

BRONOPTICS COMPANY

Optical Research, Development, Production, Lenses, Mirrors, Prisms, Assemblies, Systems, Prototypes, Precision or Commercial Optics.

Prompt Service

4838 Van Nuys Blvd., Sherman Oaks, Cal.

POSITIONS OPEN

CHEMICAL PHYSICISTS AND PHYSICISTS

Research supervisory positions open in expanding Physics Department emphasizing materials investigations and devices based on ferroelectrics, electrostatics, photoconductors, piezoelectrics and magnetic materials. Unusual opportunities for individual diversification, intellectual advancement, and personal stimulation. Please apply to Personnel Manager:

HORIZONS INCORPORATED

2905 East 79th Street

Cleveland 4, Ohio

Physicist—Immediate opening to take charge of medical physical aspects of radioisotopes and radiation therapy in very new building and equipment. Large Medical School—Teaching hospital, well staffed. Retirement—Insurance program. Salary and surroundings excellent. Write Dr. I. Meschan, Bowman Gray School of Medicine, Winston-Salem, North Carolina.

OPPORTUNITIES AVAILABLE

TRANSLATORS

of European, especially Russian, German, Italian, and Scandinavian, and Far East Languages in all branches of Physics, Chemistry, and Engineering. Full time or free lance. Must be experienced specialists with fluency in English and given foreign language. Replies held confidential. Submit résumé to: A.T.S., P. O. Box 271, East Orange, New Jersey.

POSITIONS WANTED

PHYSICIST-SPECTROSCOPIST

As I desire to continue active beyond age 65, the normal age of retirement at my present institution, I now offer my services two years before reaching that age. Interested in educational, industrial or government work. Available on reasonable notice. Resume of education and experience on request. Box 41, College Station, Pullman, Washington.

Physicist—Translator

Staff member of large industrial research organization; will relocate. For complete résumé please write 957, Physics Today, Advertising Offices, 335 E. 45th St., New York.

sity, Bethlehem, Pa. The scope of the Division of Fluid Dynamics covers kinetic theory, statistical mechanics, structure and dynamics of gases, liquids, and other fluids. Among the areas of physics included are hydrodynamics, dynamics of compressible fluids, shock and detonation wave phenomena, hypersonic physics, rarified gases and upper atmosphere phenomena, transport phenomena, magnetohydrodynamics, ionized fluid and plasma flow, plastic flow, boundary layer and turbulence phenomena, as well as certain basic aspects of fluid dynamics in areas bordering geophysics, astrophysics, biophysics, and other fields of science.

Abstracts of papers should be sent to the program chairman, F. N. Frenkiel, Applied Physics Laboratory, The Johns Hopkins University, Silver Spring, Md., and must reach his office not later than October 11th. The abstracts should be prepared in accordance with the rules prescribed by the American Physical Society which can be found in any recent *Bulletin* of the Society.

Reliability and Quality Control

THE Fourth National Symposium on Reliability and Quality Control, sponsored by the Institute of Radio Engineers, will be held January 6-8, 1958, at the Hotel Statler, Washington, D. C. The symposium will cover fields of reliability in the electronics industry and will include discussions on the following topics: Reliability Organization and Management, Theory and Mathematical Techniques and their Application, Design Information, and Education and Training for Reliability. *Transactions* of the symposium will be published at a later date. For further information write to Richard M. Jacobs, RCA, Building 108-2, Moorestown, N. J.

Electronic and Atomic Collisions

A CONFERENCE on the Physics of Electronic and Atomic Collisions will be held on January 27 and 28, 1958, at New York University. It will be jointly sponsored by NYU, the Office of Naval Research, and the Air Force Office of Scientific Research and Development. The subject matter of the conference will include the experimental and theoretical aspects of electron and positron scattering by atomic and simple molecular systems, collisions between atoms and/or ions, photo and charge exchange processes, etc. The emphasis will be on fundamental processes rather than on the collective properties which characterize many solid-state and gas discharge phenomena.

A group of scientists from Great Britain, the Soviet Union, and Japan have been invited to attend as guests of the sponsors. The steering committee for this conference consists of B. Bederson and S. Borowitz (NYU), S. Geltman and S. Smith (National Bureau of Standards), W. Fite (General Atomic), M. Biondi (Westinghouse), J. W. Bond, Jr. (Convair), S. G. Reed (ONR), and W. J. Otting, Jr. (AFOSRD).

Those interested in attending are invited to write to S. Geltman, National Bureau of Standards, Washington 25, D. C. Contributed papers (of about 15-minute duration) are being solicited.