIDANCE PERSONNEL AND FACILITIES IN A SELECTED SAMPLE OF PRIMARY AND SECONDARY NATIONAL AND NATIONAL-TYPE SCHOOLS IN PENANG |
| | Name of Person and Designation | - <u>Amir bin Awang</u> - Lecturer and Student Counsellor. |
| | Main Aims of Project | <ul style="list-style-type: none"> - i) To investigate the extent and type of professional training received by guidance counsellors (career teachers, as they are normally designated) in these schools. ii) To find out the extent and type of guidance literature available in these schools. iii) To find out the nature of other physical facilities, such as counsellors' rooms student record cards etc. iv) To look into the common types of student problems faced by these career teachers. |

K - Careers

Description	<ul style="list-style-type: none"> - This project is a survey which makes use of a questionnaire which seeks to obtain basic information on: <ul style="list-style-type: none"> i) the professional training of the career teachers ; ii) the types and sources of guidance literature available in school as well as the type of guidance activities carried out in these schools; iii) the nature of the counsellor's room; iv) the common types of student problems. <p>Besides the questionnaire, the researcher will also conduct personal interviews with a selected number of the subjects.</p> <p>As the project is neither experimental nor correlational in nature, the researcher will make only a descriptive report on the survey.</p>
Date of Commencement	- October, 1971.
Expected Date of Completion	- May, 1972.
Source of Finance	- University of Penang.
Method of Publication	- To be published in the Journal Pendidikan, Fakulti Pendidikan, University of Malaya, Kuala Lumpur.
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4. Name of Institution	- Department of Educational Psychology, Makerere University, Kampala, Uganda.
Title of Project	- OCCUPATIONAL GUIDANCE OF UGANDAN SECONDARY SCHOOL PUPILS
Name of Person and Designation	- <u>M.O.A. Durojaiye</u> - Senior Lecturer.
Main Aim of Project	- To investigate the occupational choices and values of secondary school pupils, and to recommend guidance programmes.
Description	- Identification of occupational choices and orientations of secondary school pupils as basis to mounting a programme of occupational guidance for pupils in S2 to S4.
Date of Commencement	- October, 1970.
Expected Date of Completion	- December, 1973.
Source of Finance	- Probably Uganda National Research Council.
Method and Anticipated Date of Publication	- As a monograph, April, 1974.
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K - Careers

Name of Institution	- Department of History, Chancellor College, University of Malawi.
Title of Project	- THE CONTRIBUTION OF THE UNIVERSITIES MISSION TO CENTRAL AFRICA (U.M.C.A.) IN THE FIELD OF MALAWIAN EDUCATION See B 7
Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- STUDENT PROBLEM INVENTORY (SPI) FORM S See C 20
Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- STUDY HABITS INVENTORY (SHI) FORM S See C 21
Name of Institution	- Department and Institute of Education, University of Ibadan, Nigeria.
Title of Project	- MOTIVATION FOR OCCUPATIONAL PREFERENCE SCALE (MOPS) See C 22
5. Name of Institution	- Centre for West African Studies, Birmingham University, Britain.
Title of Project	- SOCIAL CORRELATES OF SUCCESS IN GHANAIAN SECONDARY SCHOOLS
Names of Persons and Designations	- <u>Dr. M. Peil</u> - Lecturer in Sociology, CWAS; <u>J. Bibby</u> - Lecturer in Statistics at St. Andrews University.
Aim/Description	- An examination of the varying success of students in Ordinary Level GCE examinations, according to the type of school attended (high and low quality state schools and private schools), parental education and occupation, rural and urban origin, age and assessment of their own ability.
Date of Commencement	- 1968.
Expected Date of Completion	- Mid. 1971.
Source of Finance	- None.
Method of Publication	- Journal article.

K - Careers

6.	Name of Institution	- Queen Elizabeth House, Oxford.
	Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEMS
	Name of Person	- <u>Dr. Archibald Callaway.</u>
	Main Aim of Project	- To discover how more employment can be generated and how related training can be provided for Nigeria's unemployed school leavers and other youth, in urban and rural areas, within the context of priorities of national development.
	Description	- Methods of research have included surveys, sample surveys, and case studies.
	Expected Date of Completion	- 1972.
	Source of Finance	- Bernard van Leer Foundation.
	Method and Anticipated Date of Publication	- A number of publications have appeared as articles and reports; others will be published by NISER, University of Ibadan, Nigeria in monograph and occasional paper series in 1971 and 1972. A volume is also being prepared.
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7.	Name of Institution	- Department of International Economic Studies, University of Glasgow.
	Title of Project	- SECONDARY SCHOOL AND UNIVERSITY LEAVERS AND THE LABOUR MARKET - KENYA
	Name of Person	- <u>J. Anderson.</u>
	Main Aim of Project	- Labour market and career preferences studied.
	Expected Date of Completion	- 1971.
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	Name of Institution	- University of London Institute of Education and Higher Education Research Unit, London School of Economics, Britain.
	Title of Project	- POST-MORTEM OF MANPOWER FORECASTS See A 9
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L - THE TEACHING PROFESSION

Professional status; conditions of work; social status; values and image; competence; migration; rating, recruitment and retention.

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| 1. | Name of Institution | - University of Papua and New Guinea. |
| | Title of Project | - STATUS OF TEACHERS WORKING UNDER LOCAL CONDITIONS OF SERVICE |
| | 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 teachers, together with their recruitment and selection, pre- and in-service training, status (economic, social, educational and professional), rights and responsibilities before the enactment of the Education (Papua and New Guinea) Ordinance, 1970. |
| | Date of Commencement | - April, 1969. |
| | Date of Completion | - June, 1970. |
| | Method and Date of Publication | - A paper, presented to Section 22, 42nd Congress of ANZAS, August, 1970. |
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| | Name of Institution | - Department of Education, Banaras Hindu University, Varanasi, India. |
| | Title of Project | - DEVELOPMENT OF A TEACHER ATTITUDE INVENTORY AND A STUDY OF CHANGE IN PROFESSIONAL ATTITUDES OF STUDENT TEACHERS
See G 2 |
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|----|--------------------------------|--|
| 2. | Name of Institution | - University of Lagos College of Education, Lagos, Nigeria. |
| | Title of Project | - AN INVESTIGATION OF THE PROFESSIONAL ATTITUDES OF LAGOS PRIMARY SCHOOL TEACHERS |
| | Name of Person and Designation | - <u>Emmanuel O. Fagbongbe</u> - Lecturer in Education. |
| | Main Aim of Project | - To investigate and examine the nature and the extent of, as well as the reasons for, the increasing part-time remunerative commitments of Lagos primary school teachers and the bearing these commitments have on the professional productivity of the teachers. |

L - The Teaching Profession

Description	<ul style="list-style-type: none"> - Questionnaires about educational, social, cultural and economic backgrounds as well as details of part-time commitments have been sent to about 400 primary school teachers, representative of public-maintained and privately-owned schools of the various educational agencies in the Lagos area. About 250 teachers have, so far, returned their questionnaires. <p>A selected number of these teachers have been visited, as they performed their part-time duties, with a view to ascertaining the degrees of their involvement. This is now being followed by informal visits while these teachers are at work in their schools in order to assess the extent to which their part-time commitments affect their efficiency as classroom teachers. Devices for carrying out the assessment include:</p> <ul style="list-style-type: none"> i) informal observation of the teacher at classroom teaching, bearing in mind all the essentials of good teaching; ii) examining pupils' class written work as well as results of internal and external examinations; iii) studying the involvement of the teacher in relevant extra-curricular activities of the school; and iv) a possible use of older and mature pupils' assessments of the performances of their teachers.
Date of Commencement	- February, 1970.
Expected Date of Completion	- December, 1971.
Source of Finance	- University of Lagos Central Research Fund.
Method of Publication	- Report to be submitted to the University Central Research Committee and copies sent to educational agencies and teachers' professional organisations in the Lagos area.

3. Name of Institution	- University of Lagos College of Education, Lagos, Nigeria.
Title of Project	- HOW STUDENTS AT COLLEGES OF EDUCATION VIEW THEIR TEACHERS AND EVALUATE THEIR TEACHING
Name of Person and Designation	- <u>Dr. Moses S. Olayinka</u> - Lecturer in Education.

L - The Teaching Profession

Main Aim of Project	- The project aims at identifying the characteristics and qualities of teachers which are perceived by the pupils, and which foster effective, or non-effective, teacher-pupil relationship. The identification of teacher characteristics and qualities will serve as a guide to teachers in the field as well as students in teachers' colleges.
Description	- The project involves 160 students (115 male and 45 female adult students). In Questionnaire A, the students are told to reflect on their past and present teachers and choose one who best represents the teacher they like best. In Questionnaire B, they are told to choose another teacher who they like least. Responses from the students will be codified into psychological concepts relating to qualities liked best and qualities liked least in teachers.
Date of Commencement	- January, 1971.
Expected Date of Completion	- May, 1971.
Anticipated Date of Publication	- Soon after completion.
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Name of Institution	- Institute of Commonwealth Studies, University of London, Britain.
Title of Project	- THE NATURE AND SIGNIFICANCE OF PROFESSIONAL LINKS IN THE COMMONWEALTH See R 13
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4. Name of Institution	- Department of Education, University College of Swansea, Britain.
Title of Project	- THE EDUCATION, TRAINING AND STATUS OF THE TEACHING PROFESSION IN GHANA
Name of Person	- <u>Alun Rhys Williams.</u>
Main Aim of Project	- The main aim is to trace the changes historically and arrive at an assessment of the present position. From this basis it may prove possible to make suggestions for the future.
Date of Commencement	- October, 1969.
Expected Date of Completion	- 1973.

L - The Teaching Profession

Source of Finance - Privately financed.

Method of Publication - Ph.D. thesis.

Name of Institution - Department of Adult Education, Ontario
Institute for Studies in Education, Canada.

Title of Project - INTERNATIONAL CERTIFICATE IN ADULT
EDUCATION: A FEASIBILITY STUDY
See M 10

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

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

Name of Institution	- University of Papua and New Guinea.
Title of Project	- UNIVERSITY EXTENSION LECTURE SERIES See F 9
Name of Institution	- University of Papua and New Guinea.
Title of Project	- ASSESSMENT OF TEACHING AND LEARNING MATERIALS See I 2
1. Name of Institution	- Central Institute of Education, University of Delhi, India.
Title of Project	- AN APPRAISAL OF THE TRAINING PROGRAMME FOR SOCIAL EDUCATION WORKERS IN INDIA
Name of Person and Designation	- <u>Dr. N.A. Ansari</u> - Deputy Director.
Main Aim of Project	- The study was designed to answer the under-mentioned questions. (a) What were the different training programmes for social education workers at various levels, and their main aims and objectives? (b) What were the different aspects of the training programmes and what was their respective shares of time and emphasis in the total programme? (c) What was the general impact of the training programme? (d) How could the effectiveness of existing training programmes be improved, and what modifications would be necessary?
Description	- The present study was an all-India study dealing with various aspects of the training programmes organised for social education workers at different levels, covering the period 1953-66.

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

Data were collected from the following sources.

- (a) The training centres for training social education workers at the district and block levels.
- (b) Principals/directors of training centres mentioned under (a) above.
- (c) Officers-in-charge of social education in the central ministries and departments of states and union territories.
- (d) Ex-trainees of the training centres mentioned under (a) above.

The population of the study consisted of training centres (19), officers-in-charge of social education and allied fields in the central ministries (6), and ex-trainees of the training centres for district and block level social education workers (2,199). The sample selected consisted of 100% of training centres and central and state level officers and 10% of the ex-trainees.

Data, both quantitative and qualitative, related to the particulars of the training centres, objectives of the training programmes of the trainees, planning of the training programmes, main aspects of the training programmes, syllabuses, methods and material of training, particulars about the trainees and the instructional staff, inter-personal contacts at the training centres, inter-relationships between the training centres, the nearby development blocks and the state, follow-up of ex-trainees, general assessment of the training programmes, and possible ways of improving them further.

Data were collected through questionnaires, interviews, study of records and observations.

Date of Commencement	- August, 1963.
Anticipated Date of Publication	- The summary of the findings is expected to be published by the end of 1971.
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2. Name of Institution	- Faculty of Education, University of Nairobi, Kenya.
Title of Project	- ADULT EDUCATION IN SOUTH NYANZA

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

Name of Person and Designation	- <u>John Nyagado Okach</u> - Lecturer.
Main Aim of Project	- To discover an approach to rural adult education.
Description	- To discover problems which face rural adult educators - a socio-economic approach.
Date of Commencement	- September, 1969.
Expected Date of Completion	- July, 1972.
Source of Finance	- University of Nairobi.
Method of Publication	- A Ph.D. thesis - not sure about publication.

3.

Name of Institution	- Makerere Institute for Social Research, Kampala, Uganda.
Title of Project	- UGANDA YOUTH SURVEY
Names of Persons and Designations	- <u>Dr. S.G. Weeks</u> - Senior Resident Fellow, Makerere University; <u>Miss T. Wallace</u> .
Main Aims of Project	- The literature concerning youth and the many conferences devoted to youth problems reiterate a theme of frustrated youth as the source of future political and social turmoil in the new nations of Africa. The studies of education and social change that focus on school leavers, though useful, give a faulty impression of youth at large because they ignore non-schooled or little-schooled young people - a significantly large group in most African countries. As yet, no one comprehensive study of youth as a whole has been undertaken in an African nation. It is this gap the Uganda Survey seeks to fill.
Description	- To understand the total picture of youth in present-day Uganda, we will also look at: (1) youth in both an urban and a rural area and youth in the rural-urban network, the factors that influence some youth to leave the rural community and others to stay, the challenge of rural development, the adaptation of youth to urban life; (2) the differences between educated and non- or little-schooled youth, especially the informal patterns of learning and skill acquisition that young people have

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

found to facilitate their social mobility and ability to integrate into modern Uganda;

- (3) the different experiences and life-styles of young people;
- (4) the work situation, the ways youths look for jobs, the types of job they seek, how their aspirations change over time, the effects of unemployment, informal patterns of employment, the perceptions of youth regarding educational and occupational opportunities;
- (5) the factors that facilitate or block a "modern" outlook on the part of youth, the differences between parents and their children, the directions of youth's ideas, and so forth.

The survey derives its research patterns from a pilot project which has been carried out in a rural area about twelve miles from Kampala. This project has demonstrated that a wider youth survey is possible. Thus far, we have completed (a) a thorough demographic survey of the village (approximately one hundred and fifty families) through which present youth, and youth who have migrated from the village, have been identified, (b) interviews with young people covering the subjects listed above, and (c) development of a questionnaire to be pre-tested in other locations before applying it in the village and elsewhere. The questionnaire will determine family backgrounds, educational backgrounds, past and present educational and occupational aspirations, mobility patterns, personal satisfactions and dissatisfactions, uses of time, friendship patterns, relations with parents and adults, occupational histories, involvements in agricultural and rural development, experiences with and perceptions of youth programmes, economics of youth, whom youth will take advice from, socialisation, and a series of attitude questions which will be compared with adult responses.

The phases of the expanded Uganda Youth Survey, an outgrowth of the

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

earlier project, include (A) location of three villages outside Arua, Kampala and Mbale, at least eight miles from town so that daily commuting is a bit expensive and a decision must be made concerning rural or urban residence; (B) a demographic survey of all households (at least four hundred) to identify the youth of the villages; (C) administration of a questionnaire to a random sample of the villages' adults (for comparisons with youth); (D) administration of a questionnaire to available youth from the villages (both in the villages and elsewhere); (E) preliminary analysis of the data; (F) follow-up study and final analysis of data; and (G) writing up the project results.

A number of Makerere University sociology students have been working on the Uganda Youth Survey, and youth from the three areas where research has been going on have also joined in the project.

Field work has been carried out mainly during the Makerere vacations, March to June, with a follow-up in 1971. A workshop was held at the end of June, 1970.

Date of Commencement	-	1970.
Expected Date of Completion	-	1971.
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Name of Institution	-	Department of Education, Makerere University, Kampala, Uganda.
Title of Project	-	EDUCATION FOR RURAL DEVELOPMENT See R 8
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4. Name of Institution	-	Adult Education & General Extension Services Unit, Ahmadu Bello University, Zaria, Nigeria.
Title of Project	-	ON-GOING STUDY OF TRADITIONAL FORMS OF ADULT EDUCATION IN AFRICA, ESPECIALLY ZAMBIA AND NIGERIA
Name of Person and Designation	-	<u>Miss Lalage Bown</u> - Professor of Adult Education and Chief Extension Co-ordinator.
Main Aim of Project	-	To investigate how far modern adult education work can be done through traditional agencies and means.

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

Description	- Study of main anthropological literature and historical sources; field enquiry.
Source of Finance	- No special funds needed at present.
Methods of Publication	- Initially in article form. Some preliminary comments have been published in Jolly (ed), <u>Education in Africa: Research and Action</u> , Nairobi, E.A.P.H., 1969 (paper on the education of adults in African societies), and in Lowe (ed) <u>Adult Education and Nation-Building</u> , Edinburgh University Press, 1970 (paper on Zambia).
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5. Name of Institution	- Adult Education & General Extension Services Unit, Ahmadu Bello University, Zaria, Nigeria.
Title of Project	- EVALUATION OF UNIVERSITY'S TELEVISION PROGRAMMES FOR ADULT EDUCATION
Name of Person and Designation	- <u>Dr. G. Salama</u> - Senior Lecturer.
Main Aim of Project	- To improve quality and impact of the university's TV programmes.
Description	- Audience research by random sampling in main viewing communities in Zaria, Kaduna and Kano.
Date of Commencement	- 1971.
Expected Date of Completion	- 1972.
Source of Finance	- Unit's own funds.
Method and Anticipated Date of Publication	- Initial report to university in 1972, possible subsequent article publication.
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6. Name of Institution	- Adult Education & General Extension Services Unit, Ahmadu Bello University, Zaria, Nigeria.
Title of Project	- INQUIRY INTO POSSIBILITIES OF FUNCTIONAL LITERACY BY TELEVISION
Name of Person and Designation	- <u>Dr. G. Salama</u> - Senior Lecturer.
Main Aim of Project	- To provide a pilot project for the benefit of the Northern States' literacy workers.
Description	- Literacy programmes for farmers in area round Zaria.

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

Date of Commencement	- 1972.
Expected Date of Completion	- The research worker may have left the unit before he can complete this work; it will then be taken up by another member of staff. For this reason, completion date is uncertain at present .
Source of Finance	- Unit's own funds.
Method of Publication	- Indefinite - probably through Nigerian National Council for Adult Education.
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7. Name of Institution	- Faculty of Education, University of Ife, Ile-Ife, Nigeria.
Title of Project	- A STUDY OF SCIENTIFIC CONCEPTS OF SELECTED NON-LITERATE ADULTS IN THE WESTERN STATE OF NIGERIA
Names of Persons and Designations	- <u>Professor A. Babs Fafunwa</u> - Dean and Professor of Education, Faculty of Education, University of Ife; <u>J.A. Adeyinka</u> - Graduate Assistant; <u>A.A. Taiwo</u> - Graduate Assistant.
Main Aim of Project	- This is two-fold, viz. i) need to ascertain parental, neighbourhood and other pre-school and non-school factors that impinge on the average school-going child in the learning, understanding and application of scientific concepts; and ii) to measure the non-literate adult understanding of the scientific bases of natural phenomena.
Description	- The origin of the project can be traced to the setting of some research strategies e.g. the outline and the questionnaire. The research outline spelt out the magnitude of the task involved in the survey. The construction of a research instrument took into consideration a spectrum of common natural phenomena, e.g. rain, thunder, lightning, rainbows, etc. In validating the research instrument, two "try-outs" were carried out . A number of non-literate adults in Ile-Ife were subjected to the instrument. And, on the basis of statistical analysis of their responses, the instrument was modified. The modified instrument comprising, forty question-item, was applied on ninety-eight randomly selected non-literate adults of Ijebu and Ekiti divisions of the Western State

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

of Nigeria. Amongst other things, the item-analysis of the question-items reveals that the modified instrument is sufficiently discriminatory.

It is hoped that this modified instrument will be "used" on about 2,000 randomly selected non-literate adults from the five major sub-ethnic groups in the Western State of Nigeria during the summer vacation. Further work on this project will entail the training of a number of research assistants as field workers. And efforts will be made to find out whether there are significant differences in the responses of the subjects in relation to sex, geographical location (rural and urban), occupation and age-group.

Data will be analysed with the aid of the University of Ife Computer Centre.

Date of Commencement	- September, 1969.
Expected Date of Completion	- September, 1972.
Source of Finance	- Research Grant, University of Ife, Ile-Ife, Nigeria.
Method of Publication	- Through publication in an educational journal, in due course.
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Name of Institution	- Queen Elizabeth House, Oxford, Britain.
Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEMS See K 6
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8. Name of Institution	- Department of Educational Studies, University of Edinburgh, Britain.
Title of Project	- ADULT EDUCATION IN THE DEVELOPMENT OF AFRICAN RURAL AREAS IN RHODESIA, WITH SPECIAL REFERENCE TO THE PROBLEMS OF ADULT LEARNING AND METHODOLOGY
Name of Person	- <u>D.D. Russell.</u>
Description	- This project is in three stages. The first stage is an exploratory field study, involving the classification and description of problems of communication in African rural adult education in Rhodesia, as perceived by a sample of experienced rural adult educators. The second stage entails the use of the field study data in the development of a model, based on

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

		communication theory, for the analysis of communication effects in development-oriented African rural adult education. The final stage examines the validity of aspects of the model, which will be tested in a number of field experiments.
Date of Commencement	-	October, 1970.
Expected Date of Completion	-	June, 1973.
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9.	Name of Institution	- Department of Adult Education, Ontario Institute for Studies in Education, Toronto, Canada.
	Title of Project	- THE LEARNING PROJECTS OF ACCRA ADULTS
	Name of Person and Designation	- <u>L.O. Denys</u> - Doctoral Candidate at O.I.S.E., Toronto, Canada.
	Main Aim of Project	- An analysis of the deliberate, sustained learning efforts (which may be termed learning projects) of a stratified sample of Accra adults.
	Description	- A stratified random sample of adults, consisting of five or six sub-groups of appropriate size, and representing different socio-economic strata, will be selected from the greater Accra area. The method will be in-depth interview using interview schedules, probe lists and tape recorder. Inspection of the data will yield a suitable minimum time limit for learning projects in Accra. The following questions will also be answered; what is the number of learning projects attempted by each individual during the prior 12 month period; what is the average number of learning projects for sub-groups and for the total stratified sample; what is the average total number of hours? Projects will be classified according to agent of direction: self, group or object. The learning resources of each category of planner will be established. The content of the learning project will be described. It will also be established whether learning projects are undertaken for academic credit or for some other reason.
	Date of Commence	- January, 1972.
	Expected Date of Completion	- Christmas, 1972.

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

Source of Finance	- Presently under consideration - possibly IDRC (International Development Research Centre, Ottawa) - to be confirmed.
Method and Anticipated Date of Publication	- Ph.D. thesis,1973.
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10. Name of Institution	- Department of Adult Education, Ontario Institute for Studies in Education, Canada.
Title of Project	- INTERNATIONAL CERTIFICATE IN ADULT EDUCATION: A FEASIBILITY STUDY
Name of Person and Designation	- <u>Dr. James A. Draper</u> - Project Director, and Associate Professor.
Main Aim of Project	- The main purpose of the project will be to explore the possibilities of the Ontario Institute for Studies in Education becoming involved in a partnership arrangement with a university in a developing country in implementing a certificate programme in adult education.
Description	- Unofficially, staff members at the University of the West Indies, Barbados Campus, and the Department of Adult Education at OISE have mutually agreed to explore the possibility of the two universities collaborating to offer a certificate in adult education. Part of the exploration will be to assess some of the adult education leadership needs required in Barbados and elsewhere in the Caribbean. At the same time, the available resources needed for a training programme will be explored both at OISE and at the University of the West Indies. The outcome of the programme will be a curriculum recommendation for implementing such a certificate programme. It is likely that the training will take place both in the Caribbean as well as at OISE in Canada. The intention of the curriculum would be to train local adult education leaders. It is expected that the curriculum outline and the experiences in developing it, and possibly implementing it, will be of interest to other developing countries in the Commonwealth.
Date of Commencement	- July, 1971.
Expected Date of Completion	- June, 1972.
Source of Finance	- Ontario Institute for Studies in Education.
Method and Anticipated Date of Publication	- The method of collecting data will be to interview members of the University of the

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

West Indies, government officials in Barbados, and other persons in leadership positions in the Caribbean. At the same time interviews will be conducted at OISE. A review of the documents in the Caribbean which comment on the need for adult education leadership will also be conducted. The anticipated date of publication is June, 1972.

Name of Institution	- Ontario Institute for Studies in Education, Toronto, Canada.
Title of Project	- TESTING GENERAL ENGLISH PROFICIENCY AMONG ADULTS IN IN-SERVICE TRAINING SITUATIONS IN ACCRA, GHANA See C 24

N - SPECIAL EDUCATION

Education of the handicapped and the educationally sub-normal.

1.	Name of Institution	- Hong Kong Association for Mentally Handicapped Children & Young Persons, Hong Kong.
	Title of Project	- A STUDY OF ATTITUDES TOWARDS THE MODERATELY RETARDED CHILD IN A FAMILY
	Names of Persons and Designations	- <u>F.C. Tang</u> - Principal, Lions Morninghill School (Special School); <u>M. Yeung</u> - Senior Mistress, Lions Morninghill School.
	Main Aim of Project	- To study attitudes of the family towards the moderately retarded child, and to suggest their implications for educational planning in Hong Kong.
	Description	- Abstracts and bibliography of selected literature will be provided. A questionnaire will be made to study attitudes of members of the families of moderately retarded children. A total of 250 moderately retarded children, some attending training centres and some still on the waiting lists, will be included in the study.
	Date of Commencement	- December, 1971.
	Expected Date of Completion	- December, 1973.
	Source of Finance	- Not known yet.
	Method and Anticipated Date of Publication	- The research report will be published on completion of the project, and copies of the report will be circulated to organisations concerned.

	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 1

N - Special Education

2. Names of Institutions - Department of Education in Tropical Areas, Institute of Education, University of London, Britain; Commonwealth Secretariat. Marlborough House, London, Britain.
- Title of Project - A STUDY OF SPECIAL EDUCATION IN THE LOW-INCOME COUNTRIES OF THE COMMONWEALTH.
- Name of Person and Designation - J.H. Eedle - Senior Education Officer, Commonwealth Secretariat.
- Main Aim of Project - To assemble information relating to origins, incidences and manifestations of handicap amongst children in the low-income countries of the Commonwealth, and to suggest educational structures for these children which may be feasible, in the light of existing political, social and economic conditions.
- Date of Commencement - 1969.
- Date of Completion - 1971.
- Method and Dates of Publication - A Directory of Educational Provision for Handicapped Children in Developing Commonwealth Countries was published by the Commonwealth Secretariat in May, 1971. The remainder of the study, incorporating a revised version of the Directory, may be published by the Secretariat in 1972.
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O - AGRICULTURAL EDUCATION

1. Name of Institution - Institute for Development Studies,
University of Nairobi, Kenya.
- Title of Project - HUMAN RESOURCES AND TECHNICAL
SKILLS IN AFRICAN AGRICULTURE:
AN ECONOMIC APPRAISAL OF
EDUCATIVE INPUTS IN KENYA'S SMALL
FARM SECTOR
- Name of Person and Designation - Peter N. Hopcraft - Research Fellow.
- Main Aim of Project - To investigate the returns of formal and
non-formal educative inputs, as they effect
agricultural productivity.
- Description - Detailed input output data have been collected
over the period of a year from a large
sample of small farms. Information as to
the exposure of the farmer to the various
forms of formal and non-formal education,
training and extension activity has also
been gathered. The object of the analysis
is to identify the extent to which these
latter factors explain differences in farm
performance.
- Date of Commencement - January, 1970.
- Expected Date of Completion - Early 1972.
- Sources of Finance - Rockefeller Foundation, and the University
of Nairobi.
- Method of Publication - Dissertation, Stanford University.
-
- Name of Institution - Department of History, Chancellor College,
University of Malawi.
- Title of Project - THE CONTRIBUTION OF THE UNIVERSI-
TIES MISSION TO CENTRAL AFRICA
(U.M.C.A.) IN THE FIELD OF MALAWIAN
EDUCATION
- See B 7
-
2. Name of Institution - Project Planning Centre for Developing
Countries, University of Bradford, Britain.

O - Agricultural Education

Title of Project	- COST BENEFIT ANALYSIS TECHNIQUES FOR EVALUATION OF ALTERNATIVE AGRICULTURAL EXTENSION AND TRAINING PROGRAMMES IN LESS DEVELOPED COUNTRIES
Name of Person and Designation	- <u>F.A. Wilson</u> - Lecturer.
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Name of Institution	- Queen Elizabeth House, Oxford, Britain.
Title of Project	- SCHOOL LEAVERS AND THEIR EMPLOYMENT PROBLEMS See K 6
<hr/>	
3. Name of Institution	- Department of Educational Studies, University of Edinburgh, Britain.
Title of Project	- AGRICULTURAL EDUCATION AND TRAINING AT THE SUB-UNIVERSITY LEVEL IN NIGERIA, WITH SPECIAL REFERENCE TO THE WESTERN STATE OF NIGERIA
Name of Person	- <u>D.O.O. Adeosun</u> .
Description	- To review the development of agricultural education and training in Nigeria. This will provide an assessment of the adequacy of its provision in the light of manpower requirements, especially at the intermediate cadre level of the extension/ advisory, and other related services.
Date of Commencement	- October, 1970.
Expected Date of Completion	- June, 1972.
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P. TECHNICAL EDUCATION

Name of Institution - University of Papua and New Guinea.
Title of Project - ASSESSMENT OF TEACHING AND LEARNING MATERIALS
See I 2

Name of Institution - University of Papua and New Guinea.
Title of Project - THE CONCEPTUAL AND COGNITIVE ASPECTS OF SCIENCE TEACHING AND LEARNING FOR STUDENTS FROM NON-WESTERN CULTURAL BACKGROUNDS
See F 2

1. Name of Institution - Audio-Visual Aids Centre, National Institute of Education, Makerere University, Kampala, Uganda.
Title of Project - AUDIO-VISUAL AIDS TECHNICAL SERVICES
Name of Person and Designation - Charles A. Pratt - Co-ordinator.
Description - (a) "Lets Make it Work." December, 1969. A report designed to focus attention on the high rate of unservicability of equipment in developing countries, and the need for planning and action to reduce the incidence of breakdown.
Recommendations are made to this end, including the training of technicians to provide the skilled manpower to meet foreseeable needs.
Reprinted under the title "Audio-Visual Technical Services: Some Problems and Suggested Solutions," OVAC Journal, October, 1970.
(b) "1971 Assistant Audio-Visual Aids Technicians Prospectus". Details of the second nine month, full-time course for training A - V technicians for the certificate of the East African Examination Council. While not in one sense 'research', it does contain a good deal of original work based on a 1970 pilot course, and is the only course of its kind in English-speaking Africa.

P - Technical Education

(c) "The Assessment of Audio-Visual Aids Technicians".

A report on the 1970 pilot course for technicians at Kampala with detailed analysis of phased assessment of practical work and final written papers in related science and A-V technology.

The aim of the report is two-fold, to record our initial experience of running the first course of its kind in English-speaking Africa, for the benefit of those setting up similar courses, and, noting that we cannot afford to have 'failures' in a developing country, to foster the idea of 'phased assessment' and to show that it can be used as a 'tool for teaching' as well as of assessment.

All three publications are produced as part of the normal output of the Centre.

Sources of Finance - The Nuffield Foundation, The Carnegie Corporation of New York and Institute funds.

Method of Publication - All reports duplicated and available.

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2. Name of Institution - School of Education, University of Zambia.
- Title of Project - ADAPTATION TO TECHNICAL MODERNISATION IN ZAMBIA
- Name of Person and Designation - Dr. Ansu K. Datta - UNESCO expert in Educational Sociology.
- Main Aim of Project - To find out the extent to which young skilled workers in Zambia are adjusted to the demands of modern factory work, to study the nature of such technological modernisation, and to identify the background factors (including technical training) responsible for successful adaptation.
- Description - The project included several levels of enquiry. First, the literature on the subject was surveyed for background information and clues to fruitful lines of enquiry. This was followed by an attempt to consider the issues from the angle of planners and administrators of technical training. Thereafter, a sample of five

P - Technical Education

work-plants in and around Lusaka were selected. In each of these places, information about adaptation to modern technical work was collected from a sample of workers, below and above the average level. The whole investigation was completed by visiting the rural communities from which some of these workers came, and by obtaining more detailed facts on their early environments and experiences, changes in the patterns of infant care, structures of communities, equipment in homes, and educational and occupational differences by generation.

Date of Commencement - March, 1970.

Expected Date of Completion - Late 1971.

Source of Finance - UNICEF.

Method and Anticipated Date of Publication - The UNRISD is at present preparing a comprehensive general report on Mexico, Tunisia, India, Iran, the Philippines and Zambia. The Zambian study is being revised for publication as a separate monograph, probably in 1972.

Name of Institution - University of London Institute of Education and Higher Education Research Unit, London School of Economics, Britain.

Title of Project - POST-MORTEM OF MANPOWER FORECASTS

See A 9

Q. HIGHER EDUCATION

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|--------------------------------|---|
| 1. Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - LEARNING IN SMALL GROUPS AT THE TERTIARY LEVEL |
| Name of Person and Designation | - <u>Dr. J.P. Powell</u> - Senior Lecturer in Education. |
| Main Aim of Project | - To investigate group processes in learning situations. |
| Description | - Tape-recordings of leaderless and tutorial groups, analysis of: particular rates, content of communications, tutor and student opinions on methods. |
| Date of Commencement | - February, 1971. |
| Date of Completion | - February, 1972. |
| Source of Finance | - Australian Vice-Chancellors' Committee. |
| Method of Publication | - Report to Australian Vice-Chancellors' Committee. |
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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - THE CONCEPTUAL AND COGNITIVE ASPECTS OF SCIENCE TEACHING AND LEARNING FOR STUDENTS FROM NON-WESTERN CULTURAL BACKGROUNDS |
| | See F 2 |
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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - A RECORD OF A WEEK IN THE ACADEMIC LIFE OF A PRELIMINARY YEAR STUDENT I, II, III AND IV |
| | See F 6 |
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| Name of Institution | - University of Papua and New Guinea. |
| Title of Project | - THE DEVELOPMENT OF INSTRUMENTS FOR USE DURING TEACHING PRACTICE |
| | See F 7 |
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Q - Higher Education

Name of Institution	-	University of Papua and New Guinea.
Title of Project	-	UNIVERSITY EXTENSION LECTURE SERIES
		See F 9
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2. Name of Institution	-	Department of Education, University of Hong Kong.
Title of Project	-	UNIVERSITY TEACHING
Name of Person	-	<u>Dr. Norman K. Henderson.</u>
Description	-	A systematic study of all forms of teaching and examining used in universities, with recommendations on the findings of modern research. Topics include analyses of the natures 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, tutorials and their organisation, seminars, committee methods, case-studies and other "adult" teaching techniques, practical sessions including demonstrations and laboratory work, field excursions and clinical practice, project 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 programmes, how to help students learn and remember, and examining and evaluating students' work.
Date of Commencement	-	January, 1968.
Date of Completion	-	1969.
Method and Anticipated Date of Publication	-	1st edition published 1969; 2nd edition to be published 1971 , Hong Kong University Press (in collaboration with the Oxford University Press).
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Q - Higher Education

Name of Institution	- Department of Education, Makerere University, Kampala, Uganda.
Title of Project	- UNIVERSITY PLANNING AND DEVELOPMENT WITHIN THE CONTEXT OF EDUCATIONAL DEVELOPMENT See A 6
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Name of Institution	- Department of History, Chancellor College, University of Malawi.
Title of Project	- THE CONTRIBUTION OF THE UNIVERSITIES MISSION TO CENTRAL AFRICA (U.M.C.A.) IN THE FIELD OF MALAWIAN EDUCATION See B 7
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Name of Institution	- University of London Institute of Education and Higher Education Research Unit, London School of Economics, Britain.
Title of Project	- POST-MORTEM OF MANPOWER FORECASTS See A 9
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Name of Institution	- Institute of Commonwealth Studies, University of London, Britain.
Title of Project	- THE NATURE AND SIGNIFICANCE OF PROFESSIONAL LINKS IN THE COMMONWEALTH See R 13
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3. Name of Institution	- Department of Government, University of Manchester, Britain.
Title of Project	- THE UNIVERSITY OF EAST AFRICA AS A POLITICAL INSTITUTION - PROBLEMS OF INSTITUTIONAL TRANSFER
Name of Person and Designation	- <u>J.D. Chick</u> - Lecturer.
Expected Date of Completion	- 1971.
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R - OTHERS

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| 1. | Name of Institution | - | Centre for Advancement of Teaching,
Macquarie University, Australia. |
| | Title of Project | - | COLLECTION AND CLASSIFICATION OF
EDUCATIONAL DOCUMENTS RELATING
TO DEVELOPING COUNTRIES |
| | Name of Person and
Designation | - | <u>Dr. G.R. Meyer</u> - Director, Centre for
Advancement of Teaching. |
| | Main Aim of Project | - | To provide up to date classified literature
relevant to education in developing countries
throughout the world, as a resource for
research workers in developmental projects,
and to provide background information for
people producing educational materials for
developing countries. |
| | Description | - | The exchange of educational documents with
Ministries of Education and educational
institutions in the developing countries of
the world. The systematic classification,
library housing and storage of materials.
From time to time bibliographical listings
and abstraction of the literature. Projected
publication of a newsletter, but date of
commencement of this uncertain. |
| | Date of Commencement | - | June, 1967. |
| | Expected Date of
Completion | - | Indefinite. |
| | Source of Finance | - | Recurrent funds of Macquarie University's
Centre for Advancement of Teaching. |
| | Method and Anticipated
Date of Publication | - | Irregular release of bibliographies and
reviews in various publications of the
Centre for Advancement of Teaching. All
materials stored for reference in the main
Library of Macquarie University. |
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- | | | | |
|----|--------------------------------------|---|---|
| 2. | Name of Institution | - | School of Education, The Chinese
University of Hong Kong. |
| | Title of Project | - | PROJECT ON SECONDARY EDUCATION
IN HONG KONG |
| | Names of Persons and
Designations | - | <u>Prof. C.T. Hu</u> - Project Director;
<u>H.M. Fung</u> - Research Associate;
<u>Dr. J.L. Ng</u> - Research Associate;
<u>P.M. Law</u> - Research Assistant;
<u>Miss L. Lam</u> - Research Assistant. |

R - Others

- Main Aim of Project
- The project is undertaken for the purposes of
 1. promoting scholarly research within the university with a view to strengthening its instructional programmes;
 2. training a group of research workers who may in the future take part in various types of related research activities in Hong Kong;
 3. conducting a comprehensive study of the current situation of Hong Kong secondary education, and
 4. seeking to clarify the socio-economic and cultural meaning of secondary education in contemporary Hong Kong society.

- Description
- The study will employ both "library" and "field" research methods. Through "library" research, the project hopes to identify, collect, organise, and present all essential and pertinent factual data on the secondary phase of education in Hong Kong today. The range of source material covered, however, will go considerably beyond mere facts and figures, laws and statutes, and rules and regulations. Official as well as private publications that have appeared in different forms in the past will be studied and selected so that appropriate interpretations may be offered for a better understanding of not only the factual side of secondary education but also the many social and cultural forces impinging on it.

Where published data are not available, attempts will be made to investigate certain aspects of secondary education through "field" research, using such techniques as interviewing, questionnaires, and school visits. In this connection, the project will collaborate with the Social Research Centre of the University and such academic departments as sociology and social work.

A tentative outline has been adopted by the research team, whose members realize both the magnitude of its scope and the unevenness of source materials available. They are convinced, at the same time, that a study of this kind should precede special research into any one or a series of related aspects of educational problems in Hong Kong which

R - Others

the Chinese University, hopefully, will undertake in the future.

Main topics of the tentative outline are as follows.

1. Historical survey of education in Hong Kong.
2. Secondary education in Hong Kong.
3. Secondary schools in operation.
4. Sociological analysis of secondary education in Hong Kong.

- Date of Commencement - September, 1970.
- Expected Date of Completion - February, 1973.
- Source of Finance - The Project is being funded with a grant of US\$61,000 made to the Chinese University of Hong Kong by the Carnegie Corporation of New York. The Chinese University is to provide the necessary facilities.
- Method and Anticipated Date of Publication - To be decided at a later date.

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3. Name of Institution - Department of Social Work and Social Administration, Makerere University, Kampala, Uganda.
- Title of Project - TRADITIONAL AND CONTEMPORARY SOCIAL SERVICES IN KOOKI
- Name of Person and Designation - Y.M.K. Gwayambadde - Lecturer and Tutor in Social Administration.
- Main Aim of Project - Obtain data on traditional social services, compare the development and establish the effectiveness of change on those services.

When this research has been accomplished, the publication will be of use as a source of information to both lecturers and students in sociology, education, social anthropology and social administration.

- Date of Commencement - 1969.
- Expected Date of Completion - 1971.

R - Others

Source of Finance - Partly by the Publications and Research Grants Committee, and partly by me.

Anticipated Date of Publication - 1971.

4. Name of Institution - Makerere Institute of Social Research, Makerere University, Kampala, Uganda.

Title of Project - THE ROLE OF MISSIONARY PRESSES IN THE EDUCATIONAL DEVELOPMENT OF UGANDA

Name of Person and Designation - Dr. Eugene de Benko - Research Associate, Education Department.

5. Name of Institution - Makerere Institute of Social Research, Makerere University, Kampala, Uganda.

Title of Project - AN URBAN PRIMARY SCHOOL: ITS CULTURAL DIMENSION ILLUSTRATED IN A UGANDAN CASE STUDY

Name of Person and Designation - Milton D. Jones - Research Associate, Sociology Department.

Description - This research, anthropological in its methodology and theoretical orientation, is concerned with describing and analysing one area of school and social system interaction which has in recent years received the attentions of social scientists, educators, and laymen: the role of the school in complex cultural settings, such as culturally plural urban areas. This study began in mid-October, 1970 and is being carried out in the Kibuli area of Kampala, Uganda. The specific primary school for research is the Kibuli Demonstration School, associated with the Kibuli Teacher Training College. It is anticipated that either a rural school or an urban school with different characteristics will be studied for comparative purposes.

Date of Commencement - October, 1970.

R - Others

6. Name of Institution - Makerere Institute of Social Research ,
Makerere University, Kampala, Uganda.
- Title of Project - INTRODUCING DIETARY PRACTICES:
THE EFFECT OF NUTRITION EDUCATION
- Names of Persons and Designations - J.C. Hoorweg - Research Fellow;
I. McDowell.
- Description - Nutrition education is an important aspect
of community development. Because of the
high incidence of kwashiorkor in many parts
of Uganda, considerable effort and money
are expended on various nutrition education
schemes. One such effort, Mwanamugimu
Clinic, has aroused considerable interest.
However, few evaluation studies of differing
approaches or supportive research have
been done. This study aims at evaluating
the effect of some selected education
programmes in relation to the social back-
ground of the 'students'.
- As most of the education programmes are
undertaken in Buganda, the majority of the
subjects will be Baganda, while the rural
communities will also be selected in
Buganda.
- Date of Commencement - January, 1971.
-

7. Name of Institution - Department of Education, Makerere
University, Kampala, Uganda.
- Title of Project - EDUCATION FOR RURAL
DEVELOPMENT
- Name of Person and Designation - A. Wandira - Professor and Head,
Department of Education.
- Main Aim of Project - To explore how educational programmes
can be used for rural development.
- Description - Case studies of two rural communities.
Their educational profiles. Possibilities
and constraints to development. Skills
and types of education required for
development. Existing extension services.
Design and implementation of co-ordinated
educational programmes aimed at increasing
production and stimulating development.
Evaluation and comparison of impact of
such programmes. Application to school

R - Others

		and adult education programmes.
Date of Commencement	-	March, 1971.
Expected Date of Completion	-	March, 1973.
Source of Finance	-	Probably Uganda National Research Council.
Method and Anticipated Date of Publication	-	As a book, date unknown as yet.
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Name of Institution	-	Department of History, Chancellor College, University of Malawi.
Title of Project	-	THE CONTRIBUTION OF THE UNIVERSITIES MISSION TO CENTRAL AFRICA (U.M.C.A.) IN THE FIELD OF MALAWIAN EDUCATION
		See B 7
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8. Name of Institution	-	College of Education, University of Lagos, Nigeria.
Title of Project	-	PROJECT QUEST IN HEALTH EDUCATION STUDIES - A study of the health needs, interests and problems of students in secondary schools, teacher training colleges, and universities in Nigeria.
Name of Person and Designation	-	<u>Dr. Zacchaeus A. Ademuwagun</u> - Health Education Specialist, Lecturer in Education.
<u>Study 1:</u>	-	<u>The Health Needs, Interests and Problems of Secondary School Students in Lagos State (Nigeria).</u> (Lagos State has only been used as a pilot state in this study).
Main Aim of Project	-	The aim of this study is to identify the the health needs and problems of secondary school students in Nigeria in order to provide baseline data for a relevant and meaningful health education programme for the students.
Description	-	500 students and 40 teachers from 20 secondary schools in Lagos State were involved in the study. Schools were randomly selected from urban and rural areas in order to have cross-section of

R - Others

socio-economic conditions and representative health needs and problems of the areas covered. Also, samples of selected schools included boys', girls', and co-educational institutions.

The expressed students' health needs and problems by students, teachers, principals and school health officers were used for analysis.

The instruments used in the study were questionnaires, interviews and observations.

- Date of Commencement - November, 1969.
- Date of Completion - February, 1971.
- Source of Finance - Central Research Committee, University of Lagos.
- Method and Anticipated Date of Publication - Already mimeographed. It is proposed that it should be published in a scholarly journal.
- Study 2: - The Health Needs, Interests and Problems of Students in Teacher Training Colleges in Lagos State (Nigeria). (Lagos State is only used as a pilot state in the study).
- Main Aim of Project - The aim of the study is to identify the health needs and problems of Nigerian students in the teacher training colleges, for the purpose of providing relevant baseline data for meaningful health education programme in the preparation of health education teachers as well as in helping the students to effectively solve their personal health problems.
- Description - The study covered 700 students from four of the five co-educational teacher training colleges in Lagos State. 30% of the students, randomly selected class by class, were covered in the study.
- The expressed students' health needs and problems by students, physical and health education tutors and principals were used for analysis. Questionnaires, interviews, study of records and observations were used as instruments of analysis.
- Date of Commencement - February, 1970.

R - Others

- Date of Completion - March, 1970.
- Source of Finance - Central Research Committee, University of Lagos.
- Method and Anticipated Date of Publication - Already mimeographed. It is proposed that it should be published in a scholarly journal.
- Study 3: - The Health Needs, Interests and Problems of the University of Lagos Students, Lagos, Nigeria (the University of Lagos is only used as a pilot university).
- Main Aim of Project - The aim of this study is fourfold:
- (a) To identify the health needs and problems of the students in Nigerian Universities in order to help them meet their health needs and solve their health problems.
 - (b) To make the students participate in identifying their health needs and problems which can ultimately be utilised to set realistic priorities, if and when the need arises for developing a health education programme for the students.
 - (c) To produce baseline data for developing a relevant health education curriculum for university students in Nigeria.
 - (d) To use the University of Lagos as a pilot university in this approach to health education in Nigeria.
- Description - The study was conducted among a random sample of three hundred of the 1,500 students then at the university. Each year and each sex were represented.
- The expressed and observed students' health needs and problems by the students and the University health service, medical and health staff, as well as a study of students' health records were used for analysis. Questionnaires and interviews were used as instruments of analysis.
- Date of Commencement - April, 1970.

R - Others

Date of Completion	- April, 1971.
Source of Finance	- Central Research Committee, University of Lagos.
Method and Anticipated Date of Publication	- Already mimeographed. It is hoped that it will be published in a scholarly journal.
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9. Name of Institution	- College of Education University of Lagos, Lagos, Nigeria.
Title of Project	- THE PROBLEM OF LEISURE AMONG THE YORUBA
Name of Person and Designation	- <u>C.O. Taiwo</u> - Professor of Education.
Main Aim of Project	- An investigation into the leisure-time practices of the Yoruba, with a view to education for leisure.
Description	- Emphasis is laid on the school curriculum and the extra-curricular activities aimed at preparing the children in Yoruba schools for spending their leisure profitably during and after school life.
Date of Commencement	- May, 1971.
Expected Date of Completion	- December, 1972.
Method and Anticipated Date of Publication	- December, 1972.
<hr/>	
10. Name of Institution	- Test Development and Research Office, West African Examinations Council, Lagos, Nigeria.
Title of Project	- NEW TEACHER REGISTRATION APPLICATION FORM FOR NIGERIAN FEDERAL MINISTRY OF EDUCATION
Names of Persons and Designations	- <u>Dr. A.I. Fiks</u> - Acting Head, Research Department; <u>Miss J.R. Arye</u> - Research Fellow.
Main Aim of Project	- Design of a form to be amenable to electronic data processing (EDP) of the information submitted.
Description	- Development of: prototype application form, code book for the various items of information and potential response alternatives, and

R - Others

punched card layout.

Date of Commencement	-	1970.
Expected Date of Completion	-	1971.
Source of Finance	-	US Agency for International Development.
Method and Anticipated Date of Publication	-	Report to Nigerian Federal Ministry of Education, 1971.
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11. Name of Institution	-	Institute of Education, University of Ibadan, Nigeria.
Title of Project	-	ENVIRONMENTAL STUDIES PROJECT
Name of Person and Designation	-	<u>J.W. Lieber</u> - Visiting Lecturer in Education.
Main Aim of Project	-	To provide a base for environmental research in education, medicine, and community development.
Description	-	<p>A Catalogue of Environmental Studies (1957-1970), <u>Ibo Village Communities</u>, and <u>Efik and Ibibio Villages</u>. In preparation for the press are three other volumes <u>Studies of Yoruba Villages</u>, <u>Mid-West Village Communities</u>, and <u>Miscellaneous Village Typologies of Nigeria</u>.</p> <p>Upon completion of the publications phase of the project in 1975, if the project were to continue without interruption, there would be available a compendium of 20 volumes (including the Catalogue and <u>The Development of Man in a Developing Society</u>) of descriptive material relating to the general theme of man and environment. These volumes can be categorised into four main groups and a summary volume.</p> <p><u>"Human Ecology and Education"</u> - 5 volumes dealing with conditions of life in village communities scattered almost everywhere in Nigeria.</p> <p><u>"Nigerian Culture Patterns"</u> three volumes devoted to the investigation of traditional culture patterns with specific reference to age-grouping analysis, initiation ceremonies, festivals, rituals and customs.</p> <p><u>"Studies of Nigerian Children"</u> will deal</p>

R - Others

primarily with the life of the Nigerian Child, relating his activities to his socio-economic background, and to the way he was reared in infancy. Other considerations are: patterns of child growth and development, an analysis of children's games, play and socialization procedures, culminating in a descriptive and statistical analysis of comparative case studies of normal, handi-capped, and exceptionally advanced children.

"Studies of Nigerian Education" will deal with Nigerian primary and secondary education generally and will consist of an analysis of the function and structure of Nigerian schools and to what extent these can contribute to national development. Other matters to be dealt with in these volumes relate to an analysis of the connection between the socio-economic background of school children and their scholastic achievement, as well as to an investigation of how and whether this need be modified by curricular reform.

The final volume of the series entitled The Development of Man in a Developing Society (in preparation) will consist of a summary and conclusions derived from an examination of the preceding material. It will conclude with a series of recommendations connected with the question of how the educational needs of Nigerian students can best be satisfied in relation to productive life work in an environment of rapidly accelerating change.

To help preserve records of indigenous cultures by the regular production of films, particularly in areas where traditional customs and practices are being threatened with extinction through impact with foreign influence.

Date of Commencement	-	October, 1968.
Sources of Finance	-	Institute of Education, University of Ibadan and Canadian International Development Agency.
<hr/>		
12. Name of Institution	-	Institute of Commonwealth Studies, University of London, Britain.
Title of Project	-	THE NATURE AND SIGNIFICANCE OF

R - Others

PROFESSIONAL LINKS IN THE
COMMONWEALTH

Names of Persons and Designations	- <u>T.J. Johnson</u> - Research Fellow; <u>Miss Marjorie Caygill</u> - Research Assistant/Secretary.
Description	- The research compares variations in the organisation, practices and values of professional occupations in several Commonwealth countries in order to determine the degree to which professional subcultures are 'cosmopolitan' in character. In particular, it will be concerned with the degree to which the content of professional subcultures stems from a central Commonwealth influence. There will be an attempt to assess the degree to which dominant role images are transmitted through a variety of both formal and informal links, connecting the medical, law, accountancy, architecture, civil engineering and quantity surveying professions in Britain with their counterparts in Ghana, India, the West Indies and Australia. Interviews and questionnaires will be administered to samples of professionals in each of the countries involved, in order to test the degree to which professionals in receipt of similar role images exhibit similar or different patterns of career, practice, values and attitudes. The theoretical interest of the work lies primarily in the development of a comparative framework in a field still geared to the study of single professions in single societies, although the problem of cross-cultural convergence of professional styles is also theoretically pertinent to wider problems of development and culture contact.
Date of Commencement	- June, 1969.
Expected Date of Completion	- October, 1972.
Source of Finance	- The Social Science Research Council.
Name of Institution	- Department of Education in Tropical Areas, University of London Institute of Education.
Title of Project	- EDUCATIONAL VALUES AND AFRICAN DEVELOPMENT See A 10

R - Others

13. Name of Institution - Department of Education, University of Exeter, Britain.
- Title of Project - A STUDY OF THE EFFECT OF WESTERN TYPE EDUCATION ON GIRLS IN A MOSLEM HAUSA COMMUNITY IN NORTHERN NIGERIA
- Name of Person - Mrs. J. Trevor.
- Main Aim of Project - To do a longitudinal follow-up study of a number of girls in secondary schools in a Moslem Hausa community in Northern Nigeria who are now, 10 to 15 years later, women in the community. The study is concerned with the influence of secondary education on the attitudes and outlooks of the girls, and of the implications for family and social development in the community.
- Date of Commencement - The second phase of the research began in 1968.
- Expected Date of Completion - 1971.

-
14. Name of Institution - Department of Educational Studies, University of Edinburgh, Britain.
- Title of Project - COMMUNITY DEVELOPMENT IN AFRICA WITH SPECIAL REFERENCE TO BOTSWANA
- Name of Person - P.G.L. Wass.
- Description - To provide an historical survey of the evolution of community development in Botswana, 1967-72.
- Date of Commencement - 1967.
- Expected Date of Completion - 1971.
-

INDEX OF INSTITUTIONS

(Listed geographically from east to west)

1. School of Education, University of Waikato, Hamilton, New Zealand.
H 1
2. Faculty of Education, Monash University, Clayton, Victoria, 3168, Australia.
F 1
3. Centre for Advancement of Teaching, Macquarie University, North Ryde, New South Wales 2113, Australia.
H 2, R 1
4. Faculty of Education, University of Western Australia, Nedlands, Western Australia 6009, Australia.
A 1
5. Department of Education, University of Papua and New Guinea, P.O. Box 1144, Boroko, Territory of Papua & New Guinea.
C 1, F 2, F 3, F 4, F 5, F 6, F 7, F 8, F 9, F 10, F 11, F 12, I 1, I 2, L 1, Q 1
6. Department of Education; University of Hong Kong, Pokfulam Road, Hong Kong.
A 2, C 2, E 1, F 13, F 14, F 15, F 16, F 17, F 18, F 19, F 20, G 1, H 3, I 3, J 1, K 1, K 2, Q 2
7. School of Education, Chinese University of Hong Kong Shatin, New Territories, Hong Kong.
R 2
8. Hong Kong Association for Mentally Handicapped Children & Young Persons, 702 Fung House, Connaught Road C., Hong Kong.
N 1
9. School of Education, University of Singapore, Singapore.
B 14
10. Centre for Educational Services, University of Penang, Minden, Penang, Malaysia.
A 3, K 3
11. National Council for Educational Research and Training, Mehrauli Road, New Delhi 16, India.
C 3

12. Department of Education, Banaras Hindu University, Kamachha, Varanasi, U.P., India.
G 2
13. Central Institute of Education, University of Delhi, 33 Chhatra Marg, New Delhi 7, India.
M 1
14. Centre for Advanced Study in Education/Faculty of Education and Psychology, Maharaja Sayajirao University, Lokmanya Tilak Road, Baroda-2, India.
A 4, D 1, F 21, I 4
15. Department of Postgraduate Studies and Research in Education, University of Mysore, Mysore State, India.
E 2, J 3, J 4
16. South India Teachers' Union, Council of Educational Research, 95-A, Ramakrishna Mutt Road, Madras 28, India.
F 22, I 5, J 2
17. Institute of Education and Research, University of the Punjab, New Campas, Lahore, Pakistan.
A 15, A 16, H 22
18. Institute of Education, University of Sind, Hyderabad, Pakistan.
B 15, B 16, C 25
19. University of Nairobi, P.O. Box 30197, Nairobi, Kenya.
(i) Faculty of Education.
A 5, B 1, F 23, H 4, H 5, M 2
(ii) Child Development Research Unit.
E 3, E 4, E 5, E 6, E 7
(iii) Institute of Development Studies.
O 1
20. Makerere University, P.O. Box 7062, Kampala, Uganda.
(i) Audio-Visual Aids Centre/National Institute of Education.
F 24, I 6, I 7, I 8, P 1
(ii) Department of Education .
A 6, B 2, B 5, B 6, E 15, F 25, F 26, F 27, F 28, G 4,
H 6, H 7, H 8, H 9, H 10, H 11, H 12, H 13, I 9, I 10, R 7
(iii) Department of Educational Psychology.
C 4, C 5, C 6, C 7, C 8, C 9, C 10, E 8, E 9, E 10, E 11,
E 12, E 13, E 14, G 3, J 5, J 6, K 4
(iv) Department of Language Methods.
F 29, F 30, F 31, F32
(v) Department of Social Work and Social Administration.
R 3

21. Makerere Institute of Social Research, Makerere University,
P.O. Box 7062, Kampala, Uganda.
B 3, B 4, D 2, M 3, R 4, R 5, R 6
22. University of Zambia, P.O. Box 2379, Lusaka, Zambia.
(i) Department of Education .
A 7
(ii) School of Education.
P 2
(iii) Science Education Research Centre, School of Education .
H 14
(iv) Human Development Research Institute.
E 16
(v) Institute for African Studies .
I 11
23. University of Malawi, P.O. Box 496, Limbe, Malawi.
(i) Soche Hill College.
C 11, F 33
(ii) Chancellor College - Department of History.
B 7
24. Ahmadu Bello University, Zaria, Nigeria .
(i) Department of Education .
H 17
(ii) Adult Education and General Extension Services Unit.
M 4, M 5, M 6
25. Department and Institute of Education, University of Ibadan,
Ibadan, Nigeria.
C 20, C 21, C 22, E 17, E 18, J 8, R 11
26. University of Ife, Ile-Ife, Nigeria .
(i) Institute of Education.
G 5, H 18
(ii) Faculty of Education.
D 3, E 19, H 19, M 7
27. University of Lagos, Lagos, Nigeria .
(i) College of Education .
B 8, F 34, H 15, J 7, L 2, L 3, R 8, R 9

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H 16
28. The West African Examinations Council, Test Development and Research Office, Private Mail Bag 1076, Yaba, Lagos, Nigeria.
C 12, C 13, C 14, C 15, C 16, C 17, C 18, C 19, C 23, J 9, J 10, J 11, J 12, R 10
29. The Ghana Association of Science Teachers, Ministry of Education, P.O. Box M.45, Accra, Ghana.
F 35
30. Njala University College, University of Sierra Leone, Private Mail Bag, Freetown, Sierra Leone.
C 23, J 13
- (i) Department of Geography and Environmental Studies.
F 36
- (ii) Department of Teacher Education.
H 20
31. The Commonwealth Secretariat, Marlborough House, Pall Mall, London, SW1Y SHX, Britain.
D 5, N2
32. University of London Institute of Education, Malet Street, London, W.C.1, Britain.
- (i) Department of Education in Tropical Areas.
A 9, D 5, N 2
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R 12
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A 8
34. Centre for West African Studies, Birmingham University, P.O. Box 363, Birmingham 15, Britain.
A 10, K 5
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O 2
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F 37, F 38, F 39

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P.O. Box 78, Cardiff CF1 1XL, Britain.
J 14
38. Department of Educational Studies, University of Edinburgh,
11 Buccleuch Place, Edinburgh EH8 9JT, Britain.
M 8, O 3, R 14
39. Department of Education, University of Exeter, Exeter, EX4 4QJ,
Britain.
R 13
40. Department of International Economic Studies, University of
Glasgow, Glasgow W.2, Britain.
K 7
41. Department of Educational Studies, University of Hull, 173
Cottingham Road, Hull, Britain.
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42. Institute of Education, University of Keele, Keele, Staffordshire,
ST5 5BG, Britain.
I 12
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Manchester 13, Britain.
Q 3
44. University of Oxford, Oxford, Britain.
(i) Queen Elizabeth House.
A 12, K 6
(ii) Institute of Economics and Statistics.
A 13
45. School of Education, University of Reading, Whiteknights, Reading,
Berkshire, Britain.
B 9, I 13
46. School of Education, The University, Southampton, SO9 5NH,
Britain.
I 14
47. Department of Education, University College of Swansea, Singleton
Park, Swansea, Glamorgan, SA2 8PP, Britain.
L 4
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H 23

49. Department of Education, University of the West Indies, Mona, Kingston 7, Jamaica, W.I..
E 20, G 8
50. Institute of Education, University of the West Indies, St. Augustine, Trinidad, W.I..
G 7, H 21, J 15
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53. University of Calgary, Calgary 44, Alberta, Canada.
(i) Faculty of Education/Department of Educational Foundations.
A 14, B 11, B 12, D 4
54. McGill University, Montreal 110, P.Q., Canada.
(i) Faculty of Education.
B 13
55. Department of Adult Education, Ontario Institute for Studies in Education, 102 Bloor Street West, Toronto 5, Ontario, Canada.
C 24, M 9, M 10

AUTHOR INDEX

Adam, Dr. R.	A 1	Battle, V.M.	B 4
Ademuwagun, Dr. Z.A.	R 8	Beckett, B.S.	F 13
Adeosun, D.O.O.	O 3	Bentt, V.M.	G 6
Adeyinka, J.A.	M 7	Bevli, U.K.	C 3
Adu-Ampoma, S.M.	F 35	Bhagia, S.	A 4
Afolayan, Dr. A.	H 18	Bibby, J.	K 5
Afzal, M.	H 22	Blaug, M.	A 8
Agard, J.	F 25	Bolam, D.W.	I 12
Agboro, A.A.	C 17	Bortei-Doku, S.	F 35
Ahmad, B.	A 8	Bown, Prof. L.	M 4
Ahmad, S.	B 16	Brooksbank, M.	I 12
Ahmad, Dr. Z.	A 15, A 16	Buch, Prof. M.B.	A 4, F 21
Ahluwalia, Dr. S.P.	G 2	Buch, P.M.	A 4
Akeju, Dr. S.S.A.	C 12, C 13, C 14, C 23, J 11, J 12	Callaway, Prof. A.	A 12, K 6
Akinpelu, Dr. J.A.	D 3, H 19	Caygill, M.	R 12
Akpabio, U.H.	C 19	Chandrasekharaiah, Dr. K.V.	B 13
Andahwa, E.S.	H 4	Chang, P.M.P.	A 3
Anderson, J.	K 7	Chatterji, Dr. B.B.	C 3
Anderson, J.W.	E 8	Clarke, R.F.	C 8
Anderson, R.	F 37	Craig, D.R.	E 20, G 8
Ansari, Dr. N.A.	M 1	Chick, J.D.	Q 3
Arunajatai, V.	J 2		
Arye, J.R.	R 10	Dart, Prof. F.E.	F 2
Asinge, D.	A 11	Datta, Dr. A.K.	P 2
Asiedu, R.	I 12	Desai, Prof. D.M.	A 4
Awang, A.B.	K 3	De Benko, Dr. E.	R 4
Awuku, K.A.	F 35	Denys, L.O.	C 24, M 9
		Donohue, M.	F 9, I 2
Baird, C.L.	G 6	Draper, Dr. J.A.	M 10
Bakare, Dr. C.G.M.	C 20, C 21, C 22, E 17, E 18, J 8	D'Souza, W.	F 29
		Durojaiye, M.O.A.	E 9, E 10 E 11, G 3 K 4
Baloch, Dr. N.A.	B 15		
Barki, B.G.	J 4	Durojaiye, S.M.	F 30, F 31
Barry, D.	F 26	Duraiswamy, M.	F 22, I 5
Bates, D.	F 35		

Eedle, J.H.	D 5, N 2	Heyman, Dr. R.D.	B 11, B 12
El-Abd, Prof, H.	C 4, C 5, C 6, C 7, E 12, E 13, J 5	Hopcraft, P.N.	O 1
Elliot, Dr. J.	A 7	Hoorweg, J.C.	R 6
Elston, Rev. P.	B 7	Hu, Prof, C.T.	R 2
English, P.G.	E 15	Ilyas, Dr. M.	H 22
Fafunwa, Prof. A.B.	H 18, M 7	Isoardi, D.	F 3, I 1
Falade, G.	I 12	Iyengar, R.S.	I 5
Fagbongbe, E.O.	L 2	Jenkins, D.R.	I 12
Fiks, Dr. A.I.	C 15, C 16, C 17, C 18, C 19, J 9, J 10, R 10	Johns, G.	J 14
Fisher-Short, W.	I 3	Johnson, R.K.	F 4
Forrest, R.	I 1	Johnson, T.J.	R 12
Freeman, J.M.	F 27	Jones, M.D.	R 5
Fung, H.M.	R 2	Kagia, R.	E 4
Fung, Y.W.	J 1	Kajubi, S.N.	E 14
Furlonge, Dr. E.A.	G 7, H 21, J 15	Kale, Dr. S.V.	C 3
Gardner, P.L.	F 1	Kan, Z.	I 12
Gaitirira, L.	E 4	Kannade, H.M.	C 3
George, Dr. E.I.	C 3	Kapadia, G.G.	I 4
Getena, J.	E 3, E 4	Kent, G.	I 14
Ghosh, E.S.K.	F 38	Ker, A.D.R.	H 9
Gomes, A.	H 5	Kimilu, D.N.	F 23
Gunn, A.L.	H 8, I 9	Knight, J.B.	A 13
Gwayambadde, Y.M.K.	R 3	Krishnamurthy, V.	I 4
Gwee, Y.H.	B 14	Krishnamurthy, P.V.	I 5
Harbottle, M.	H 6	Kumaraswamy, T.S.	E 2
Harrold, M.S.	F 39	Lam, L.	R 2
Hartley, G.	I 12	Law, P.M.	R 2
Hawkes, C.N.	H 23	Lawless, C.J.	F 33, I 13
Hayward, P.	F 11	Lawson, Dr. R.F.	B 12
Henderson, Dr. N.K.	C 2, E 1, I 3, J 1, K 1, K 2, Q 2	Lieber, J.W.	R 11
		Lockwood, F.G.	C 11
		Logan, R. D.	E 3, E 4, E 5
		Lohia, R.	F 10

Lucas, Prof. E.	B 2	Omer, Dr. Z.Z.	H 22
Lulla, T.P.	F 21	Onwuka, U.	A 9
		Osiyale, A.	H 15
Maas, J.V.L.	B 3	Osibodu, B.O.	E 19
Macpherson, T.J.A.	H 7	Otaala, B.	C 9
Macauley, J.I.	H 18	Cxlade, D.	B 1
Malani, I.	C 3	Oyerinde, T.O.	C 18
Malik, Dr. D.M.	H 22	Ozoro, O.	H 16
Mazinga, T.M.	F 28, H 13		
McDowell, I.	R 6	Parameswaran, Dr. E.G.	C 3
McInerney, Prof. M.	G 6	Parker, S.J.	I 12
Mehta, Dr. P.H.	C 3	Pearson, Dr. R.E.	F 35
Meyer, Dr. G.R.	H 2, R 1	Peil, Dr. M.	A 10, K 5
Milner, S.R.	F 5, F 10	Powell, Dr. B.	G 7, H 21, J 15
Mirza, M.S.	A 16	Powell, Dr. J.P.	Q 1
Misbahuddin.	C 25	Pratt, C.A.	F 24, I 6, I 7, I 8, P 1
Munroe, R.	E 6		
Muizzuddin, Dr. S.	H 22		
Mytton, G.	I 11	Qurashi, Z.M.	F 21
Natarajan, S.	F 22, I 5	Radcliffe, Prof. D.J.	B 10
Ng, Dr. J.L.	R 2	Rai, K.	A 4
Nguru, G.M.	A 5	Rao, Dr. R.S.	J 2
Nickelson, Dr. A.L.	H 16	Rashid, Dr.	C 25
Nsereko-Gyagenda, T.	J 6	Reynolds, P.D.	F 14, F 15
Nsibambi, R.	F 32	Ridgeway, N.	F 10, I 1
		Ritchie, Prof. J.E.	H 1
Obe, Dr. E.O.	J 7	Roe, M.	F 10, F 11
Obioha, N.E.	H 14	Russell, D.D.	M 8
Ocitti, J.P.	H 10, H 11, H 12		
Ohuche, Dr. R.O.	C 23, H 20, J 13	Sachadeva, C.	C 3
Ohuche, N.	J 13	Salama, Dr. G.	M 5, M 6
Okach, J.N.	M 2	Sanders, A.C.E.	C 10
Okonji, O.M.	E 16	Santhanam, M.R.	F 21
Okunrotifa, P.O.	H 17	Seeley, S.	E 6
Olayinka, Dr. M.S.	L 3	Seetharamu, A.S.	J 3
Oloyede, A.O.	J 10	Shah, A.	C 25
		Shah, Dr. G.B.	D 1, I 4

Sharma, M.L.	D 1	Williams, A.R.	L 4
Simpson, Dr. R.F.	A 2, F 16, G 1	Williams, Dr. I.W.	G 7, H 21, J 15
Singh, Dr. A.K.	C 3	Wilson, A.	F 12
Singh, Prof. R.P.	E 2, J 3, J 4	Wilson, F.A.	O 2
Smail, J.R.W.	B 10	Wilson, J.M.	F 11, F 12
Sokoya, J.A.F.	G 5, H 18	Wingfield, R.	I 1
Somade, Chief, B.	H 16	Withall, Prof. J.	H 16
Srinivasachari, G.	F 22, I 5	Whiting, B.B.	E 3, E 7
Ssekamwa, J.C.	B 5		
Sweeting, A.E.	F 17	Yapp, H.	F 19, F 20
Syed, Prof. A.H.	A 15, A 16, H 22	Yeung, M.	N 1
		Zachariah, Dr. M.	A 14, B 12, D 4
Taiwo, A.A.	M 7		
Taiwo, Prof. C.O.	B 8, F 34, R 9		
Tam, A.	F 18, H 3		
Tang, F.C.	N 1		
Tawia, M.	F 35		
Taylor, S.F.	F 36		
Thompson, H.	G 7, H 21, J 15		
Tirtha, Dr. N.V.	C 3		
Townsend, A.	I 12		
Trevaskis, Dr. G.A.	C 1, F 6, F 7, F 8, F 9, F 10, F 11, F 12, I 2, L 1		
Trevor, J.	R 13		
Trotman, J.	G 6		
Wallace, T.	M 3		
Wamai, M.	E 3		
Wandira, Prof. A.	A 6, G 4, R 7		
Wass, P.G.L.	R 14		
Watson, J.K.P.	B 9		
Watson, T.	B 6, I 10		
Weeks, Dr. S.G.	D 2, M 3		
Whelan, I.	H 1		

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