



REUTER-STOKES products for nuclear research and radiation measurements

PROPORTIONAL COUNTERS

Neutron Detectors:

General purpose BF₃, He³ and Boron-10 lined thermal neutron detectors.

Beam monitor and end window designs for neutron spectroscopy.

Hurst type fast neutron detectors.

Gamma Radiation Detectors:

Beryllium window designs for low energy X and gamma radiation.

IONIZATION CHAMBERS

Neutron Detectors:

BF₃ filled and Boron-10 lined — uncompensated. Boron-10 lined — gamma compensated.

In core flux probes.

Special designs for operation in extreme temperature/moisture/radiation environments.

Gamma Radiation Detectors:

For monitoring a wide range of high or low intensity radiation.

Designs which include a built-in remotely operated calibration source.

FISSION COUNTERS/CHAMBERS

Depleted or enriched uranium coated for thermal or fast neutron detection.

SEMIRAD

Detectors with nanosecond response time for measurement of high intensity neutron (thermal or fast) or gamma radiation.

DETECTOR ACCESSORIES

Watertight detector housings.

Ceramic insulated cable connectors which mate to chamber/counter connectors.

Inorganic insulated cable assemblies for use with detectors in high temperature/humidity/radiation environments.

NEUTRON SCINTILLATORS

Cerium activated containing natural, enriched or depleted lithium.

SPECIAL SERVICES

Electro-plating of special nuclear materials such as uranium and neptunium to metal.

Boron coating of metal.

NEW CATALOG — contains full information on Reuter-Stokes products. Send for your copy today.

REUTER-STOKES ELECTRONIC COMPONENTS, INC.

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1961, the index is divided into three parts: an alphabetically arranged author's index, an alphabetical corporate-author's index, and a numerical report-number index. *List of References on Nuclear Energy, Index 1959-1961* is sent free of charge to governmental and private organizations, and to individual scientists who receive the *List of References*. Additional requests are fulfilled according to availability, and should be sent to the Director, Division of Scientific and Technical Information, International Atomic Energy Agency, Kärntner Ring 11, Vienna 1, Austria.

Instrument Society Publications

The Instrument Society of America has published a 378-page reference to *Standards and Practices for Instrumentation*. The book contains over 271 instrumentation and automatic control standards and recommended practices developed by 19 technical organizations, listed by title, identifying number, abstract, revision date, and availability. Also included are recommended practices of the ISA in complete form, titles of British and Canadian standards, and names of indexes for further investigation of US Government standards. Copies are available from the Publications Department, ISA, 530 William Penn Place, Pittsburgh, Pa., for \$22.50 (ISA members, \$15) each.

To help fill the need for a single uniform transducer data source, the Instrument Society has prepared an *ISA Transducer Compendium*. Edited by Emil J. Minnar, manager of ISA's technical and educational operations, the volume provides a guide to transducer state-of-the-art and product-performance data for over 37 000 transducers covering 1250 model series. Transducers are grouped according to motion, dimension, pressure, force and torque, flow of materials, sound, electric and magnetic quantities, temperature, chemical composition analysis, time and frequency, electromagnetic radiation, nuclear and penetrating radiation, humidity, and level. Each model is described in more than 20 columns of specific data. Copies of the book can be obtained from the Plenum Press, 227 West 17 St., New York 11, N. Y., for \$25 (\$30 foreign) each.

Nuclear Data Newsletter

Current programs in the collection and analysis of nuclear data are outlined in a recent newsletter by Katherine Way of the NAS-NRC Nuclear Data Group. Included in the first issue of nine pages are brief descriptions of activities of such groups as the Brookhaven Sigma Center, the Mainz-Amsterdam Group, the Nuclear Data Group, and others, as well as the status of latest publications in the field. Inquiries concerning *World-Wide News of Compilations in Nuclear Physics*, Vol. 1, No. 1, September 1963, should be addressed to Dr. Katherine Way, Nuclear Data Group, National Academy of Sciences-National Research Council, Washington 25, D. C.