

ASSISTANT DIRECTOR OF RESEARCH

To Supervise Group of Project Engineers Engaged in Fundamental Research and Development Projects Under Government Contract.

An outstanding opportunity for an advanced physicist now engaged in research in a University Laboratory, for a Government Bureau or in Private Industry who feels his full capacities and talents are not being utilized in his present work.

Highest academic standing and background of experience required in one or more of the following fields:

Photoelectric Emission
Secondary Electron Emission
Physical and Electron Optics
Solid State Physics
Ultrasonics

Work in well equipped Manhattan laboratories of leading electronic manufacturing concern.

Top Compensation for Qualified Man

Our staff advised of this ad. Write full details including salary required to Box 1151, 57 East 55 St., New York 22, New York.

FUSED QUARTZ OF OPTICAL QUALITY

.. This new grade of transparent fused quartz will considerably extend the field of usefulness of the material.

Optical fused quartz is isotropic and is superior to natural quartz in applications involving polarized light. The low coefficient of expansion makes it an ideal material for lenses, prisms, optical flats, and in interferometry. Optical fused quartz shows practically no birefringence and no optical activity. Therefore, it is possible to use a single fused quartz prism in place of two crystal quartz prisms.

A fundamental improvement is the lack of absorption at the waveband of 2400 Å. Its transparency compares favorably with crystal quartz at 2300 Å and longer wavelengths. The finest grade of optical quartz is free of bubbles and striae and is, therefore, very suitable for image projection even where high temperatures are involved.

SPECIAL PRODUCTS SALES DIVISION

HANOVIA CHEMICAL & MFG. CO.
DEPT. F, NEWARK 5, N. J.

Calendar of events

November

- 7-10 Second Conference on Coastal Engineering (Sponsored by Southwest Research Institute), Rice Hotel, Houston, Texas
- 8-9 American Philosophical Society, Philadelphia, Pennsylvania
- 8-9 Seventh Annual National Conference on Industrial Hydraulics, Hotel Sherman, Chicago, Illinois
- 8-10 Electron Microscope Society of America (Ninth Annual Meeting), Franklin Institute, Philadelphia, Pennsylvania
- 8-10 Geological Society of America, Detroit, Michigan
- 13 Society for Applied Spectroscopy, Sacony-Vacuum Training Center, New York City
- 14-15 International Symposium on Abrasion and Wear (Sponsored by Rubber-Stichting), Delft, Holland
- 19-20 Society of Exploration Geophysicists, Baker Hotel, Dallas, Texas
- 22-2 Premier Salon de la Chimie et la VII^e Exposition de Matériel de laboratoire, d'Instruments d'optique et scientifiques et d'Appareils de mesure, de Contrôle industriel et de Régulation, Paris, France
- 25-30 American Society of Mechanical Engineers, Chalfonte-Haddon Hall, Atlantic City, New Jersey
- 28-30 Scientific Apparatus Makers Association (Midyear Meeting, Laboratory Apparatus; Optical, and Nautical, Aeronautical, and Military Instrument Sections), Hotel New Yorker, New York City
- 29-30 Ninth Annual Pittsburgh Diffraction Conference, Mellon Institute, Pittsburgh, Pennsylvania
- 30-1 American Physical Society, Houston, Texas
- 30-5 American Society of Mechanical Engineers, Hotel Statler, New York City

December

- 2-5 American Society of Refrigerating Engineers, Hotel Roosevelt, New Orleans, Louisiana
- 2-5 American Institute of Chemical Engineers, Chalfonte-Haddon Hall, Atlantic City, New Jersey
- 5 Mechanics Colloquium (Sponsored by Illinois Institute of Technology and Armour Research Foundation). Lecture on "Soil Mechanics Problems of Interest to Other Branches of Mechanics". Illinois Institute of Technology, Chicago, Illinois
- 17 Institute of the Aeronautical Sciences, Fifteenth Wright Brothers Lecture, U. S. Chamber of Commerce Auditorium, Washington, D. C.
- 26-29 American Astronomical Society, Cleveland, Ohio
- 26-31 American Association for the Advancement of Science, Philadelphia, Pennsylvania
- 27-28 Symposium on Nucleation (Sponsored by Division of Industrial and Engineering Chemistry of the American Chemical Society), Northwestern University, Evanston, Illinois
- 27-29 American Physical Society, Berkeley, California

January

- 9 American Society of Civil Engineers, Joint Meeting with Mechanics Colloquium of Armour Research Foundation and Illinois Institute of Technology. Illinois Institute of Technology, Chicago, Illinois
- 14-18 Society of Automotive Engineers (Annual Meeting), Hotel Book-Cadillac, Detroit, Michigan

- 16-18 Society of Plastics Engineers, Edgewater Beach Hotel, Chicago, Illinois
 27-31 National Conference on the United Nations and the Specialized Agencies (Sponsored by U. S. National Commission for Unesco), Hunter College, New York City
 31-2 American Physical Society, New York City

February

- 6 Mechanics Colloquium Lecture on "Elastic Vibrations of Bodies of Non-Trivial Shape". Illinois Institute of Technology, Chicago, Illinois
 7-9 Inter-Society Color Council (Annual Meeting), Hotel Statler, New York City

March

- 3-7 American Society for Testing Materials, Hotel Statler, Cleveland, Ohio
 4-6 Society of Automotive Engineers, Detroit, Michigan
 5 Mechanics Colloquium Lecture on "Turbulence Investigations and Some Applications in Engineering". Illinois Institute of Technology, Chicago, Illinois
 5-7 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn Hotel, Pittsburgh, Pennsylvania
 10-12 National Association of Corrosion Engineers (Eighth Annual Conference and Exhibition), Galvez Hotel, Galveston, Texas
 16-19 American Institute of Chemical Engineers, Atlanta, Georgia
 17-19 Second Midwestern Conference on Fluid Mechanics, Ohio State University, Columbus, Ohio
 20-22 American Physical Society, Columbus, Ohio
 20-22 Optical Society of America, Hotel Statler, New York City
 23-27 American Chemical Society (121st National Meeting), Buffalo, New York
 24-26 American Society of Mechanical Engineers, University of Washington, Seattle, Washington
 30-3 American Chemical Society (121st National Meeting), Milwaukee, Wisconsin

April

- 2 Mechanics Colloquium Lecture on "Use of Reeves and IBM Computers in the Solution of Some Non-Linear Vibration Problems". Illinois Institute of Technology, Chicago, Illinois
 10-12 American Physical Society, Southeastern Section, North Carolina State College, Raleigh, North Carolina

May

- 1-3 American Physical Society, Washington, D. C.
 6-9 Scientific Apparatus Makers Association (Annual Meeting), Edgewater Beach Hotel, Chicago, Illinois
 7 Joint Meeting of the Western Society of Engineers, the Society for Experimental Stress Analysis, and the Mechanics Colloquium of Armour Research Foundation and Illinois Institute of Technology, Northwestern University, Evanston, Illinois
 8-10 Acoustical Society of America, New York City
 11-14 American Institute of Chemical Engineers, French Lick, Indiana
 18-25 Achema X—Exhibition Meeting of Chemical Engineering, in conjunction with annual meetings of the Dechema and of the Committee for Chemical Engineering of the Association of German Engineers, Frankfurt am Main, Germany

June

- 15-19 American Society of Mechanical Engineers, Sheraton Gibson, Cincinnati, Ohio
 23-27 American Society for Testing Materials (Fiftieth Anniversary), Hotels Statler and New Yorker, New York City
 25-27 APS Division of Fluid Dynamics, University of Utah, Salt Lake City, Utah
 30-3 American Physical Society, Denver, Colorado

use the **CLASSIFIED ADS** in **PHYSICS** today

CARGILLE HEAVY LIQUIDS

For determining the Specific Gravity of Minerals and Other Substances by the Sink-or-Float Method.

New type of liquid extends the range to 7.5 Specific Gravity.

Write for Leaflet HL-PT

R. P. Cargille

118 Liberty Street New York 6, N.Y.

The TECHNION (Institute of Technology), Haifa, Israel, proposes to appoint a professor or associate professor or senior lecturer in mathematics, a professor of physics, and an assistant for rheological research.

Applicants should have first-rate professional and academic qualifications, be willing to integrate themselves into the life of the country and, in due course, to teach in Hebrew.

Applications with full details should be sent, for transmission to Haifa, to:

THE AMERICAN TECHNION SOCIETY
154 Nassau Street
New York 38, New York

POSITION OPEN

BASIC HIGH TEMPERATURE RESEARCH

Ph.D. or M.S., with training or knowledge of: Heat conduction, elasticity, crystal structure, or metallurgy. Opportunity for publication, advancement in small eastern university; housing available. Submit detailed résumé to: Box 1051A, 57 East 55 Street, New York 22, New York.

POSITIONS FOR

Physicists with advanced degrees in varied fields of industry High salaries.

CONFIDENTIAL SERVICE

Mail or bring in 3 resumes including recent snapshots to

POSITION SECURING BUREAU INC.

Agency Established 1922

45 John Street New York 38, N.Y.

POSITION OPEN

RESEARCH OPPORTUNITY

Eastern University, location New Jersey, requires physicist with Ph.D. or equivalent in experience, good background in solid state physics and knowledge of X-ray diffraction, for research studies on imperfections of crystal structure and particle size determination. Good knowledge of instrumentation required. Experience in metallurgy desirable. Write Box 1151A, 57 East 55 Street, New York 22, New York.