

THE AGENCY'S PUBLICATIONS

A year ago it was possible under this heading to discuss each of the Agency's publications up to date in some detail. Today that approach would result in a lengthy and rather indigestible article, for the Publications Program has now fully got into its stride and become a large-scale operation. It may be more instructive to consider the general types of publication now issued by the Agency and describe the progress achieved with each.

Certainly with regard to bulk, but perhaps also as regards substance, by far the most important part of this activity is the publication of the proceedings of the scientific conferences, symposia and seminars held by the Agency, either alone or in co-operation with the United Nations specialized agencies or scientific unions. At present the Agency's program of conferences is running at the rate of about a dozen a year, so that the output in terms of published proceedings is 15 to 20 volumes. Particularly in such a rapidly changing field as nuclear energy, speed of publication is essential if the results are to be of any value to other workers in the various sciences and techniques dealt with.

At present, the production time between the holding of a conference and the publication of its proceedings by the Agency is between 9 and 12 months. Although this compares well with the performance of other publishers of scientific proceedings, a considerable effort has been made to establish a system whereby this time can be shortened to perhaps 6 to 9 months, and it is in fact expected that the proceedings of the four meetings held in May and June of this year will begin to come out by the end of the year or very early in 1962. In the meantime, the proceedings of last year's 13 meetings are steadily appearing. They deal both with such highly advanced subjects as "Codes for Reactor Computations" and "Large Radiation Sources in Industry", which will perhaps mainly interest readers in the atomically developed countries, and with problems in such fields as "Radiation Dosimetry", "Small and Medium Power Reactors" and "The Effects of Ionizing Radiations on Seeds", which are of direct interest to scientific workers and establishments in the less developed countries as well.

The papers presented at a meeting are incorporated in the proceedings in their original language (English, French, Russian or Spanish) with abstracts in all four languages. The discussions are presented in abridged verbatim form in English.

Directories, Safety Manuals, Monographs

Another important group of publications is the Directories. Of the Directory of Nuclear Reactors,



Some of the Agency's publications

three volumes have so far been issued, in which detailed information is given about the power, research, test and experimental reactors in operation or under construction in different parts of the world. An International Directory of Radioisotope Teletherapy equipment lists available equipment with considerable technical data and approximate prices. An International Directory of Radioisotopes, originally issued in 1959 in two volumes, will shortly be published in handier form, in a single volume, with all the data completely revised and brought up to date.

In the "Safety Series", the volumes of which are always issued in four languages (English, French, Russian and Spanish) in view of their wide interest, are included manuals on the safe handling of radioisotopes, the safe transport of radioactive materials, etc., which contain the regulations applied to the Agency's own operations or to operations assisted by the Agency and also form a sound basis for national regulations on the subjects concerned. The Series also includes manuals which are informative rather than regulatory, such as the Health Physics and Medical Addenda to the manual on the Safe Handling of Radioisotopes, a report on radioactive waste disposal into the sea prepared by a Panel convened by the Agency, a guide for the safe operation of critical assemblies and research reactors, some notes on the Regulations for the Safe Transport of Radioactive Materials (giving practical guidance to users and also some of the scientific background for the safety limits laid down in the Regulations), and a manual on the use of film-badge dosimeters.

The "Review Series" consists of monographs on widely different subjects written at the request of

the Agency by authors known to be experts in their particular fields. They are published in their original language and in some cases a translation into one or even two other working languages is included.

The "Bibliographical Series" includes bibliographies of the world-wide literature in different branches of nuclear science and technology. Three volumes in this series have been published, and two more are in preparation.

One of the most interesting developments in the Agency's publishing activity has been the successful launching of "Nuclear Fusion: Journal of Plasma Physics and Thermonuclear Fusion". Three issues in Vol. I have now appeared; the proceedings of the Conference on Plasma Physics and Controlled Nuclear Fusion Research recently held in Salzburg will be published as issues of this Journal.

From the technical point of view, every effort is made to maintain high standards of editing, proof-reading, presentation, block-making, printing and paper quality. Yet, because the administrative costs of the Publications Program are met out of the Agency's budget and because no profit is taken by the Agency, the book shop price of IAEA publications is very low. It includes in fact only the cost of goods and services which have to be purchased outside the Agency.

By bringing together information about the latest developments in the peaceful uses of nuclear energy throughout the world and disseminating it in convenient, attractive and inexpensive form, the Agency hopes to make a significant contribution to the fulfillment of its basic aims and purposes.

A LIST OF IAEA PUBLICATIONS

Proceedings

Nuclear Electronics, Vols. I and II
Medical Radioisotope Scanning
Disposal of Radioactive Wastes, Vols. I and II
Large Radiation Sources in Industry, Vols. I and II
Codes for Reactor Computations
Metrology of Radionuclides
Selected Topics in Radiation Dosimetry
Small and Medium Power Reactors, Vols. I and II
Effects of Ionizing Radiations on Seeds
Inelastic Scattering of Neutrons in Solids and Liquids
Radioisotopes in the Physical Sciences and Industry, Vols. I, II and III
Chemical Effects of Nuclear Transformations, Vols. I and II
Nuclear Ship Propulsion

Technical Directories

Radioisotope Teletherapy Equipment (International Directory)
Directory of Radioisotopes, Vols. I and II
Directory of Nuclear Reactors, Vols. I, II and III
Directory of Equipment for Radioisotope Applications

Safety Series

Safe Handling of Radioisotopes (E, F, R, S)
Safe Handling of Radioisotopes - Health Physics Addendum (E, F, R, S)
Safe Handling of Radioisotopes - Medical Addendum (E, F, R, S)
Safe Operation of Critical Assemblies and Research Reactors (E, F, R, S)
Radioactive Waste Disposal into the Sea (E, F, R, S)
Regulations for the Safe Transport of Radioactive Materials (E, F, R, S)
Regulations for the Safe Transport of Radioactive Materials:
Certain Aspects of the Regulations (E, F, R, S)

Review Series

Surveying and Evaluating Radioactive Deposits
Tritium: Dosage, Préparation de Molécules Marquées et Applications Biologiques
Equipement Electronique pour l'Industrie Nucléaire Française
Recent Research on Controlled Thermonuclear Fusion
Mass Spectrometry for Uranium Isotopic Measurements
The Behavior of Reactor Components under Irradiation
The Application of Radioisotopes in Biology
Research, Experimental and Test Reactors
Comments on Some Aspects of Nuclear Power Economics
Radiation in Agricultural Research and Practice
Powder Metallurgy in Nuclear Reactor Construction
The Packaging, Transport and Related Handling of Radioactive Materials
Radiation-initiated Polymerization and Graft Polymerization
Préparation et Etalonnage des Sources Radioactives de Références
Radioactive Isotopes and their Production under Neutron Irradiation
Operating Experience with Nuclear Power Stations
Controlled Thermonuclear Fusion Research
Processing of Radioactive Wastes
Concept of the Semi-Homogeneous Reactor and Present Status of Research
Welding Problems in Nuclear Construction
Heavy Water Production
Metallurgy of Thorium Production
Chemical Processing of Uranium Ores

Bibliographies

Application of High Energy Radiations in Therapy
Nuclear Reactors
Nuclear Propulsion
Geology of Uranium and Thorium

Technical Reports Series

Review of Research on Non-Destructive Analysis of Reactor Fuel Elements
Prospects of Nuclear Power in Finland
Prospects of Nuclear Power in the Philippines
IAEA Research Contracts, First Annual Report (E, F, R, S)

Panel Reports

Use of Radioisotopes and Supervoltage Radiation in Radioteletherapy (E, F, R, S)
Heavy Water Lattices
Liability of Operators of Nuclear Ships (E, F, R, S)
Radiation Damage in Bone
Radioactive Substances in the Biosphere
Therapeutic Dose Distributions with High-Energy Radiation (E, R)

Scientific Journals

Nuclear Fusion - Journal of Plasma Physics and Thermonuclear Fusion

Legal

Legal Series, No. 1: Multilateral Agreements

E = English edition
F = French edition
R = Russian edition
S = Spanish edition

CONFERENCES RELATING TO ATOMIC ENERGY November 1961 - January 1962

Extract from the periodic publication "Atomic Energy: Conferences, Meetings, Training Courses" which is available free of charge to those specially interested from the Division of Scientific and Technical Information, IAEA, Kaerntnerring 11, Vienna I

<i>Date</i>	<i>Subject and Location</i>	<i>Convening Body and / or Organizers or Sponsors</i>	<i>Address for Enquiries</i>
<u>1961</u> <u>November</u>			
1 - 4	International Conference on High Magnetic Fields - Cambridge, Massachusetts, USA	Massachusetts Institute of Technology; US Air Force Office of Scientific Research	Mr. H.H. Kolm, National Magnet Laboratory, Massachusetts Institute of Technology, Cambridge 39, Massachusetts, USA
6 - 8	Conference of the Chemical Engineering Division of the Chemical Institute of Canada, including Session on Chemical Engineering Aspects of Nuclear Engineering - Toronto, Canada	Chemical Engineering Division of the Chemical Institute of Canada	Mr. R.W. Missen, Chairman, Technical Program Committee, Department of Chemical Engineering and Applied Chemistry, University of Toronto, Toronto 5, Canada
6 - 10	Annual Meeting of the Atomic Industrial Forum and Winter Meeting of the American Nuclear Society, with Special Session on Radioactivity in the Atmosphere, the 9th Hot Laboratories and Equipment Conference and Atom Fair - Chicago, Illinois, USA	Atomic Industrial Forum; American Nuclear Society	Mr. Octave J. Du Temple, Executive Secretary, American Nuclear Society, 86 East Randolph Street, Chicago 1, Ill., USA
6 - 10	Regional Seminar on Educational Problems of Nuclear Energy - San Carlos de Bariloche, Argentina	International Atomic Energy Agency in co-operation with the Inter-American Nuclear Energy Agency and the United Nations Educational Scientific and Cultural Organization	International Atomic Energy Agency, 11 Kaerntnerring, Vienna I, Austria
7 - 12	6th Conference and Exhibit on Automation and Instrumentation, including Items on Nuclear Physics - Milan, Italy	Consiglio Nazionale delle Ricerche	Federazione delle Società scientifiche e tecniche di Milano, Via S. Tomaso 3, Milan, Italy