

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 17, N.Y.

• new announcement

♦ change from previous listing

December 1964

- 21-23 **American Physical Society** (Berkeley): *W. Whaling, Regional Secretary, California Inst. of Technology, 1201 E. California St., Pasadena.*
- 26-31 **American Association for the Advancement of Science** (Montreal): *R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. (See Nov. PT, p. 112)*
- 28-30 **American Geophysical Union** (Seattle): *J. C. Harrison, Hughes Research Labs, 3011 Malibu Canyon Rd., Malibu, Calif. (See Aug. PT, p. 71)*
- 29-31 **American Astronomical Society** (Montreal): *G. C. McVittie, U. of Illinois Observatory, Urbana, Ill.*

January 1965

- 25-27 **Aerospace Sciences** (New York City) spons'd by American Inst. of Aeronautics and Astronautics: *AIAA, 1290 Sixth Ave., New York 19, N. Y.*
- 25-28 **American Meteorological Society** (New York City): *AMS, 45 Beacon St., Boston 8, Mass.*
- 27-30 **American Physical Society** (Statler Hilton Hotel, New York City): *K. K. Darrow, The American Physical Soc., Columbia U., 538 W. 120th St., New York 27, N.Y.*
- American Association of Physics Teachers** (Statler Hilton Hotel, New York City): *H. R. Crane, U. of Michigan, Ann Arbor, Mich.*
- 28-29 **Society of Rheology** (Santa Barbara, Calif.): *Charles C. Surland, Dept. 4520, Aerojet-General Corp., PO Box 1947, Sacramento 9, Calif. (See Nov. PT, p. 112)*
- 28-30 **American Geophysical Union** (Socorro): *C. R. Holmes, New Mexico Inst. of Mining and Technology, Campus Station, Socorro, N.M.*

February 1965

- 1-3 **American Crystallographic Association** (Rensselaer Polytechnic Inst.): *W. L. Kehl, Secretary, Gulf Research and Development Co., PO Box 2038, Pittsburgh, Pa.*
- 2-6 **Electron Microscopy in Asia and Oceania** (Calcutta) spons'd by Internat'l Federation of Electron Microscope Soc. and Indian Soc. of Microscopy: *N. N. Das Gupta, Electron Microscope Soc. of India, Saha Inst. of Nuclear Physics, 92 Acharya Pratulla Chandra Rd., Calcutta 9, India.*
- 4-5 **Western Spectroscopy Association** (Asilomar, Calif.): *M. W. Windsor, TRW Space Technology Labs, One Space Park, RI/1078, Redondo Beach, Calif.*
- 8-12 **American Society for Testing and Materials** (Cleveland): *ASTM, 1916 Race St., Philadelphia 3, Pa.*

- 15-16 **Louisiana Society for Electron Microscopy** (New Orleans): *R. H. Morriss, Physics Dept., Tulane U., New Orleans, La.*
- 17-19 **Solid-State Circuits** (Philadelphia) spons'd by U. of Pennsylvania, Inst. of Electrical and Electronics Engrs: *L. Winner, 152 W. 42nd St., New York, N.Y.*
- 24-26 **Biophysical Society** (San Francisco): *W. Sleator, Secretary, Washington U. School of Medicine, St. Louis 10, Mo.*
- 25-27 **American Physical Society** (Norman, Okla.): abstracts deadline Dec. 18: *R. G. Sachs, Regional Secretary, Argonne Nat'l Lab, 9700 S. Cass Ave., Argonne, Ill.*
- 26 **Cryogenics in Relation to Vacuum** (London) spons'd by Inst. of Physics and Physical Soc., Joint British Committee for Vacuum Science and Technology: *Administration Assistant, IPPS, 47 Belgrave Sq., London, SW 1, England*

March 1965

- 10-12 **Particle Accelerators** (Washington, D.C.) spons'd by Inst. of Electrical and Electronics Engrs, Nuclear Science Group, Nat'l Bureau of Standards, **American Inst. of Physics/American Physical Soc.**: *R. S. Livingston, Particle Accelerator Conf., Oak Ridge Nat'l Lab, PO Box X, Oak Ridge, Tenn. (See Oct. PT, p. 92)*
- 22-26 **Physics and Chemistry of Fission** (Salzburg, Austria) spons'd by Internat'l Atomic Energy Agency: *J. H. Kane, Internat'l Confs. Branch, Div. of Special Projects, Atomic Energy Commission, Washington, D.C. (See Sept. PT, p. 108)*
- **Thermophysical Properties** (Purdue U.) spons'd by Heat Transfer Div. of American Soc. of Mechanical Engrs: *S. Gratch, Ford Motor Co., PO Box 2053, Dearborn, Mich.*
- 24-27 **American Physical Society** (Kansas City): abstracts deadline Jan. 15: *R. G. Sachs, Regional Secretary, Argonne Nat'l Lab, 9700 S. Cass Ave., Argonne, Ill.*
- 31-2 **Optical Society of America** (Dallas): *Mary E. Warga, 1155 16th St., NW, Washington 6, D.C.*

April 1965

- 5-7 **Elementary Particles** (U. of Birmingham) spons'd by Inst. of Physics and Physical Soc.: send abstracts by Jan. 31 to Conf. Secretary, Elementary Particle Conf., Physics Dept., U. of Birmingham: *Administration Assistant, IPPS, 47 Belgrave Sq., London SW 1, England*

- 5-8 **Physics Exhibition** (Manchester) spons'd by Inst. of Physics and Physical Soc.: *Administration Assistant, IPPS, 47 Belgrave Sq., London SW 1, England*

- 5-9 • **Phenomena in the Neighborhood of Critical Points** (Washington, D. C.) spons'd by Nat'l Bureau of Standards: *M. S. Green, Chief, Statistical Physics Section, NBS, Washington, D. C.*

- 12-14 **Atomic Spectra and Radiation Processes** (Clarendon Lab, Oxford) spons'd by Inst. of Physics and Physical Soc.: *Administration Assistant, IPPS, 47 Belgrave Sq., London SW 1, England*

- 13-14 **Proton Transfer Reactions** (Newcastle-upon-Tyne) spons'd by Faraday Soc.: *B. E. Kronitzer, Assistant Secretary, Faraday Soc., 6 Gray's Inn Sq., London WC 1, England*

- 16-17 • **APS New England Section** (Worcester Polytechnic Inst.): *C. E. Bennett, Chairman, U. of Maine, Orono, Me.*

- 20-22 • **System Theory** (New York City) spons'd by Polytechnic Inst. of Brooklyn, Inst. of Electrical and Electronics Engrs., US Defense Research Agencies, Soc. for Industrial and Applied Mathematics; abstracts deadline Jan. 15: *J. Fox, Secretary, Symp. Committee, PIB, 333 Jay St., Brooklyn, N. Y.*

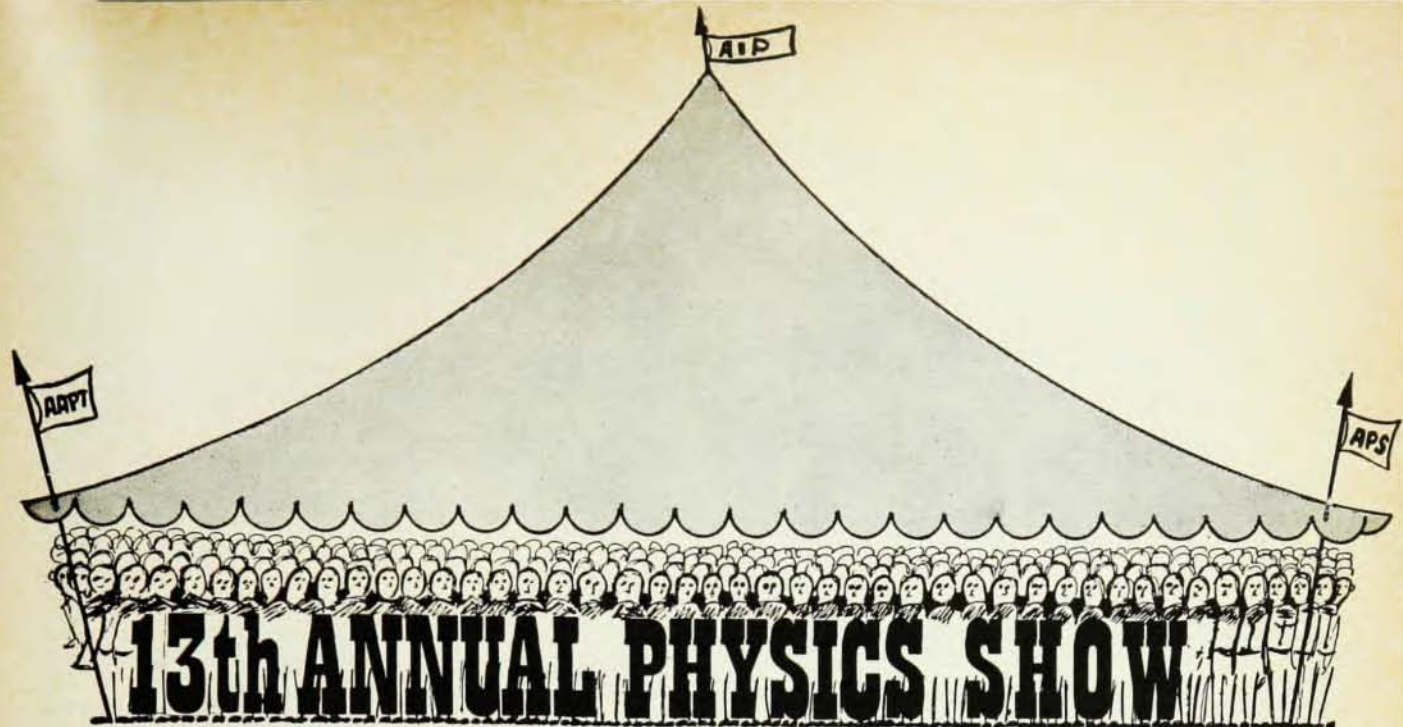
- **Frequency Control** (Atlantic City) spons'd by US Army Electronics Labs: *Director, US Army Electronics Labs, Hq, US Army Electronics Command, Att: AMSEL-RD-PF, Fort Monmouth, N. J.*

- 20-23 **American Meteorological Society** (Washington, D. C.), with American Geophysical Union: *AMS, 45 Beacon St., Boston 8, Mass.*

- 21-23 **Nonlinear Magnetism** (Washington, D.C.) spons'd by Inst. of Electrical and Electronics Engrs: *E. W. Pugh, IBM Components Div., Dept. 231, Bldg. 703-2, Poughkeepsie, N.Y.*

Engineering Aspects of Magneto-hydrodynamics (U. of Pittsburgh) spons'd by American Soc. of Mechanical Engrs., American Inst. of Aeronautics and Astronautics, Inst. of Electrical and Electronics Engrs., U. of Pittsburgh, Carnegie Inst. of Technology; send abstracts by Dec. 14 to E. Reshotko, Program Chairman, Div. of Engrg., Case Inst. of Technology, Cleveland, Ohio: *B. I. Leidy, Dept. of Mechanical Engrg., U. of Pittsburgh, Pittsburgh, Pa.*

- 26-27 **Combustion Institute Western States Section** (Los Angeles): *Secretary, CI/WSS, 16902 Bollinger Dr., Pacific Palisades, Calif. (See Feb. PT, p. 92)*



January 27-30, 1965

Statler Hilton Hotel

New York City

EXHIBITORS

Academic Press
Addison-Wesley
Allyn & Bacon
Alpha Scientific Labs.
Amperex Electronic
Andonian Associates
Appleton-Century-Crofts
Arenberg Ultrasonics
Atomic Accessories Inc.
Baird-Atomic Inc.
Beckman & Whitley
Bendix Balzers
Benjamin, W. A., Inc.
Blaisdell Publishing
Budd Stanley
Cambridge Communications
Central Scientific
Chronetics Corp.
Computer Control
Conference Book Svc.
Consolidated Vacuum
Consultants Bureau
Cryonetics Inc.
Digital Equipment
E-H Research Labs.
Ealing Corp.
Eastman Kodak
Edgerton, Germes. & Grier

Electro Optical Inst.
Electro Scientific Ind.
Electronic Associates
Freeman, W. H., Co.
Gaertner Scientific
General Electric
General Radio
Gordon & Breach
Granville Phillips
Hamner Electronics
Harper & Row
Harshaw Chemical
Heath Company
Hewlett Packard
Hickok Teaching Systems
High Voltage Eng. Corp.
Hofman Laboratories
Holt, Rinehart & Winston
Isomet Corp.
Itek Corp.
Jarrell-Ash Co.
W. J. Johnson Co.
Keithley Instruments
Kinney Vacuum
Klinger, J., Sci. App.
Lansing Research
LaPine Scientific
Linear Inc.

MRC Manufacturing
Macalaster Scientific
MacMillan Company
Magnion, Inc.
Malaker Laboratories
McGraw-Hill Book Co.
Meller, Adolf Co.
Mikros, Inc.
Nanosecond Systems
New England Nuclear
NRC Equipment
Nuclear Chicago
Nuclear Data, Inc.
Nuclear Science & Eng.
Oak Ridge Tech. Entp.
Optics Technology
Packard Instrument
Perkin-Elmer
Prentice-Hall
Princeton Applied Res.
Radiation Counter Labs.
Radiation Dynamics
Radiation Inst. Dev. Lab.
Radio Corp. America
Rawson Elect. Inst.

Reuter-Stokes
Rohde and Schwarz
Semi-Elements Inc.
Simtec Ltd.
Spectra Physics
Spectromagnetic Ind.
Spex Industries
Springer Verlag
STL Products
Sulfrian Cryogenics
Supercon
Tech. Measurement
Tennelec Instrument
Texas Instruments
Texas Nuclear
Tobe Deutschmann Labs.
TRG Incorporated
Vacuum-Electronics
Valpey Crystal
Van Nostrand, D.
Varian Associates
Victoreen Instrument
Welch Scientific
Westinghouse Electric
Wiley, John, & Sons

PRODUCTS

Accelerators • Amplifiers • Analyzers • Computers • Cryogenic Apparatus • Crystals • Detectors • Electrometers • Electron Microscopes • Gaussmeters • High Speed Cameras • Lasers • Magnets and Magnetic Systems • NMR Equipment • Oscilloscopes • Power Supplies • Pulse Generators • Scalers • Spectrometers • Vacuum Equipment and Systems • Many other electronic and nuclear instruments for the research field.

A complete line of Demonstration and Teaching Apparatus—Scientific and Technical Books and Publications.

AUDIENCE

Over five thousand physicists and research specialists—members of the American Physical Society and the American Association of Physics Teachers. Over five hundred technical papers to be presented.

big in '64! bigger in 1965!

In 1964 Semi-Elements, Inc.
Brought You:

- Magnetothermoelectricity
Single Crystals
- CW Gas Laser Systems
- Laser Diode Systems
- Large Metal Single Crystals
- Light Modulator Crystals
- Injection Laser Materials
- Single Crystal Chips
- Single Crystal Refractory
Oxides-Borides-Carbides
Nitrides-Silicides
- Giant Plastic Scintillants

watch us grow!

 **Semi-elements, inc.**
Saxonburg Boulevard, Saxonburg, Pa.
Phone: 412-352-1548

CAN YOU ASSUME A MORE RESPONSIBLE POSITION

Our clients, leading national scientific organizations, are seeking scientists of proven ability to assume research and management positions. As these are extremely responsible positions, interested scientists must be able to demonstrate significant scientific accomplishment in one of the following areas:

*infrared . . . nuclear physics . . . thermodynamics
. . . radar systems . . . communications theory
. . . plasma physics . . . semi-conductor research
. . . magnetics . . . thin films . . . inorganics
. . . satellite systems . . . acoustics . . . optics
. . . cryogenics . . . or thermionics.*

Fees and relocation expenses paid by client companies.

If you qualify for these positions offering remuneration up to \$30,000, you are invited to direct your resume in confidence to:

Mr. Vincent A. Nickerson
Dept. A-12



"EMPLOYMENT SPECIALISTS"

150 Tremont Street
Boston, Massachusetts 02111
HAncock 6-8400

Positions Open

Assistant Engineering Librarian, M.I.T. Library is actively building up book collection and promoting new services utilizing latest documentation techniques. Position entails special responsibilities for technical reports and the selection of books for new Materials Research Center. Qualifications desired: library school degree, familiarity with technical literature, few years experience. Salary depends upon qualifications. Send resume to **Office of Director of Libraries, M.I.T., 14S-216, Cambridge 39, Massachusetts.**

CONSULTANTS—various academic disciplines, including physics, chemistry, biology, and engineering. Preliminary surveys, studies in depth, or second thoughts to augment your own R & D evaluations. **Austin Science Associates, Inc., P.O. Box 7728, University Station, Austin, Texas 78712**

CHAIRMAN, Physics Department, small private West Coast liberal arts college. Ph.D. and college or university teaching experience required. Appointment effective September 1965. Contact: Dr. John P. McDermott, Chairman, Science Division, University of San Diego, College for Men, San Diego, California 92110.

PH.D. PHYSICIST

Graduate school faculty, very light teaching load; active research program. Central interest must be in the areas of **CLASSICAL PHYSICS.**

Ideal community, college town. Write **Dr. McLeod, The Institute of Paper Chemistry, Appleton, Wisconsin.**

- 26-29 **American Physical Society** (Washington, D.C.); abstracts deadline Feb. 5: K. K. Darrow, *The American Physical Soc., Columbia U., 538 West 120th St., New York 27, N.Y.*

May 1965

- 5-7 **Microwave Theory and Techniques** (Clearwater, Fla.) spons'd by Inst. of Electronics and Electrical Engrs: J. E. Pippin, *Sperry Microwave Electric Co., Box 1828, Clearwater, Fla.*
- 6-8 • **Purification of Materials** (New York City) spons'd by the Air Force Cambridge Research Labs, New York Academy of Sciences: M. S. Brooks, *AFCRL, Hanscom Field, Bedford, Mass.*
- 10-12 **Organic Crystals** (U. of Chicago); abstracts deadline Jan. 1: *Secretary, Organic Crystal Symp., U. of Chicago, 5640 S. Ellis Ave., Chicago, Ill.* (See Nov. PT, p. 112)
- 10-14 ♦ **Pulsed-Neutron Research** (Karlsruhe, Germany) spons'd by Internat'l Atomic Energy Agency; abstracts deadline Jan. 4: J. H. Kane, *Internat'l Confs. Branch, Div. of Special Projects, Atomic Energy Commission, Washington, D.C.* (See Oct. PT, p. 95)
- 17-19 **Application of Computing Methods to Reactor Problems** (Argonne Nat'l Lab) spons'd by Mathematics and Computing Div. of American Nuclear Soc., Argonne Nat'l Lab, European Nuclear Energy Agency: B. J. Toppel, *Reactor Physics Div., ANL, 9700 S. Cass Ave., Argonne, Ill.*
- 24-28 **Radioisotope Sample Measurement Techniques in Medicine and Biology** (Vienna) spons'd by Internat'l Atomic Energy Agency: J. H. Kane, *Internat'l Confs. Branch, Div. of Special Projects, Atomic Energy Commission, Washington, D.C.*
- 31-4 **Phase Movements and Changes in Molecular Solids** (Paris) spons'd by Société de Chimie Physique: G. Emschwiller, *Société de Chimie Physique, 10, rue Vauquelin, Paris 5, France*


June 1965

- 2-5 **Acoustical Society of America** (Washington, D.C.); abstracts deadline Mar. 3: G. J. Franz, *David Taylor Model Basin, Washington, D.C.*
- 7-8 **Environment-Sensitive Mechanical Behavior of Materials** (Baltimore) spons'd by Army Research Office-Durham, Physical Metallurgy Committee of American Inst. of Metallurgical Engrs., Martin Co.: A. R. C. Westwood, *7212 Bellona Ave., Baltimore, Md.*
- 14-17 **Health Physics Society** (Los Angeles); send abstracts by Feb. 1 to Walter S. Snyder, *Health Physics Div., Oak Ridge Nat'l Lab, Oak Ridge, Tenn.*; W. L. Fisher, *Health and Safety Lab, Atomic Energy Internat'l, 8900 DeSoto Ave., Canoga Park, Calif.*
- 17-19 • **American Association of Physics Teachers** (U. of Tennessee)



Q. Who uses lasers in education?

A. 85 U. S. colleges and universities are now using one or more Spectra-Physics gas lasers. In a typical application, the Model 119 laser, shown here, is being designed into a system for precision interferometric control of a diffraction grating ruling engine. If you'd like to know why more than two out of three of all commercial CW gas laser users are on the Spectra-Physics list, please write us at 1255 Terra Bella Avenue, Mountain View, California.

 **Spectra-Physics**

TOP-PAYING POSITION in LONG-RANGE POSTDOCTORAL RESEARCH PROGRAMS IN STATISTICAL PHYSICS and MAGNETOGASDYNAMICS

Able and experienced person
sought for important position
with consulting firm

Send résumé to
Dr. Guido Sandri

or

Dr. Edward A. Frieman

**Aeronautical Research
Associates of Princeton, Inc.**

50 Washington Road
Princeton, New Jersey
609-452-2950

*The MicroMetric Corporation
is pleased to announce
the new 1000 series Measuring
Projectors and the 5000 series
Digitized Scanning Tables.
Standard Models and custom
designed to your requirements.*

R.S.V.P.

Box 956

Berkeley, Calif., 94701

415/849-2247

Educational Opportunities

RESEARCH FELLOWSHIPS THEORETICAL PHYSICS INSTITUTE

University of Alberta
Edmonton, Canada

Applications are invited for postdoctoral research fellowships in theoretical physics. Fellowships carry a stipend of \$6,500 p.a. with annual increments of \$500 and are tenable for periods up to three years. Removal assistance is provided by the Institute.

Applicants should ask two or three referees to write letters of recommendation. In addition, applicants should state their age, qualifications and experience and supply a list of publications. All correspondence should be addressed to A. B. Bhatia, Theoretical Physics Institute, University of Alberta, Edmonton, Canada, from whom additional particulars may be obtained.

DUBLIN INSTITUTE FOR ADVANCED STUDIES SCHOOL OF THEORETICAL PHYSICS

The Governing Board of the School of Theoretical Physics invites applications for research Scholarships tenable in the School during the academic year 1965-66. A limited number of stipends is available up to a maximum value of £900 per annum according to qualifications, plus a marriage allowance of £100 per annum.

For further particulars and Forms of Application candidates should apply immediately to **The Registrar, Dublin Institute for Advanced Studies, 9-10, Burlington Road, Dublin 4.** Completed applications should reach the Registrar on or before 1 February 1965.

ROSWELL PARK MEMORIAL INSTITUTE is expanding its M.A. and Ph.D. programs. Fields of study are biochemistry, biology, biophysics, chemistry, crystallography, microbiology, pathology, physiology. Applications and further information may be obtained from: **Dr. Dorita A. Norton, Graduate Studies Office, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, New York 14203.**

GRADUATE ASSISTANTSHIPS for M.A. candidates in physics available at Wesleyan University for September 1965. \$2000 to \$2200 per academic year with tuition and fees remitted. Active research areas include electron spin resonance in crystals, application of Mössbauer effect in solids, field emission spectroscopy, experimental relativity, photoelectric effects in semiconductors, and theoretical low energy nuclear scattering. A 1620 IBM computer is available. For further information write to:
J. S. McIntosh, Chairman, Scott Laboratory, Middletown, Conn.

Positions Open

University of Victoria
Victoria, B. C.

Applications are invited from Physicists with Ph.D. for the position of Associate Professor or Assistant Professor. Duties, which will include teaching and research, will commence on September 1, 1965. Salary will depend upon qualifications and experience.

Send applications, along with complete curriculum vitae, a recent small photograph, and the names of three or four references to Head, Department of Physics.

OVERSEAS

Robert College, in Istanbul, Turkey, presents a challenge in education where East meets West. An opportunity to contribute significantly to the development of a young republic is available to specialists in engineering, mathematics, physics, and chemistry. Graduate degrees required.

Address inquiries to **Mrs. Judith Abrams, Office of the Trustees of Robert College, 548 Fifth Avenue, New York, New York 10036.**

• OPTICS • THIN FILMS • SOLID STATE •
• ENERGY CONVERSION • ACOUSTICS •
• ELECTRONICS • AEROSPACE • NUCLEAR •



**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**

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

• PLASMA • PROPULSION • INFRARED •

UNIVERSITY OF SASKATCHEWAN, REGINA CAMPUS REGINA, SASKATCHEWAN

Applications are invited for appointment as **ASSISTANT PROFESSOR OF PHYSICS** from July 1, 1965. Ph.D. required. Specialization in solid state or theoretical physics preferred but others considered. Duties to consist of teaching and research. Completely new laboratories available.

Salary range: \$7,500 - \$9,800.

Send complete Curriculum Vitae and names of three or four references or request for further information to:

Chairman, Division of Natural Sciences.

Scientific Book Publisher seeks Physics Editor, with broad knowledge of current areas of physics research. Duties will consist of developing ideas for advanced level monographs and treatises, contacting potential authors, maintaining close liaison with important academic and industrial research personnel. Should be willing to travel and enjoy frequent personal association with members of the profession. Please send complete resume to **Box No. 1264B Physics Today, 335 East 45th Street, New York 17, N.Y.**

THE UNIVERSITY OF LANCASTER LECTURESHIPS IN PHYSICS

Applications are invited for posts of Lecturer in Physics from October 1965. Candidates should have postgraduate experience in experimental, or theoretical, solid-state physics. Starting salaries will be within the range £1,400 by £85 to £2,505 per annum (efficiency bar at £2,165 p.a.) plus F.S.S.U. benefits.

Applications (one copy), naming two referees, should be sent not later than January 31st, 1965 to the **Secretary of the University, Bailrigg House, Lancaster (England)**, from whom further particulars may be obtained.

Position Wanted

Ph.D. with interests in **THEORETICAL SOLID-STATE** and **CHEMICAL PHYSICS**. Teaching experience at graduate and undergraduate levels. Research project in progress. Male, 37, married. Desire position in academic institution or pure research organization. Available immediately. All replies answered. **Box # 1264, Physics Today, 335 E. 45 St., New York, N.Y. 10017.**

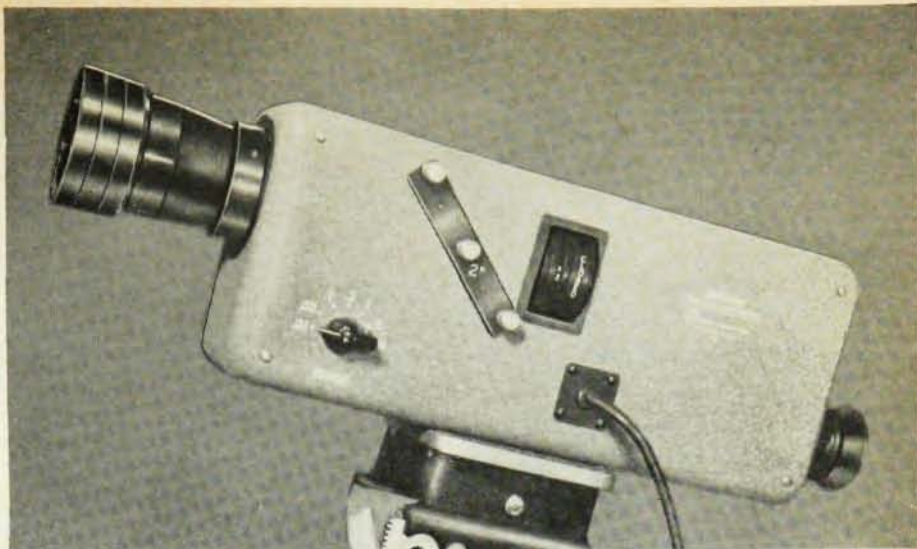
Services

Need a superconducting magnet? *Try us!* Simple or compensated solenoids, according to your needs. Also custom dewars, power supplies, and cryogenic accessories. 30 kilogauss systems from \$2,000. 40 kilogauss Mössbauer magnetic perturbation systems approximately \$7,500. **Austin Science Associates, P.O. Box 7728, University Station, Austin, Texas 78712.**

- 21-23 Physics of Quantum Electronics (San Juan, P.R.) spons'd by Office of Naval Research: *P. L. Kelley, Secretary, Physics of Quantum Electronics Conf., MIT Lincoln Lab, Lexington, Mass.*
- 23-25 American Physical Society (New York City): *K. K. Darrow, The American Physical Soc., Columbia U., 538 West 120 St., New York 27, N.Y.*
- 27-2 American Crystallographic Association (Gatlinburg, Tenn.): *W. L. Kehl, Secretary, Gulf Research and Development Co., PO Box 2038, Pittsburgh, Pa.*
- 28-2 Vacuum (Stuttgart) spons'd by Internat'l Union for Vacuum Science Techniques and Applications: *H. Adam, Scientific Committee, Internat'l Vacuum Congress, Postfach 195, Köln-Bayenthal, Germany*

July 1965

- 1 (through Aug. 25) High-Energy Physics (Les Houches, France), U. of Grenoble Summer School for Theoretical Physics: *Cecile DeWitt, Physics Dept., U. of N. Carolina, Chapel Hill, N.C.*
- 9-11 Heat Flow below 100° K and its Applications (Grenoble) spons'd by Commission on Low Temperature Physics and Thermodynamics, Internat'l Inst. of Refrigeration: *J. Wilks, Chairman, c/o Clarendon Lab, Parks Rd., Oxford, England*
- 12-17 Spectroscopy (U. of Exeter) spons'd by British Spectroscopists Coordinating Committee, Inst. of Physics and Physical Soc: *C. E. Arregger, 1 Lowther Gardens, Prince Consort Rd., London SW 7, England (See May PT, p. 115)*
- 12-18 Pure and Applied Chemistry (Moscow) spons'd by Academy of Sciences of the USSR, Internat'l Union of Pure and Applied Chemistry: *Secretary-General, 20th Congress, Inst. of Chemical Physics, USSR Academy of Sciences, Vorobyevskoye chaussee 2-b, Moscow V-334, USSR.*
- 14-16 Molecular Relaxation Processes (Aberystwyth, Wales); send abstracts by Dec. 31 to M. Davies, Edward Davies Chemical Lab, Aberystwyth: *General Secretary, The Chemical Soc., Burlington House, London W 1, England.*
- 15-21 Education of Professional Physicists (London) spons'd by Education Commission of Internat'l Union of Pure and Applied Physics: abstracts deadline Jan. 1, 1965: *Patricia N. Boston, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London SW 1, England (See Nov. PT, p. 115)*
- 19-21 Properties and Applications of Plasmas (Moscow, USSR): *M. L. Deffet, Centre de Recherches pour l'Industrie des Produits explosifs, Val du Bois, Sterrebeek, Belgium*
- 19-23 Study of Nuclear Structure Using Neutrons (Mol) spons'd by European-American Nuclear Data Committee: *M. Nève, Neutron Physics Dept., Centre d'Etudes Nucléaires, Mol, Belgium*



SPECTRA PRITCHARD PHOTOMETER

NEW 1970-PR MODEL has controls, power supply and read-out meter separated from the photometer. Reads a wider range of brightness than any other meter with seven electrical ranges plus four neutral attenuation ranges — full scale sensitivity from 10^{-4} to 10^8 footlamberts — polarized or unpolarized light. Five interchangeable mirror apertures giving view angles of 6, 15, 30, 60 and 120 minutes of arc are included. Seven inch standard objective lens measures 0.1 inch spot at 5 feet (with accessory lens, will measure 0.0122 inch at 4 inches). Smaller areas and greater sensitivities available on special order. This instrument is a major tool for research scientists in visual psychology and illumination engineering. Write for brochure.



PHOTO RESEARCH corp.



KARL FREUND, President

837 NORTH CAHUENGA BLVD.
HOLLYWOOD, CALIFORNIA 90038

E/COR-15764

SENIOR DEVICE DEVELOPMENT ENGINEERS

We have several openings at our Research and Development Laboratories for senior engineers who are capable of assuming full project-level responsibility for the development, fabrication and evaluation of advanced semiconductor devices (with special emphasis on power devices or integrated circuits) from initial design through transfer of product to manufacturing engineering. These openings require a degree (preferably an advanced degree) and significant applicable industrial experience.

Qualified applicants are invited to send resumes, complete with salary requirements, to:

John P. Anderson
Professional Placement Manager

FAIRCHILD
SEMICONDUCTOR
AN EQUAL OPPORTUNITY EMPLOYER

A Division of Fairchild Camera and Instrument Corporation
313 Fairchild Drive, Mountain View, California