A. JAEGERS

Offers 35 years Experience

MANUFACTURE OF PRECISION OPTICS

We have millions of war surplus lenses and prisms in stock. Send for catalogue

691-T Merrick Road

Lynbrook, N. Y.

POSITION OPEN

PHYSICIST-UNSPECIALIZED

Young Ph.D. Physicist (or equivalent) for applied research in well-known research laboratory in eastern Pennsylvania. Reply by letter giving details to Box 453.

Suspensions up to 7.5 sp. gr. formulated to speci-fications with respect to sp. gr. and type of constituents.

Ask for leaflet HL-PT. Write regarding your requirements R. P. CARGILLE LABORATORIES, INC.

117 Liberty St.

New York 6, N.Y.

WILLIAM W. FATON

Industrial Consultant Engineering and Applied Physics

60 EAST 42nd STREET NEW YORK 17, N. Y.

MUrray Hill 2-2351

FOR SALE RECORDING X-RAY SPECTROMETER

Used North American Phillips, Cat. No. 42320, complete with power supply, counter, scaler, recorder, Cu and Fe target X-Ray tubes and accessories. In good condition.

PETTY LABORATORIES, INC. x 2061 San Antonio, Texas P. O. Box 2061

PHYSICIST OF ELECTRICAL ENGINEER

to provide leadership and originality in the development of small electro-mechanical devices. Related experience desirable. High order of analytical ability essential. Under 35. Southeastern Pennsylvania industry beyond metropolitan area. Box 453C, 57 East 55 Street, New York 22, New York.

PHYSICAL CHEMISTS AND PHYSICISTS FOR RESEARCH WORK ON DETONATIONS AND STRONG SHOCKS. REPLY BOX 453A, 57 East 55 Street, New York 22, New York.

PHYSICIST with background of INFORMATION THEORY

wanted for a responsible, permanent position on our research and development staff. Unusually interesting projects, military and industrial. Excellent working conditions. Ph.D. with at least 5 years' post-doctorate experience in experimental physics preferred. U. S. citizenship required.

PAUL ROSENBERG ASSOCIATES 100 Stevens Avenue, Mount Vernon, New York

lalendar of events

Further information about these meetings can be obtained by writing to the addresses indicated in parentheses.

April

- Akron Polymer Lecture Group, Akron University, Akron, Ohio (J. W. Liska, Firestone Tire and Rubber Co., Akron 17, Ohio) 10
- 10-11 American Physical Society, New York State Section, spring mtg., Schenectady, N. Y. (L. W. Phillips, University of Buffalo, Buffalo, N. Y.)
- American Association of Physics Teachers, Chesapeake Section, spring mtg., George Washington University, Washington, D. C. (J. R. Heverly, U. S. Naval Academy, Annapolis, Md.) 11

- Annapolis, Md.)

 14 Physics Club of Chicago, Chicago, Ill. (J. E. Ancell, 1043 N. Laramie Ave., Chicago, Ill.)

 15-17 Symposium on Optical Problems of Vision, Madrid, Spain (S. S. Ballard, Tults College, Medlord 55, Mass.)

 16 American Institute of Electrical Engineers Symposium, Engineering Societies Building, N. Y. C. (AIEE, 33 W. 39th St., New York 18, N. Y.)
- American Association of Physics Teachers, Kentucky Section, Louisville, Ky. (R. Hanau, University of Kentucky, Lexington, Ky.) 17
- International Commission of Optics of the IUPAP, Madrid, Spain (S. S. Ballard, Tufts College, Medford 55, Mass.) 20-21
- Ceramic-To-Metal Seals, symposium, Rutgers University, School of Ceramics, New Brunswick, N. J. (H. J. Sullivan, 346 Broadway, New York 13, N. Y.) 21
- General Theory of Semiconductors, lecture by H. K. Henisch, also April 30, May 7, and 14, Polytechnic Institute, Brooklyn, N. Y. (P. P. Ewald, Polytechnic Institute, 99 Livingston St., Bklyn. I, N. Y.) 23
- 23-24 International Symposium on Nonlinear Circuit Analysis, Engineering Societies Bldg., N. Y. C. (Polytechnic Institute of Brooklyn, Microwave Research Institute, 55 Johnson St., Bklyn. I, N. Y.)
- 23-25
- American Philosophical Society, annual, Philadelphia, Pa. (Independence Square, Philadelphia, Pa.)
 American Physical Society, Ohio Section, spring mtg. Columbus, Ohio (Leon E. Smith, Denison University, Granville, Ohio)
- 24-25 American Association of Physics Teachers, Wisconsin Section, Wisconsin State College, LaCrosse, Wis. (Miss M. E. Bainter, Wisconsin State College, Stevens Point, Wis.)
 24-25 American Mathematical Society, Chicago, Ill. and N. Y. C. (AMS, 80 Waterman St., Providence 6, R. I.)

- 26-30 American Ceramic Society, annual, Statler Hotel, N. Y. C. (ACS, 2525 N. High St., Columbus, Ohio)
 National Academy of Sciences, annual, Washington, D. C. (R. L. Zwener, National Academy of Sciences, Washington, D. C.)
- Electronics Components Symposium, Shakespeare Club, Pasadena, Calif. (A. M. Zarem, Stanford Research Institute, Los Angeles, Calif.) 20-1
- American Physical Society, Washington, D. C. (K. K. Darrow, Columbia University, New York 27, N. Y.) 30-2

May

- American Association of Spectrographers, symposium, Chicago, Ill. (J. P. Pagliassotti, Standard Oil Co., Box 431, Whiting, 1
- American Association of Physics Teachers, Colorado and Wyoming Section in conjunction with Colo-Wyo. Academy of Science, annual, Colorado College, Colorado Springs, Colo. (A. A. Bartlett, University of Colorado, Boulder, Colo.)
- American Association of Physics Teachers, Oregon Section, Oregon State College, Corvallis, Ore. (K. E. Davis, Reed College, Portland 2, Ore.)

 American Mathematical Society, Palo Alto, Calif. (AMS, 80 Waterman St., Providence 6, R. I.) 2
- 2

- American Geophysical Union, annual, Washington, D. C. (W. E. Smith, 2101 Constitution Ave., N.W., Washington, D. C.)
- Acoustical Society of America, Hotel Warwick, Philadelphia, Pa. (W. Waterfall, 57 E. 55th St., New York 22, N. Y.) 7-9
- Physics Club of Chicago, Chicago, Ill. (J. E. Ancell, 1043 N. Laramie Ave., Chicago, Ill.) 12
- Operations Research Society of America, annual, Case Institute of Technology, Cleveland, Ohio (R. F. Rinehart, Case Institute of Technology, Cleveland 6, Ohio) 15-16
- The Physical Society, annual, London, England (Miss A. C. Stickland, 1 Lowther Gardens, Prince Consort Rd., London, 20
- American Association of Physics Teachers, Indiana Section, spring mtg., Ball State Teachers College, Muncie, Ind. (E. Martin, Hanover College, Hanover, Ind.) 23
- Canadian Association of Physicists, annual, University of Western Ontario, London, Ont. (H. Grayson-Smith, University of Toronto, Toronto 5, Canada) 28-30

Tune

- Annual Conference on Industrial Research, Columbia University, N. Y. C. (A. H. Rubenstein, Columbia University, New York 27, N. Y.) 1-5
- Symposium on Molecular Structure and Spectroscopy, Ohio State University, Columbus, Ohio (R. A. Oetjen, Ohio State University, Columbus 10, Ohio)
- American Association for the Advancement of Science, Pacific Divisions, Santa Barbara, Calif. (AAAS, Smithsonian Institution Bldg., Washington, D. C.)
- 16-24 International Congress on Electroacoustics and Symposium on the Sound Insulation of Light-Weight Structure, The Hague, Hilversum, Delft, and Eindhoven, Netherlands (H. A. Barton, 57 E. 55th St., New York 22, N. Y.)
- 18-20 American Physical Society, Rochester, N. Y. (K. K. Darrow, Columbia University, New York 27, N. Y.)
 22-24 Symposium on Microwave Optics, McGill University, Montreal (G. A. Woonton, McGill University, Montreal, Canada)
- 22-26 American Crystallographic Association, summer mtg., Ann Arbor, Mich. (H. W. Pickett, General Electric X-Ray Corp., 4855 Electric Ave., Milwaukee 14, Wis.)
- 25-27 American Association of Physics Teachers, Pittsburgh, Pa. (M. White, Pennsylvania State College, State College, Pa.)
- British Instrument Industries' Exhibition, National Hall, Olympia, London, England (F. W. Bridges and Sons, Ltd., Grand Bldgs., Trajalgar Square, London W.C. 2)

July

- 5-11 Colloquium on Cosmic Rays, Bagneres de Bigorre, France (H. A. Barton, 57 E. 55th St., New York 22, N. Y.)
- Conference on Ionisation Phenomena in Discharges, Clarendon Laboratory, Oxford, England (G. Francis, Clarendon Laboratory, Oxford, England)
- 19-25 International Congress of Radiology, Copenhagen, Denmark (Flemming Nørgaard, Kommunehospitalet, Copenhagen, Denmark)
- 21-28 International Union of Crystallography, Paris, France (Miss E. A. Wood, Bell Telephone Laboratories, Murray Hill, N. J.)
- 26-31 International Congress on Rheology, Oxford, England (G. W. Scott Blair, University of Reading, Reading, England)

August

- International Congress of the History of Science, Jerusalem, Israel (F. S. Bodenheimer, Hebrew University, Jerusalem, Israel)
- 26-28 American Mathematical Society, Corona, Calif. (AMS, 80 Waterman St., Providence 6, R. I.)
- American Astronomical Society, Boulder, Colo. (D. E. Laughlin, University of Michigan, Ann Arbor, Mich.)
- American Geophysical Union, Minneapolis, Minn. (W. Smith, 2101 Constitution Ave., N.W., Washington, D. C.)

September

- British Association for the Advancement of Science, annual, Liverpool, England (BAAS, Burlington House, London, W. 1)
- International Conference on Theoretical Physics, Kyoto and Tokyo, Japan (H. A. Barton, 57 E. 55th St., New York 22, N. Y.) 15-23
- American Association for the Advancement of Science, Alaska Division, Juneau, Alaska (AAAS, Smithsonian Institution Bldg., Washington, D. C.) 28-3

To be Published This Month!

ELEMENTS OF PHYSICS

By GEORGE SHORTLEY, Deputy Director, Operations Research Office, The Johns Hopkins University; and Dudley Williams, Professor of Physics, the Ohio State University.

Thoroughly explaining classical mechanics, heat, sound, light, electricity, and engineering, the authors present a new text in general physics, with an additional section on modern physics.

Basic concepts are introduced in a logical manner and in such a way that the student does not have to "unlearn" when he takes advanced courses.

Carefully graded problems are introduced immediately after topics as they appear in the text. Simple substitution problems are presented first in each set and are followed by more complicated numerical problems and then by derivations.

The text follows the MKS system of metric units, except in special cases where they are awkward and are not used in practical work. Electrical units are MKS Coulomb units employed in rationalized form. A gravitational system is employed when British units are involved.

Among the numerous teaching aids are:

- · Questions and problems by chapter
- Worked-out solutions for illustration of principles
- Line drawings and halftone illustrations (several hundred)
- Summaries
- Appendices: including discussions of systems of units; tables of conversion factors; tables of trigonometric functions, logs, and exponentials.

To be published in April

Approx. 800 pages

Illustrated

In the Prentice-Hall Physics Series, Donald H. MENZEL, Editor

Send for your copy today

