

CALENDAR

Meeting announcements intended for inclusion in the calendar should be submitted at least eight weeks before meetings are to take place. Send notices to Physics Today, 335 East 45th Street, New York, N.Y. 10017.

• new announcement

♦ change from previous listing

September 1965

20 Organic Solid State (Franklin Inst.): M. M. Labes, Franklin Inst. Research Labs, Philadelphia 3, Pa. (See June PT, p. 91)

20-22 Inelastic Scattering of Neutrons by Condensed Systems (Brookhaven Nat'l Lab): H. Palevsky, Dept. of Physics, BNL, Upton, L.I., N.Y. (See June PT, p. 91)

21-23 Plasma Electromagnetics of Hypersonic Flight (Boston, Mass.) spon's'd by Air Force Cambridge Research Labs, Office of Aerospace Research, Hanscom Field: A. Cahill, CRD, Symp. Secretary, AFRL, L. G. Hanscom Field, Bedford, Mass.

Megagauss Magnetic Field Generation by Explosives and Related Experiments (Rome) spon's'd by the Italian Physical Soc., Laboratorio Gas Ionizzati: "Megagauss," Laboratorio Gas Ionizzati, CP 65, Frascati (Rome), Italy

21-25 Radio Wave Propagation Factors in Space Communications (Rome) spon's'd by North Atlantic Treaty Organization: Lt. Colonel E. F. Dukes, Executive, Avionics Panel, AGARD, 64 rue de Varenne, Paris 7, France (See Mar. PT, p. 117)

22-24 Canadian High Polymer Forum (Ottawa): H. Daoust, Dept. of Chemistry, University of Montreal, Montreal, Quebec, Canada

23-24 Nonmetallic Thin Films (London) spon's'd by Inst. of Physics and Physical Soc: Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England (See May PT, p. 118)

27-28 Vacuum Microbalance Techniques (Princeton): H. P. Vaughan, Mettler Instrument Corp., 20 Nassau St., Princeton, N.J. (See June PT, p. 93)

27-30 Optics in Space (U. of Southampton) spon's'd by Inst. of Physics and Physical Soc: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England (See June PT, p. 93)

27-2 Semimetal Compounds (Paris) spon's'd by Faculté des Sciences de Paris: A. Michel, Centre d'Orsay, Faculté des Sciences de Paris, Orsay, France

28 Thin Films (New York City) spon's'd by the American Vacuum Society: J. M. Lafferty, General Electric Company Research Laboratory, PO Box 1088, Schenectady, N.Y. (See July PT, p. 89)

28-30 Physics and Nondestructive Testing (Dayton, Ohio): W. J. McGonagale, ITT Research Inst., 10 W 35th St., Chicago, Ill.

28-2 Hyperpure Materials in Science and Technology (Dresden): Inst. for Applied Physics of Hyperpure Materials, Dresden A 20, Winterbergstr. 28, East Germany (See Dec. '64 PT, p. 86)

29-1 American Vacuum Society Symposium and Exhibition (New York City): H. W. Schleuning, Polytechnic Inst. of Brooklyn, 333 Jay St., Brooklyn, N.Y.

30-1 Spectroscopic Studies of Vibrational Modes (Harwell) spon's'd by Inst. of Physics and Physical Soc: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England (See July PT, p. 89)

October 1965

1-2 Exploration of Space (Utica) APS New York State Section Fall Meeting: P. J. Steele, Div. of Science and Mathematics, Utica College, Burtstone Campus, Utica, N. Y.

4-6 URSI-IEEE (Dartmouth College) T. Laaspere, Radiophysics Lab, Dartmouth College, Hanover, N.H.

4-10 German Physical Society (Frankfurt): G. Schubert, Inst. of Theoretical Physics, U. of Mainz, 65 Mainz, German Federal Republic

6-8 Dynamics of Fluids and Plasmas (U. of Maryland): S. I. Pai, Inst. for Fluid Dynamics and Applied Mathematics, U. of Maryland, College Park, Md. (See Aug. PT, p. 87)

Optical Society of America (Philadelphia): Mary E. Wurga, 1155 16th St., NW, Washington 6, D. C.

8-9 APS New England Section (U. of Maine): J. M. Davies, 1 Maguire Rd., Cochrane, Mass.

9 AAPT New England Section (U. of Maine): J. G. Stipe, Boston U., Boston, Mass.

11-13 Color Centers in the Alkali Halides (U. of Illinois) spon's'd by Advanced Research Projects Agency, Nat'l Science Foundation, Atomic Energy Commission, Harshaw Chemical Co: W. D. Compton, Dept. of Physics, U. of Illinois, Urbana, Ill.

National Academy of Sciences (U. of Washington): Office of the Home Secretary of the Academy, NAS, 2101 Constitution Ave., Washington, D.C.

13-15 Detonation (Silver Spring, Md.) spon's'd by Naval Ordnance Lab, Office of Naval Research: S. J. Jacobs, Naval Ordnance Lab, White Oak, Silver Spring, Md.

14-15 Medium Energy Nuclear Physics (Winnipeg) spon's'd by Nat'l Research Council of Canada, U. of Manitoba: K. G. Standing, Allen Physics Lab, U. of Manitoba, Winnipeg, Canada

18-20 Nuclear Science (San Francisco) spon's'd by Inst. of Electrical and Electronics Engrs: J. J. Kennedy, General Electric Co., Missile and Space Div., Valley Forge Space Technology Center, PO Box 8555, Philadelphia, Pa. (See May PT, p. 120)

19-21 Radio Astronomical and Satellite Studies of the Atmosphere (Boston) spon's'd by Air Force Cambridge Research Labs: G. A. Cushman, Wentworth Inst., 550 Huntington Ave., Boston, Mass. (See Aug. PT, p. 87)

Cloud Physics and Severe Storms (Reno) spon's'd by American Meteorological Soc., U. of Nevada: W. A. Mordy, Desert Research Inst., U. of Nevada, Reno, Nev.

20-22 Gaseous Electronics (Minneapolis), APS Topical Conf., spon's'd by U. of Minn., Honeywell, Inc.: L. M. Chanin, Honeywell Research Center, 500 Washington Ave. S., Hopkins, Minn. (See July PT, p. 89)

24-27 Weak Interactions (Argonne Nat'l Lab): A. Roberts, Div. of High Energy Physics, ANL, 9700 S. Cass Ave., Argonne, Ill.

25-26 Combustion Institute / Western States Section (Santa Barbara): Secretary, CI/WSS, 16902 Bollinger Dr., Pacific Palisades, Calif.

25-27 Society of Rheology (Case Inst. of Technology): I. M. Krieger, Chemistry Dept., Case Inst. of Technology, Cleveland, Ohio (See July PT, p. 89)

Electrical Insulation (Buck Hill Falls, Pa.) spon's'd by National Academy of Sciences-National Research Council: D. W. Thornhill, NAS, 2101 Constitution Ave., NW, Washington, D. C.

28-30 American Physical Society (Chicago): abstracts deadline Sept. 15: R. G. Sachs, Regional Secretary, PO Box 344, Argonne, Ill.

November 1965

2-3 Chemical and Physical Effects of High Energy Radiation on Inorganic Substances (Seattle) spon's'd by American Soc. for Testing and Materials: R. L. Stuart, General Electric Co., Nuclear Materials and Propulsion Operation, Box 15132, Cincinnati, Ohio

3-5 Society of Engineering Science, Inc. (U. of California): E. Teller, Dept. of Applied Science, U. of California, Davis, Calif. (See May PT, p. 120)

3-6 Acoustical Society of America (St. Louis): J. J. Hirsh, Chairman, Central Institute for the Deaf, 818 S. Kingshighway, St. Louis, Mo.

8-11 APS Division of Plasma Physics (San Francisco): abstracts deadline Oct. 1: R. F. Post, Lawrence Radiation Lab, U. of California, PO Box 808, Livermore, Calif.

10-12 Engineering in Medicine and Biology (Philadelphia) spon's'd by Inst. of Electrical and Electronics Engrs., Instrument Soc. of America: H. P. Schwan, Moore School of Electrical Engrg., U. of Pennsylvania, Philadelphia, Pa.

11-13 Bases for Nuclear Spin-Parity Assignments (Gatlinburg), APS Topical Conf.; send abstracts by Oct. 1 to F. K. McGowan, Oak Ridge Nat'l Lab, PO Box X, Oak Ridge, Tenn: Tom Woods, Mountain View Hotel, Gatlinburg, Tenn.

Available From Our New Crystal Growing Facilities

GALLIUM ARSENIDE SINGLE CRYSTALS

Boules up to 250 grams—N and P type

\$17.00 per Gram

Also Metal Crystals—Cu, Pb, Zn, Bi, Al, etc.

All sizes up to 3-6" diameter 10-12" long

Delivery from Stock

Let us quote on all your requirements for your single crystal needs.

Call—Area Code—412-287-4731

NUCLEAR ELEMENTS CORPORATION

420 South McKean St., Butler, Pa.

PhD PHYSICS DEPARTMENT HEAD RESEARCH CENTER

We seek a scientist to manage our modern Physics Research Laboratory. The physics function interfaces company activities in navigation, guidance, and control . . . specifically in the areas of optics, solid state, and astrophysics applied to star tracking, microcircuitry, and navigation. The individual sought must be fully familiar with the technology in these areas.

The scientist selected will project forward needs and translate them into programs for his laboratory and for scientists in the interfacing groups of the company. He will be responsible for developing research and technology that will increase the application of modern physics to benefit the product lines of the company. He will also be expected to recruit a staff of PhD level scientists.

It is desired that candidates have had exposure to military and NASA Laboratories, personnel,

and procedures; as well as working relationships with engineering personnel, preferably in an aerospace environment.

Our Research Center is located in suburban northern New Jersey, just 15 miles west of New York City.

Interested and qualified scientists are invited to advise us of their interest by writing in confidence to Dr. France B. Berger, Director of Research, Dept. 1505, General Precision Aerospace, Little Falls, New Jersey. All inquiries must contain a listing of personal publications.

 **GENERAL
PRECISION INC.**

AEROSPACE GROUP
LITTLE FALLS, NEW JERSEY

A Plan For Progress Company — An Equal Opportunity Employer

KEARFOTT DIVISION

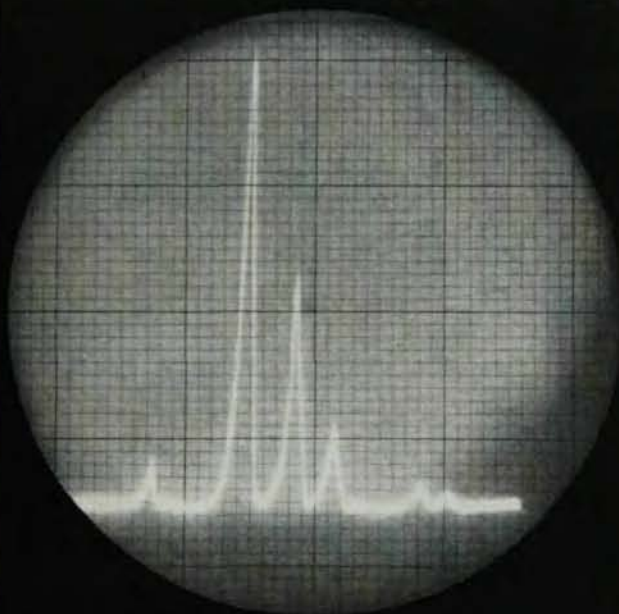
GPL DIVISION

SYSTEMS DIVISION

RESEARCH CENTER

REFRACTOR PLATE TIME-SAMPLES SHORT WAVELENGTH INTERVALS SPEX OPTICAL SCANNING SPECTROMETER

- Mount: $\frac{3}{4}$ -meter Czerny-Turner
- Speed: f/6.8
- Range: from the far infrared to 1850A in a N₂ flushed atmosphere



Boastworthy Data:

High resolution shown in this oscilloscope trace of a Hollow Cathode Fe source scanned by the 1626-II Refractor Plate. This 1/10 sec. scan recorded Fe 3737A, 3735A, 3733A (L to R).

For versatility sake, in addition to the Refractor Plate accessory several other gadgets have been devised:

- A mechanical shutter permitting ordinary photographic exposures
- Straight-through Optics
- Photomultiplier housings, cryogenic or not
- Scanning Attachment, continuously variable from 0.25 to 500A/min.
- Trappings for assorted cameras, including Polaroid
- Appropriate sources and detectors

For investigations in the region from 10 to 1800A perhaps you prefer to join the star and laser-gazers who enthuse over our evacuable Czerny-Turner and grazing incidence spectrometers. We'll gladly share the know-how we have acquired in this area with all who offer us the opportunity.

**SPEX INDUSTRIES, INC. · 3880 PARK AVE.
METUCHEN, N. J., 08841 · ☎ (201) -549-7144**

SOLID STATE and OPTICAL PHYSICISTS

"It is the best boiler God has permitted man to make."

So wrote Thomas A. Edison in 1888 of his 4 B&W boilers, whose steam generated Edison's electricity at his Pearl Street Station in New York City.

That was over 75 years ago, when our efforts were confined to boiler making.

Today B&W is a large, diversified manufacturer of capital goods and, although B&W systems still generate steam for approximately 30% of the U.S.'s total electricity output, we are now also engaged in the manufacturing of solid-state electronic control instrumentation, data processing and handling equipment, highly sensitive measuring devices, and closed-circuit industrial television, to name a few.

Current research activity necessitates expansion of our Physics Section and the addition of two key individuals. They are:

SOLID STATE PHYSICIST with PhD or MS in Physics or EE and strong theory background to lend assistance in leading the effort of developing a solid-state silicon transducer. Emphasis will be on applied research thru to prototype stage.

OPTICS PHYSICIST with PhD or MS in Physics and at least three years experience in Optics. Will be engaged in theoretical and experimental studies in physical optics with particular reference to the optical properties of weak plasma, gases and liquids.

Compensation includes a progressive salary scale—with initial compensation to be determined by education, experience, and potential—paid benefit program, and much opportunity for future growth.

For full consideration, send your resume including present salary, in complete confidence to: Robert F. Dolan.



Babcock & Wilcox

RESEARCH CENTER

1562 Beeson Street, Alliance, Ohio

An Equal Opportunity Employer

THE AMERICAN UNIVERSITY IN CAIRO TEACHING & RESEARCH POSITIONS

The Department of Physical Sciences offers a B.Sc. in Chemistry and M.Sc. in Solid State Science. A new science building will be ready for operation during 1965-66. Latest research equipment are available: XRD-6 General Electric Diffractometer, Beckman DK2A Ultra-Violet & Visible and Perkin-Elmer 337 Grating Infra-red Spectrophotometers, Varian Magnetic susceptibility apparatus, Varian EPR equipment, controlled atmosphere furnaces for glass research, equipment for Solid State laser and semiconductor research, etc.

Salaries range from \$6000-\$15000 depending on rank and experience, T.I.A.A., settling-in allowance. Transportation.

The following positions are available:

1. **Ph.D. in Solid State Science (Chemistry or Physics)** to teach mostly in the graduate program of Solid State Science and supervise graduate studies in the field.
2. **Ph.D. in Theoretical Physics or Applied Mathematics** to teach both graduate and undergraduate theoretical physics or applied mathematics and to supervise students in applying theoretical physics to experimental work in Solid State Science.
3. **Ph.D. in Physical Chemistry or Solid State Chemistry.** Has research experience and an established reputation in research in the field of Solid State Science. To teach senior courses of Physical Chemistry and graduate Solid State Science courses.
4. **Ph.D. in Mathematics or Mathematical Statistics.** To teach undergraduate courses of mathematical statistics as well as general courses in Mathematics. Encouraged to participate in Solid State applied research.

Contact Dean Marion L. Shane,
113 Sharia Kasr El Aini, Cairo,
U.A.R.

15-20 **Telecommunication Techniques** (Madrid) spons'd by Assoc. Nationale des Ingénieurs de Télécommunications: 2nd Internat'l Congress on Telecommunication Techniques, Executive Committee, General Goded 38, Madrid, Spain

16-18 **Physics of Failure in Electronics** (Chicago), spons'd by Rome Air Development Center, IIT Research Inst: M. Goldberg, IIT Research Inst., 10 W. 35th St., Chicago, Ill. (See May PT, p. 120)

16-19 **Magnetism and Magnetic Materials** (San Francisco) spons'd by American Inst. of Physics, Inst. of Electrical and Electronics Engrs: C. F. Kooi, Box 11432, Palo Alto, Calif. (See Aug. PT, p. 87)

22-24 **APS Division of Fluid Dynamics** (Case Inst. of Technology): R. G. Fowler, U. of Oklahoma, Norman, Okla.

Electromagnetic Sensing of the Earth from Satellites (Miami) spons'd by U. of Miami, American Meteorological Soc., American Geophysical Union: EM Sensing Symp., U. of Miami, PO Box 8131, Coral Gables, Fla. (See Aug. PT, p. 87)

22-26 **Plutonium (London)** spons'd by Inst. of Metals: IM, 27 Belgrave Sq., London SW 1, England
Nuclear Electronics (Bombay) spons'd by Internat'l Atomic Energy Agency: IAEA, Kärntner Ring 11, Vienna 1, Austria

26-27 **Interaction of Space Vehicles with an Ionized Atmosphere** (Miami) spons'd by American Astronautical Soc., U. of Miami; send abstracts to A. Hochstim, Inst. for Defense Analyses, 400 Army-Navy Dr., Arlington, Va: AAS Symp., U. of Miami, PO Box 8131, Coral Gables, Fla. (See Aug. PT, p. 87)

December 1965

1-3 **Sonics and Ultrasonics** (Boston) spons'd by Inst. of Electrical and Electronics Engrs: D. L. Arenberg, 94 Green St., Jamaica Plain, Mass. (See July PT, p. 89)

7 **Semiconductor Junctions** (London) spons'd by Inst. of Physics and Physical Soc: Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England

20-22 **American Physical Society** (Los Angeles); abstracts deadline Oct. 15: W. Whaling, Regional Secretary, California Inst. of Technology, 1201 E. California St., Pasadena, Calif.

January 1966

4-7 **Solid-State Physics** (Manchester) spons'd by Inst. of Physics and Physical Soc; send abstracts by Nov. 12 to S. F. Edwards, Dept. of Physics, U. of Manchester: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England (See Aug. PT, p. 87)

26-29 **American Physical Society** (New York City); abstracts deadline Nov. 10: K. K. Darrow, The American Physical Soc., 538 W. 120th St., New York 27, N.Y.

• **American Association of Physics Teachers** (New York City): Melba Phillips, Ryerson Physical Lab, U. of Chicago, Chicago 37, Ill.

31-2 **Society of Rheology** (Monterey, Calif.): D. J. Meier, Shell Development Co., Emeryville, Calif.

February 1966

6-9 • **Instrumental Approaches to Colorant Formulation** (Williamsburg, Va.) spons'd by Inter-Society Color Council: M. Saltzman, Nat'l Aniline Div., 40 Rector St., New York, N.Y.

9-11 • **Solid-State Circuits** (Philadelphia) spons'd by Inst. of Electrical and Electronics Engrs., U. of Pennsylvania; send abstracts by Oct. 15 to K. H. Fischer, US Army Electronics Command, ATTN: AMSEL-KL-1, Ft. Monmouth, N.J.: B. J. Lechner, RCA Labs., Princeton, N.J.

24-26 • **Interdisciplinary Aspects of Radiative Energy Transfer** (Philadelphia); abstracts deadline Oct. 15: J. J. Welch, Space Sciences Lab, General Electric Co., Valley Forge Space Technology Center, Box 8555, Philadelphia, Pa.

March 1966

2-4 **Scintillation and Semiconductor Counters** (Washington, D.C.) spons'd by Nat'l Bureau of Standards, Inst. of Electrical and Electronics Engrs: L. Costrell, NBS, Washington, D.C.

15-18 **Optical Society of America** (Washington, D.C.): Mary E. Wurga, 1155 16th St., NW, Washington 6, D.C.

22-23 • **Biomagnetics** (U. of Illinois); send abstracts by Dec. 1 to M. F. Barnothy, U. of Illinois, 833 S. Wood St., Chicago: D. J. Hoppe, 116 Illini Hall, U. of Illinois, Champaign, Ill.

22-24 • **Neutron Cross Section Technology** (Washington, D.C.), APS Topical Conf.; abstracts deadline Dec. 20: W. W. Havens, Jr., Dept. of Physics, Columbia U., 538 W. 120th St., New York, N. Y.

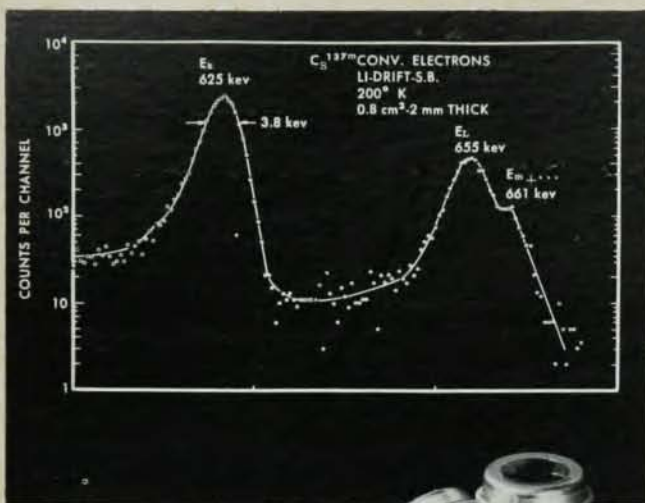
29-1 **Ultraviolet and X-Ray Spectroscopy of Laboratory and Astrophysical Plasmas** (Culham Lab) spons'd by Inst. of Physics and Physical Soc: Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England

31-1 **Theoretical and Applied Mechanics** (U. of South Carolina); abstracts deadline Nov. 15: J. D. Waugh, U. of South Carolina, Columbia, S.C.

April 1966

6-7 • **Phonons** (U. of Edinburgh) spons'd by Inst. of Physics and Physical Soc.; send abstracts by Feb. 1 to W. Cochran, Dept. of Natural Philosophy, The University, Edinburgh 8, Scotland: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England

20-22 • **Magnetics** (Stuttgart) spons'd by Inst. of Electrical and Electronics Engrs., German Working Group for Ferromagnetism; send abstracts by Dec. 7 to E. W. Pugh, IBM Corp., 1000 Westchester Ave., White Plains, N.Y.: V. L. Newhouse, General Electric Research Lab, PO Box 1088, Schenectady, N. Y.



Is this the highest detector resolution obtainable?

Shown above is an example of the high resolution obtained using TMC Lithium Drift Silicon Detectors under controlled conditions. The FWHM on the K conversion line is 3.8 keV or 0.6%. Impressive as this may seem, recent tests have surpassed it. TMC Lithium Drift Semiconductor Detectors are available in a range of six sensitive areas, 80 to 1000 mm², and in five thicknesses, 0.5 to 5.0 mm. We confidently recommend their use when you're looking for sharper energy resolution, faster time response and greater stopping power.

In addition to detectors, TMC can provide low-noise preamplifiers for most solid state detector input requirements and an amplifier-coincidence system for use with TMC and other pulse height analysis systems.



Special Products Division
Technical Measurement Corporation
441 Washington Avenue
North Haven, Connecticut 06473

Please send additional information on Lithium Drift Silicon Detectors.

Name _____
Company _____
Address _____
City _____ State _____ Zip _____

Positions Open

MANAGER

Solid State Physics Laboratory

The Materials Science & Engineering Division of our Research Laboratories has an opening for a Manager of its Solid State Physics Laboratory.

Activities in this Laboratory include superconductivity, EPR and NMR studies, electron transport properties in solids and liquids, crystal defects, semiconductors, lasers and magnetic properties. Opportunity is available for growth in these and other areas of research. Incumbent is encouraged to do own research as well as participate in the work of the group.

We invite inquiries from Ph.D.'s who have experience in the planning and direction of research in the general field of Solid State Physics.

Applicants should submit complete resume including salary requirements to

Dr. Hans Conrad

The Franklin Institute

20th & The Parkway
Phila., Pa. 19103

An Equal Opportunity Employer Under Title VII-Civil Rights Act of 1964

RIAS

(Martin Company's Basic Research Division)

Experimental

CHEMICAL PHYSICIST or PHYSICAL CHEMIST (Ph.D.) who is interested in photolysis, thermal decomposition, studies of physical and chemical properties of organic crystals and solids.

Write Dr. L. Witten, Physics Department
RIAS

MARTIN COMPANY

1450 South Rolling Road
Baltimore, Maryland 21227

Martin Company is a Division of the Martin Marietta Corporation

an equal opportunity employer

• OPTICS
• THIN FILMS
• SOLID STATE



**• PHYSICISTS •
• PHYSICAL SCIENTISTS •**

Our staff of experienced, graduate scientists is prepared to offer you personalized assistance in locating your next position. Write for confidential application or send resume.

**EMPLOYERS PAY FEES
COMPLETE NATIONAL COVERAGE**

WRITE US FIRST **ATOMIC PERSONNEL, Inc.**
Suite 1207M, 1518 Walnut St., Phila., Pa., 19102

• ELECTRONICS
• AEROSPACE
• NUCLEAR

For Sale

Mössbauer spectrometer drives for serious research. Constant acceleration motion is tied to the multi-channel analyzer for stability. Electromechanical linear motor and solid state control drive unit for one velocity range is only \$2,750.00. Specify maximum velocity up to ± 100 cm/s. Two-range unit for \$3,500.00. We also supply superconducting magnets, glass and stainless steel dewars, power supplies, and helium liquid level indicators. Let us quote on your needs.

Austin Science Associates, Inc., P.O. Box 7728, University Station, Austin, Texas 78712

May 1966

- 2-7 • International Commission on Optics (Paris): abstracts deadline Sept. 30: Congress Secretariat, CIO 7, Institut d'Optique, 3, Blvd. Pasteur, Paris 15, France
- 4-6 • Electron Probe Microanalysis (College Park, Md.): A. J. Tousimis, Biodynamics Labs, Washington Science Center, 6010 Executive Blvd., Rockville, Md.
- 31-3 • Radiation Stimulation and Molecular Processes (Paris) spons'd by Society of Physical Chemistry: G. Emschwiller, SPC, 10 rue Vauquelin, Paris 5, France

June 1966

- 1-4 • Acoustical Society of America (Boston): Abstracts deadline March 2: L. Batchelder, Raytheon Co., 20 Seyon St., Waltham, Mass.
- 14-16 • Ceramic Microstructure (U. of Calif., Berkeley): T. H. Cheno-weth, Lawrence Radiation Lab, Berkeley 4, Calif.
- 20-24 • Crystal Growth (Boston) spons'd by Air Force Cambridge Research Labs: M. Schieber, 40 Acorn Pk., Cambridge, Mass.
- 27-30 • Health Physics Society (Houston): send abstracts by Feb. 1 to J. G. Terrill, Jr., Div. of Radiological Health, Dept. of Health, Education, and Welfare, Washington 25, D.C.; O. L. Pirtle, Jr., Hastings Radiochemical Works, PO Box 60448, A. N. S., Houston, Tex.

July 1966

- 4-8 • Rarefied Gas Dynamics (Oxford): abstracts deadline March 1966: C. L. Brundin, Dept. of Engineering Science, U. of Oxford, Parks Rd., Oxford, England
- 12-21 • International Union of Crystallography (Moscow) spons'd by Academy of Sciences of the USSR, Internat'l Union of Crystallography: J. Ibers, Dept. of Chemistry, Northwestern U., Evanston, Ill.

August 1966

- 23-30 • Luminescence (Budapest) spons'd by Internat'l Union of Pure and Applied Physics, Hungarian Academy of Sciences: G. Szigeti, Research Inst. for Technical Physics, Hungarian Academy of Sciences, Budapest, POB: Ujpest 1, No. 76, Hungary

September 1966

- 5-9 • International Organization for Pure and Applied Biophysics (Vienna): abstracts deadline May 15: E. Weidenhaus, Viennese Medical Academy, Alserstr. 4, Vienna 9, Austria
- 8-13 • Physics of Semiconductors (Tokyo) spons'd by Physical Society of Japan, Internat'l Union of Pure and Applied Physics: G. M. Hato-yama, PSJ, Hongo, PO Box 28, Tokyo, Japan
- 21-23 • Physics of Semiconducting Compounds (U. of Wales) spons'd by Inst. of Physics and Physical Soc.: send abstracts by July 1 to R. H. Jones, Dept. of Physics, University College of Swansea, Singleton Park, Swansea: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England

This energy-storage CAPACITOR has the characteristics YOU NEED

- 5 nanohenries
- 3000 joules
- 20 kilovolts
- 10,000 discharges

*Its price
will fit
YOUR
BUDGET.*

\$990 each

(Price becomes effective upon the activation of our new production facility, about September 10, 1965)

*Auxiliaries
suit your
application-
requirements.*

- Discharge-switch, complete with trigger-system especially designed to mate with this capacitor.

The Model ESC-248A capacitor is one of a series comprising units rated at 10 to 25 Kilovolts, 900 to 3000 joules, 4.5 to 60 microfarads—with maximum self-inductance of 5 nanohenries. All units in this series have life expectancy of 10,000 discharges at rated voltage and 80% voltage-reversal.

A 10-inch, parallel-plate terminal-header—standard on all units—fits the mating discharge-switch.

The unique performance and life characteristics of this capacitor have been proved in many research installations.

Ask for Bulletin No. EB365-10; it gives detailed information about physical structure, electrical characteristics, and test standards.

TOBE DEUTSCHMANN

LABORATORIES

CANTON, MASSACHUSETTS 02021 Telephone (617) 828-3366 or 762-6583