

on the individual atoms and ions, and a table of conversion factors.

Annotated Bibliography on Soft X-ray Spectroscopy (NBS Mono. 52; \$1) contains some 550 references covering the decade 1950-1960. Emphasis is on the application of soft x-ray spectroscopy to the study of valence-band electronic states in metals and alloys. Also listed are references to pertinent aspects of the apparatus and experimental problems and references of value in corroborating soft x-ray data with other results, such as energy-band calculations.

Apparatus Drawings

A bound volume containing the annotated shop drawings of thirty pieces of laboratory apparatus which were prepared under the Apparatus Drawings Project sponsored jointly by the American Association of Physics Teachers and the American Institute of Physics has just been published by Plenum Press. The project, initiated several years ago with the aid of a grant from the National Science Foundation, was carried out at the Institute under the direction of R. G. Marcley, who collected detailed information on special pieces of apparatus developed at various colleges and universities in the United States. The resulting drawings, together with descriptive notes, appeared in a number of issues of the *American Journal of Physics*, beginning in January 1960.

The present publication, entitled *Apparatus Drawings Project*, Vol. 1., is accompanied by a portfolio of 11" x 17" shop drawings. The complete set is priced at \$40. Orders or requests for additional information should be addressed to the Plenum Press, Inc., 227 West 17th Street, New York 11, N. Y.

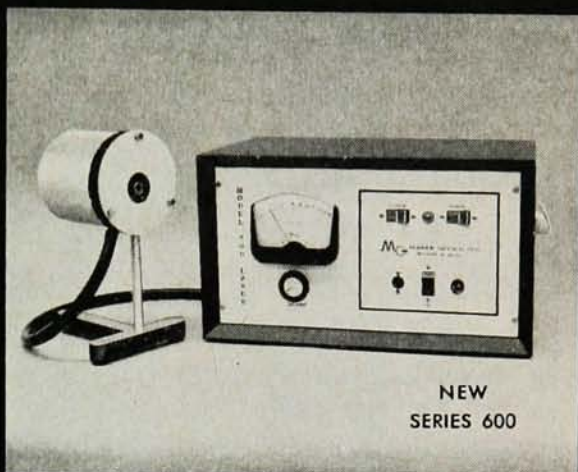
Documentation

The tenth report in the series *Current Research and Development in Scientific Documentation*, a semiannual publication containing descriptions of research and development projects in the field of scientific documentation and related areas, was released in October by the National Science Foundation.

The report covers the scientific documentation activities of some 450 projects carried out in 21 countries, including the United States, the Soviet Union, England, France, the Netherlands, the Federal Republic of Germany, Sweden, Israel, Italy, and Japan. It includes descriptions of projects concerned with the information needs of scientists, the uses made of scientific information, communication problems in science and technology, new methods for the storage and retrieval of information, mechanical trans-



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Optical Society of America 47th Annual Meeting
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Semi-Elements, Inc. report to the
Boston Laser Conference August 2 & 3, 1962
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The main research interests of the Department are in Solid State Physics and facilities for research are available in this general field. Current research projects include:

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Further information may be obtained from F. H. Johnson, Registrar, Monash University, P. O. Box 92, Clayton, Victoria, Australia, to whom enquiries should be addressed to the Head of the Physics Department, Professor R. Street. Applications close on 30th November, 1962.

lation of languages, and the design of equipment for processing scientific information. Also included in the report are descriptions of research on problems not immediately connected with scientific documentation, which nevertheless appear significant in the sense that their solution seems likely to have an impact on the future of documentation: e.g., character and pattern recognition, speech analysis and synthesis, linguistic analysis and lexicography, and artificial intelligence.

Copies of the tenth report can be obtained for \$1.25 each from the Superintendent of Documents, US Government Printing Office, Washington 25, D. C.

Periodicals

Canada's National Research Council has compiled a second edition of the *Directory of Canadian Scientific and Technical Periodicals*. The directory lists more than 400 titles, including a selected number of periodic government publications, and is obtainable from the Library, National Research Council, Sussex Drive, Ottawa 2, Canada, at a cost of \$1.

With the aid of a National Science Foundation grant, the Pan American Union and the Centro de Documentación Científica y Técnica de México have prepared a *Guide to Latin American Scientific and Technical Periodicals, An Annotated List*. The 187-page guide, which lists some 1100 publications, can be obtained from the Pan American Union, General Secretariat, Organization of American States, Washington, D. C. for \$4.

The Institute of the Aerospace Sciences recently issued its *Annual Index to International Aerospace Abstracts* for 1961. The publication contains a 300-page subject index of some 11 000 entries included in the abstract service in 1961, together with an author index and a list of the abbreviations employed. Copies of the *Index* are priced at \$20 for individual IAS members and \$60 for nonmembers. Orders should be addressed to the Institute of the Aerospace Sciences, 2 East 64th Street, New York 21, N. Y.

The IAS announced in July that it plans to issue *International Aerospace Abstracts* twice a month, instead of on a monthly basis, under the terms of a contract with the National Aeronautics and Space Administration. The IAS-NASA contract, which is intended to provide increased information services to NASA centers, prime contractors, and other groups and individuals working in the aerospace fields, calls for the expansion of the IAS collection of published literature and the improvement of its technical library services. Each issue of the abstract service will contain an index, and separate, cumulative indexes will be issued quarterly, semiannually, and annually. The project, which is headed by John J. Glennon, Director, IAS Technical Information Service, will be coordinated with NASA's existing information system for unpublished literature.