

## FOREWORD

That science and technology play vital roles in economic and social development is generally accepted. Without knowledge of science and technology, there is little chance of improvement in human life and well-being. But knowledge in itself is not enough; information must be disseminated and used if benefits are to accrue from it. Transfer of information cannot be separated from research and development, and all those concerned with research and development must be involved in the transfer of information to the same extent and with the same attitude as they accept responsibility for research and development itself. Not only must information be conveyed to those who will directly use it, but also as background information to those who are responsible for ensuring that the national efforts in science and technology are appropriate and relevant. Equally important is to inform the general public how science and technology can be used for the common good and that with proper control, the application of science will not of necessity adversely affect the quality of man's life but that it has the potential of enhancing it.

The very real need for scientists and technologists to communicate effectively was emphasised at a regional workshop on Research Management and Administration held at Muguga, Kenya, in March 1974. The workshop recommended to the Commonwealth Science Council, that a further workshop be convened specifically to discuss means of overcoming the lack of knowledge of communication techniques by research scientists. It was recognized that one of the major constraints was the lack of knowledge of communication techniques by research scientists.

A 'Training Workshop on Communication Techniques' organized by the Commonwealth Science Council in cooperation with the Tanzania Scientific Research Council, was held at the East African Community Management Institute, Arusha, Tanzania during 21 to 28 April 1976. The aim was to present the various facets of information transfer and to demonstrate a model course programme which could be repeated at a national level with appropriate adjustment. The Workshop was sponsored by the Commonwealth Fund for Technical Cooperation.

Originally nine Commonwealth countries were to take part, but Nigeria and Uganda could not send their participants. In addition, there were observers from Guyana Science Research Council, East African Community, International Development Research Centre and the UNESCO Regional Office of Science and Technology for Africa.

The resource team was comprised of specialists from Britain, Kenya, Commonwealth Secretariat and the CSC secretariat. List of participants, observers and members of the resource team is given in Appendix I, which also includes further details about the Workshop and course programme.

The concluding session was devoted to assessment of the programme by participants. Assessment by participants is summarized in Appendix II while the Assessment Form used is reproduced in Appendix III. Participants considered that the Workshop achieved its objective to a large extent, and all the topics covered were relevant or very relevant to their needs and those of their respective countries. Subsequently several participants expressed their willingness to organize national workshops. The second regional workshop is being planned at the initiative of the Guyana Science Research Council for the Caribbean to be held in March/April 1977.

The resource material of the Arusha Workshop is now published for wider dissemination. It is hoped that this publication will provide useful resource material for organizing similar workshops at a regional or national level.

I wish to express my appreciation to all who contributed to the workshop: the various members of the resource team who gave freely of their expertise, and their parent bodies that very readily released them for this task; the Tanzania Scientific Research Council staff who assisted very ably with the organization of the workshop; the East African Community Management Institute Director and staff who made available the excellent meeting and accommodation facilities of the Institute and who cheerfully met our many needs; and, not least, the participants whose enthusiasm and willingness assured the success of the workshop.

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