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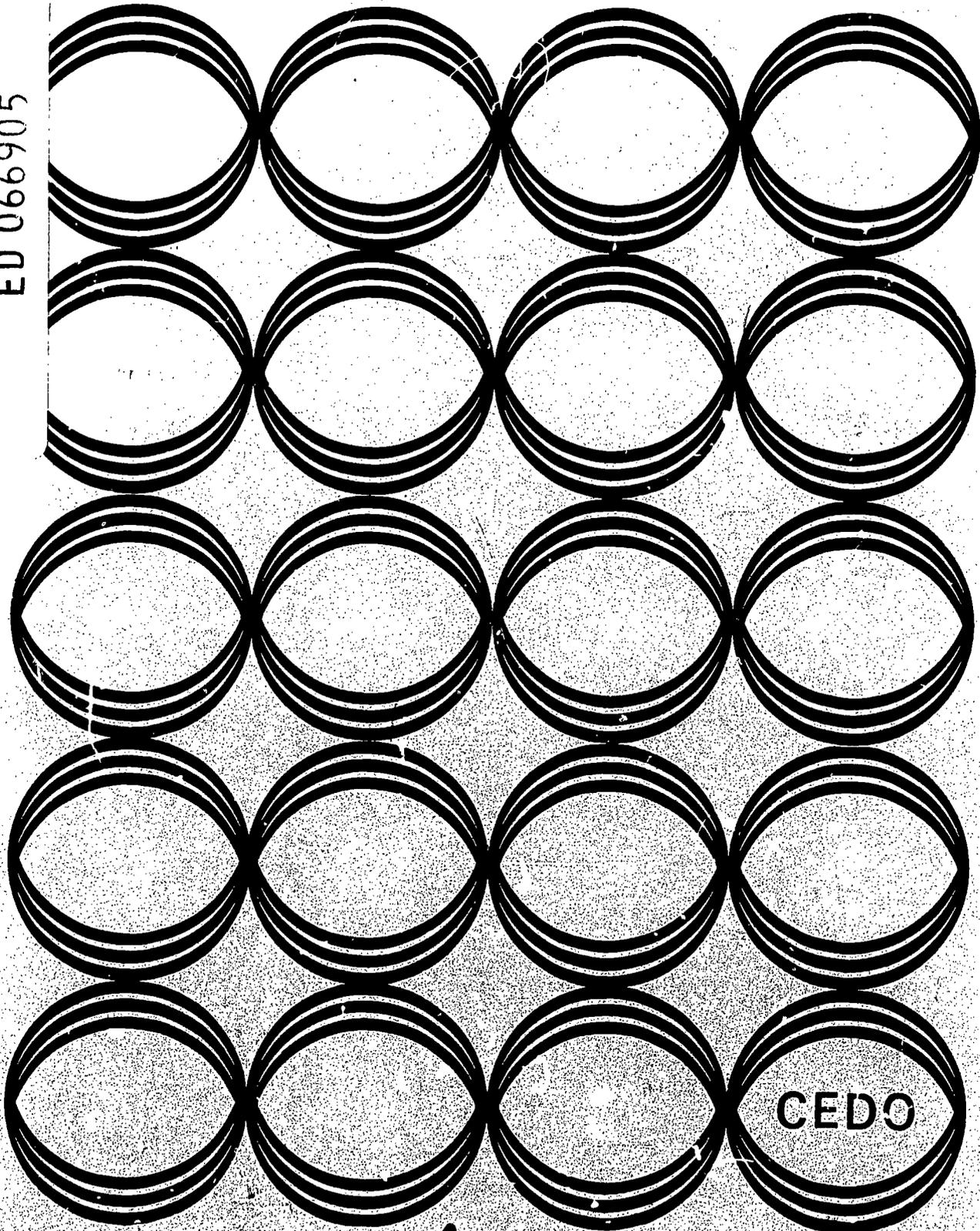
IDENTIFIERS CEDO: \*Centre for Educational Development Overseas

ABSTRACT

The Centre for Educational Development Overseas (CEDO) was created in Britain in 1970 to assist developing nations with modernization and innovation in education. CEDO has aided both formal and informal education projects in several nations including Brazil, India, Ethiopia, Malaysia, and Tonga. Aid is usually offered in response to requests from national or regional organizations concerned with education, and in cooperation with other agencies such as UNESCO, FAO and the British Government. CEDO maintains a training center in London for teaching how to use audiovisual media and educational radio and television, and provides additional courses overseas. CEDO acts as a central clearinghouse for information on innovations in education and publishes two journals, "Educational Broadcasting International," and "Educational Resources International." (MG)

# Centre for Educational Development Overseas

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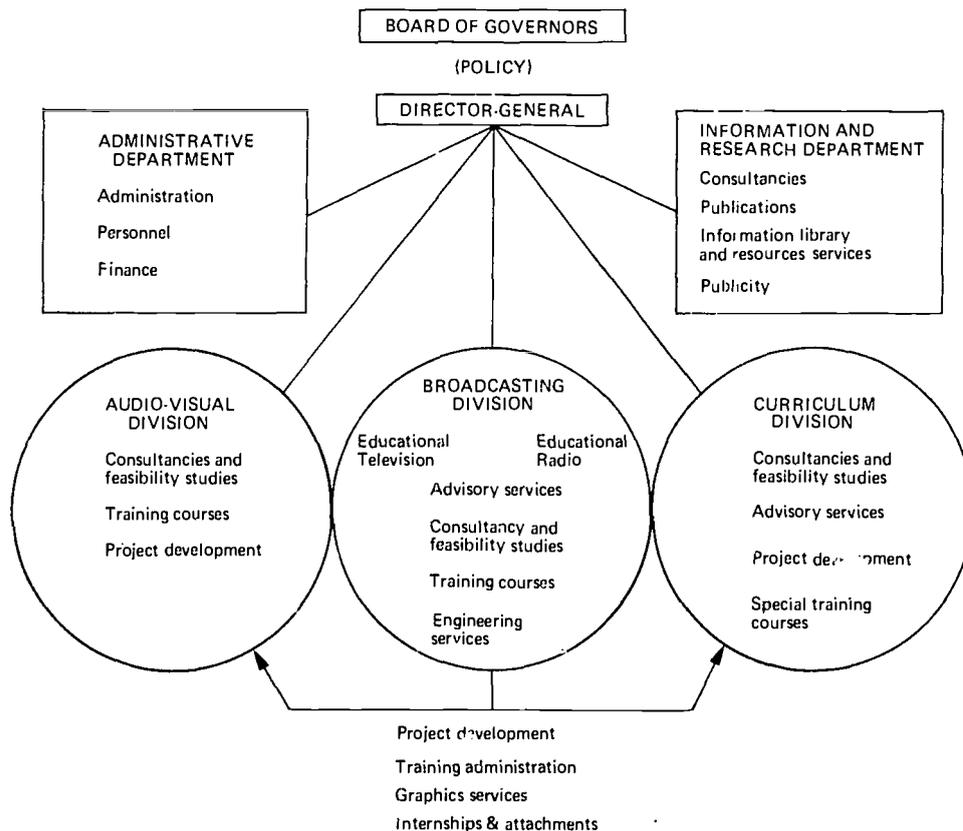
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# CEDO

## THE FUNCTION OF CEDO

The Centre for Educational Development Overseas was created in 1970 to assist developing countries with modernization and innovation in education by providing a source of information, advice and help. CEDO is concerned with curricula in the widest sense, with the techniques of teaching and selection, with all aspects of educational technology and with related problems of educational organization. CEDO is active in the fields of both formal and informal education and with all levels and categories from primary to tertiary. The main aim is to employ our particular resources and expertise to give the right kind of help at the right time in the right place in order to accelerate and develop sound educational practice.

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CEDO provides information, advice and recommendations on most aspects of educational development and innovation, specifically in those areas central to the work of the main Divisions. In response to requests from national or regional organizations or institutions concerned with education, CEDO makes available consultancy services, undertakes feasibility studies, training and various forms of project development.

CEDO co-operates with international, national and regional organizations and institutions working in the same field, such as the Commonwealth Secretariat, FAO, UNESCO, UNICEF and the specialized institutions of the South East Asia Ministers of Education Organization. In Britain close liaison is maintained with the Overseas Development Administration of the Foreign and Commonwealth Office, which is its main source of financial support, as well as with organizations such as the BBC, the Inter-University Council for Higher Education Overseas (IUC), the Schools Council, the Council for Technical Education and Training for Overseas Countries (TETOC) and the Thomson Foundation.

CEDO has a special relationship with the British Council and the two organizations have entered into a concordat which makes the services of the British Council officers in developing countries available to CEDO. This invaluable support means that CEDO now has a very wide range of points of contact, information and communication overseas.

## **OVERSEAS ACTIVITIES**

### **Projects**

From its inception CEDO has been pledged 'to promote by all means possible the development overseas of education'. In practice, it is mainly concerned with innovation and modernization. The Centre is based in London and has a major training area there in its headquarters. It is, however, fully realized that the most effective form of educational development arises in response to local

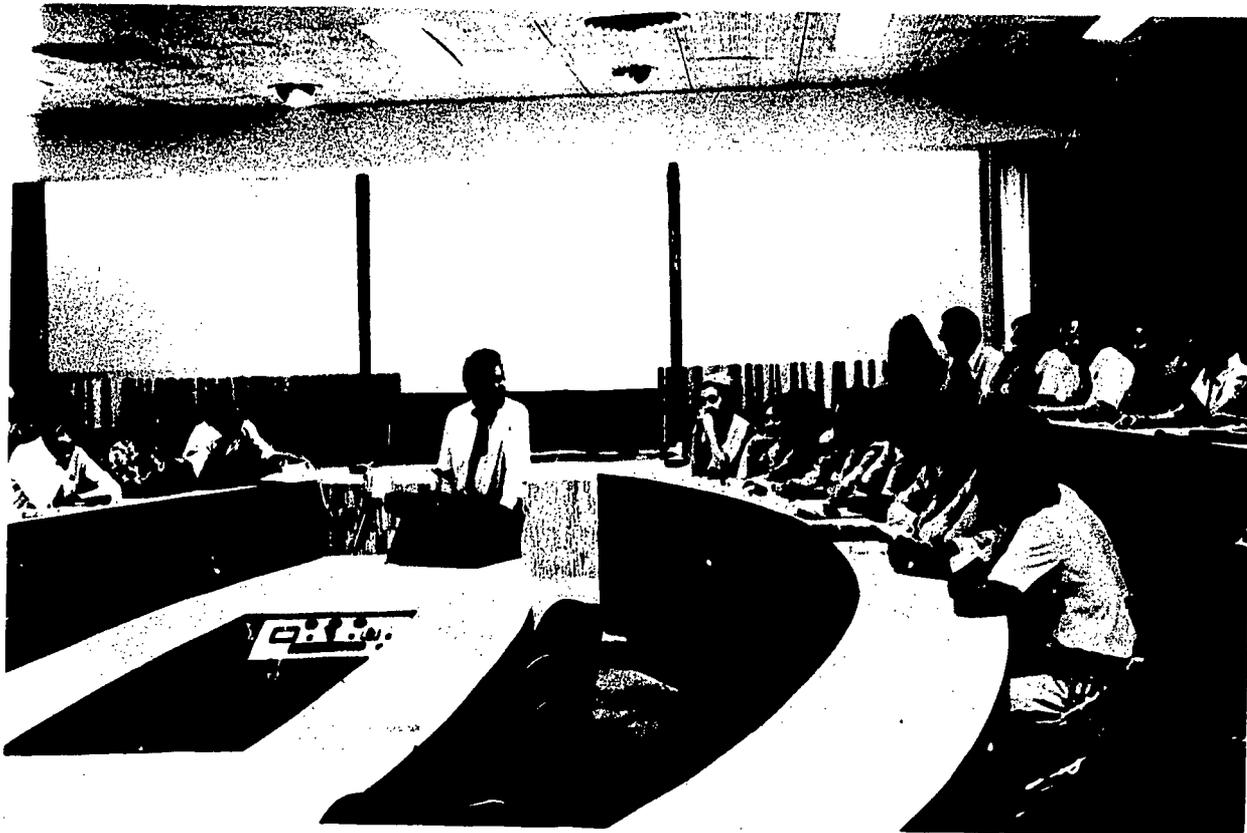


The Centre's specially designed training complex was officially opened by the Rt. Hon. Richard Wood, M.P., Minister for Overseas Development (left)

initiative and follows carefully assessed and identified local need and then only with effective local support and co-operation. CEDO has been able to participate in a variety of such projects. The following examples indicate the range and variety of CEDO's activities:

*Brazil*

Following preliminary visits by CEDO personnel at the request of the President of the National Foundation for Educational Television in Brazil (FCBTVE) four Brazilian ETV personnel came to London for further training in the techniques of training personnel for ETV. Two of them then co-operated with a CEDO training team to run a four-month course in Brazil at the request of FCBTVE and the Comissão Nacional de Atividades Espaciais. A further course followed and a CEDO officer was seconded via the Overseas Development Administration to the FCBTVE for a period of two years as an adviser. Further requests for CEDO's services have followed.

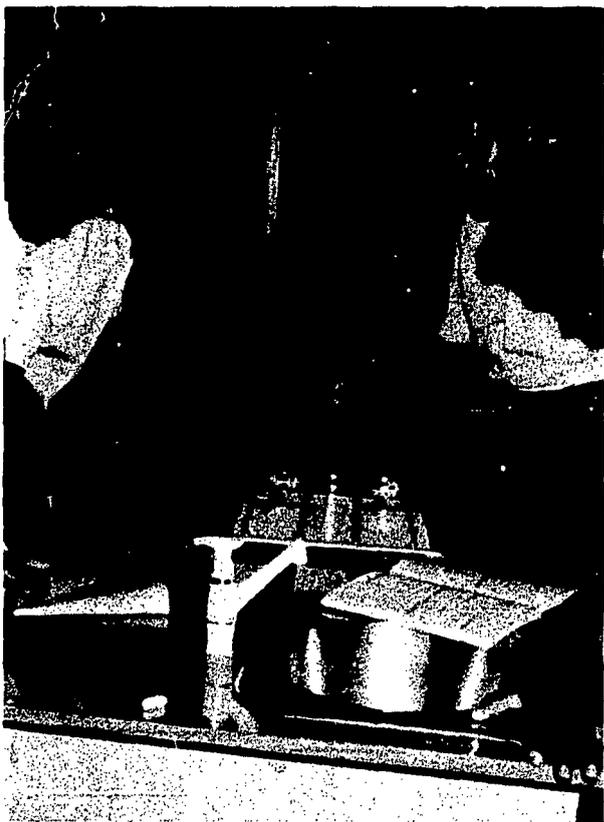


A CEDO officer lectures at a training course held in Brazil at the request of CNAE and FCBTVE

*Caribbean  
Mathematics Project*

The Caribbean Mathematics Project began in eight territories of the Eastern Caribbean in August 1971. Under the joint sponsorship of the UWI Institute of Education, UNESCO and CEDO, it has been welcomed by the Ministries of Education concerned as a means of modernizing the teaching of mathematics and of developing a suitable course for the lower secondary years.

The twin aims of the Project are in-service teacher training and the development of local material for the teaching of mathematics. The strategy is to make a variety of resources available to teachers, and to encourage them to write original units of work which may eventually form the basis of a complete mathematics course for the 12 to 15 age group. An international team of three full-time consultants is working with the Project, which has an initial life-time of three years. An interesting feature of the Project is the use being made of materials written in Ghana as a major resource in the early stages, thus exemplifying CEDO's important role in facilitating the exchange of experience between developing countries in the curriculum field.



A consultant with members of a Teacher Vacation Course in Antigua

*Science Teaching Project*

Following preliminary discussion in the Caribbean in 1969 by members of the staff of CREDO (now the Curriculum Division of CEDO) a feasibility study for a pilot scheme to introduce science teaching for the first two years at secondary level based on the concepts of the Combined Nuffield Science Project, but adapted to the needs of that area, was commissioned. This study led to the development, by the Ministry of Education, the University of the West Indies and CEDO, with considerable financial support from the ODA, of a three-year integrated science teaching project based on local adaptation of the Scottish Integrated Science Scheme. As preliminaries to this

project, teacher vacation courses were organized in the area and, indeed, these have remained a feature of the project.

In conjunction with the ODA, CEDO made arrangements for a full-time adviser in the area for three years, a part-time consultant for the same period of time, apparatus for use in the pilot schools, the necessary textbooks, teachers' guides and pupils' worksheets.

So far 77 trial schools and six teachers' colleges have been involved. It is hoped that the project will be extended into the third and fourth years of secondary education.

*East Africa  
Secondary Science Project*  
In the mid-60s science teachers in Tanzania, Uganda and Kenya expressed interest in the Nuffield Science Project. In 1967 a Conference was held to discuss the value of a Curriculum Development Project in Secondary Science.

On the recommendations of this Conference held in Nairobi in 1968, new courses in chemistry, physics and biology have been written and tested in about 120 schools, appropriate examinations at School Certificate level have been held and the draft materials will accordingly be modified for general use by schools. Throughout the four-year trial period CEDO has supported this Project both financially and professionally in collaboration with the British Council.

In recognition of the need for accompanying teacher education, CEDO has helped to finance local production of audio-visual support material for topics which are either difficult to teach or dependent on the use of expensive apparatus. Following the inception of this Project on a regional basis, each of the participating countries is now developing and using the materials to meet its own needs.



Students following the EASSP course

*Ethiopia  
Mass Media Centre*

In 1971 a six week radio script-writing and production course was conducted by CEDO at the Ethiopian Mass Media Centre which is concerned both with formal and informal education. Three radio producers were subsequently trained in London. CEDO also has a history of training ETV staff for the Centre.

In 1972, at the request of the Ethiopian Ministry of Education on behalf of the Overseas Development Administration, CEDO conducted a detailed survey of the present role and future development of the Centre.



A CEDO officer visits a school during a survey of the development of the educational mass media in Ethiopia

*India*  
*Madras Technical Teachers'*  
*Training Institute*

Following a visit to the United Kingdom by the Principal of the TTTI a request was made to the British Government for assistance with the provision of closed-circuit television for teacher training purposes within the Institute. After a preliminary visit by a CEDO Officer, personnel from the TTTI came to the United Kingdom for technical training at CEDO. The Chief Engineer of CEDO, having advised on the scheduling and ordering of equipment, visited Madras to advise on the installation of the equipment. CEDO then provided a Training Officer to conduct a six-week course for the Institute personnel who will be using the equipment.

*Malaysia*  
*Secondary Science Project*

In 1968 the Malaysian Ministry of Education asked CREDO to act as consultants for renewing their upper secondary school science curricula in physics, chemistry and biology.

A member of staff undertook responsibility for co-ordinating this work which began with teacher vacation courses (TVCs): foundation courses on Nuffield Science, leading on to workshops in which Malaysian teachers worked alongside United Kingdom tutors producing a course based on Nuffield Science for trial in Malaysia. In 1972 the first drafts of pupils' books and teachers' guides were printed both in English and Bahasa Malaysia and tested in thirty schools.

Malaysian participants in the Project have visited the United Kingdom under the auspices of the British Council to continue their work of writing the material, in combination with further study.

CEDO is also assisting the Ministry of Education to devise a new course in combined science for pupils in the Arts streams at School Certificate level.



TVCs form an important part of projects. A UK consultant in Malaysia talks to a student



#### *Tonga*

#### *National Audio-Visual Media Centre*

In 1969 OVAC (now the Audio-Visual Division of CEDO) was asked to send an Officer to discuss with the Government plans for a National Audio-Visual Media Centre. In 1971 a follow-up visit led to the establishment in Nuku'alofa of such a Centre.

This Centre provides the following services for both formal and informal education:

- the production of audio-visual aids;
- in-service training in methods and uses of media;
- information and sources of reference on equipment and materials.

A further visit to consolidate the development of the Centre and provide in-service training for staff was made in 1972.



The Audio-Visual Media Centre, Tonga

## **TRAINING**

Training is one of CEDO's major activities. Courses are held on a regular basis in London and overseas where the number of trainees justifies a visit by CEDO personnel.

In its specially designed training complex in Tavistock House, completed in 1972, CEDO offers regular training courses in audio-visual media, educational radio and educational television. In addition, specialist courses on various aspects of curriculum development can be arranged.

Overseas courses are normally related as far as possible to existing or planned operations. An example of this was the production refresher courses for in-service ETV personnel in Malaysia. These were run in parallel with courses on the effective use of television programmes in the classroom conducted by CEDO personnel prior to the opening of the educational television service in Kuala Lumpur.

### **Audio-Visual Media**

The Audio-Visual Division runs courses at various levels on the making and use of audio-visual aids (with emphasis on the low-cost variety) overseas, whether concerned with classroom or informal education.

### **Educational Radio**

The Educational Radio Department of the Broadcasting Division runs intensive courses covering production techniques and classroom or listening group utilization. Training also covers the specialized areas of radiovision and tape/slide presentations; also the production of relevant support materials for broadcast programmes. Each course lasts thirteen weeks and they are held at regular intervals.

### **Educational Television**

The Educational Television Department of the Broadcasting Division carries out regular, fifteen-week, intensive, general production courses which include attachments to British



A trainee learns to operate an overhead projector

television broadcast stations. These essentially practical courses are designed to help trainees to use the resources of television to meet varying educational needs – formal and informal.

There are also six – eight week advanced courses for experienced ETV personnel, dealing with organization and administration and the latest production techniques.

In addition, there are sixteen-week trainers' courses specifically designed for experienced personnel who have or will have local training responsibilities. These are run in parallel with a general production training course.

#### **Curriculum Development**

The Curriculum Division does not provide standard courses on a regular basis at the Centre. It provides short courses on curriculum reform for Commonwealth students on bursaries provided by the British Government and offers advice on programmes for overseas visitors who come to Britain to study aspects of curriculum development.

#### **Related Activities**

Special courses or attachments may be arranged for individuals or groups. For example, trainees have made a special study of television graphics or engineering and study visits have been arranged for FAO officials and overseas university staff.

#### **Overseas**

CEDO has already conducted a variety of training activities in a large number of overseas countries. Each of these has arisen through a request coming to CEDO either directly from the organization or institution concerned, or alternatively through an intermediate agent such as the British Council, the ODA or one of the major international organizations such as the FAO or UNESCO.



Television training course studio exercise

The types and range of these courses – which have involved staff from all Divisions of CEDO – can be judged from the following examples:

Audio-Visual courses for Teachers – *Afghanistan*

Training in ETV Production – *Brazil*  
Regional Training Course in Educational Radio – *Kenya* (for UNESCO)

Teacher Vacation Course (New Science) – *Malaysia*

Audio-Visual Course for Fisheries Training Officers – *Malawi* (for FAO)

Training in Science Teaching by TV – *Arab Republic of Egypt* (for UNESCO)

Audio-Visual Workshop for Family Planning Personnel – *Ghana* (for International Planned Parenthood Federation)



Trainees in the radio control room

### **INFORMATION**

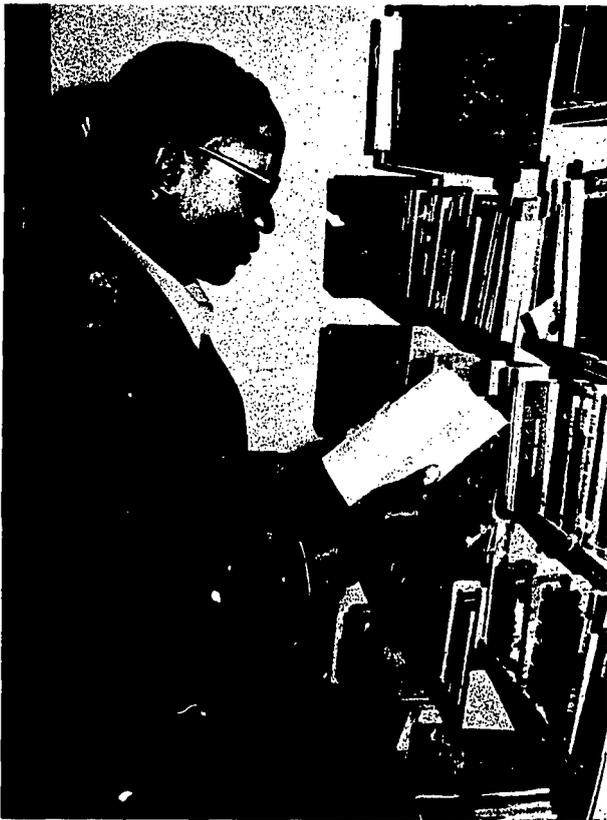
CEDO acts as a central clearing house for information on innovation and modernization in educational development. The Information and Research Department collects, collates and disseminates all incoming and outgoing information concerning all aspects of CEDO's activities.

An educational resources area has been developed around the library. In addition to its comprehensive range of conventional book material (specifically covering CEDO's interests), audio-visual equipment, film-strips, sound-tapes and materials relating to curriculum development work, particularly in the areas of overseas science and mathematics teaching, are available for study and use by trainees, visitors and staff. There are collections of publications, charts, posters and other audio-visual material in the areas of adult and informal education also available.

Information and advice is available through correspondence, publications, lectures and the reception of visitors. The Information and Research Department is responsible for all CEDO publications including the journals *Educational Broadcasting International* and *Educational Resources International*.

### **CONCLUSION**

In the first outline of the role of the then new CEDO, the Chairman, Sir Lionel Russell, said that the extent to which CEDO could assist the developing countries wishing to use its services would depend not only on the expertise which we could ourselves make available, but on the resources essential to support our activities. He went on to say that the Board of Governors and all those connected with CEDO hoped that the generous support given by non-governmental sources in the past to CEDO's predecessors would continue, both from Foundations in the United Kingdom and overseas, and from those business and commercial interests realizing, as we did, that



A corner of the CEDO library

financial assistance to education in developing countries is a vital matter, demanding a higher priority than ever before, not only in the plans of the countries themselves, but in the policies of those genuinely concerned with their welfare.

With two years of operation and added experience behind us we conclude, in the Chairman's words 'with an appeal to those who receive our brochure to support our plans to the maximum extent they feel able. Such support would enable us to make a more positive, more relevant and more valuable contribution to educational development overseas'.

#### **ENQUIRIES**

Requests for further information should be addressed to the Director Information and Research Department, Centre for Educational Development Overseas, Tavistock House South, Tavistock Square, London WC1H 9LL.



In association with the Thomson Foundation, the British Council and the IUC, CEDO organized a study visit for senior university personnel from

overseas on educational technology in higher education. The photograph was taken during their visit to Brunel University Television Service.

**APPENDIX A**  
**Director-General**

Mr. J. R. Bunting, CBE, served overseas for some twenty years in the Colonial Service and HMOCS. After being Head of Wolmer's School, Jamaica, his posts included Acting Director of Broadcasting in Chile, Federal Adviser on Education in Nigeria. He then worked for the British Council in London for three years as Education Adviser for West Africa, Head of the GVSO Unit and as Assistant Controller of the Education Division. He subsequently joined the publishing house of Evans Brothers Ltd. and was later appointed Director of Overseas Sales and Publications.



An audio-visual workshop in Chile, arranged by the British Council in conjunction with the Chilean Ministry of Education and CEDO. A CEDO

officer supervises practical work. More than forty educationists attended the three-week course.

**Deputy Director-General and  
Director of the Curriculum  
Division**

Mr. R. W. Morris, HMI, after eleven years' teaching experience, joined the Inspectorate, rising to the rank of Staff Inspector on appointment as Joint Head of the Curriculum Study Group established by the Ministry of Education in 1962. He subsequently became Joint Secretary to the Schools Council and was later appointed Director of the Centre for Curriculum Renewal and Educational Development Overseas when it was set up in 1966.

**Director of the Audio-Visual  
Division**

Mr. G. H. Rusbridger, OBE, was formerly in HM Overseas Civil Service and served as Deputy Director of Education in Northern Rhodesia (now Zambia) and as Director of Education in Tanganyika (now Tanzania). He was Director of the Overseas Visual Aids Centre from its inception in 1958 until its incorporation in CEDO in 1970.

**Director of the Broadcasting  
Division**

Mr. T. Singleton joined the Centre for Educational Television Overseas in 1963 after some ten years in ABC Television and Westward Television. As Head of Training and Overseas Operations for CETO, he travelled widely and assisted many countries in setting up educational television services. He was appointed Director of CETO in 1968.

**Director of the Information and  
Research Department**

Mr. A. B. Edington joined the Centre for Educational Television Overseas in 1965 after serving as an Education Officer in Northern Nigeria. After two years as an Information Officer in the United Kingdom he was seconded as an Adviser to the Ghana Broadcasting Corporation on all out-of-studio aspects of educational broadcasting. On his return he was appointed Associate Director of the Information and Research Department.



A CEDO officer assists on a teacher training programme on Nuffield Science being made by Inravisin in Colombia in conjunction with the British Council

## APPENDIX B

### Members of the Board of Governors

- Sir Lionel Russell, CBE (Chairman)** Previously Chief Education Officer, Birmingham
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- Professor Andrew Taylor** Professor of Education, University College, Cardiff
- Mr. J. E. C. Thornton, OBE** Educational Adviser, Overseas Development Administration
- Professor E. G. Wedell** Professor of Adult Education, University of Manchester
- Mr. B. W. M. Young, MA** Director-General, Independent Television Authority

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Arthur Mee, Esq.

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