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LOS ALAMOS SCIENTIFIC LABORATORY has openings for Physicists at the Ph.D. level with interests in atomic and molecular research and high temperature physics. These scientists would work with a group that does basic and applied research, and at times also fieldwork, related to the physics of the upper atmosphere and to some phases of plasma physics and gaseous electronics. The ideal candidates would be experimentalists with theoretical interests. Several vacancies also exist for theoretical astrophysicists.

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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

November 1965

15-16 Belfer Science Conference (New York City): *A. Gelbart, Belfer Graduate School of Science, Yeshiva U., Amsterdam Ave. and 186th St., New York 33 N.Y.* (See Oct. PT, p. 120)

16-18 Physics of Failure in Electronics (Chicago), spon's'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) spon's'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) spon's'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)

26-27 Interaction of Space Vehicles with an Ionized Atmosphere (Miami) spon's'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) spon's'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) spon's'd by Inst. of Physics and Physical Soc: *Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England*

14 • Studies of Electron Momentum Distribution in Solids Using Positron Annihilation (Chicago) spon'd by Physics Club of Chicago: *M. Lubin, 743 Circle Ave., Forest Park, Ill.*

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

26-31 • **American Association for the Advancement of Science** (Berkeley): *R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington, D. C.*

27-29 Methods of Solution for Nonlinear Partial Differential Equations (Newark, Del.) spon's'd by U. of Delaware, Nat'l Science Foundation: *W. F. Ames, Dept. of Statistics and Computer Science, U. of Delaware, Newark, Del.*

28-30 **American Astronomical Society** (Berkeley, Calif.): *G. C. McVittie, Secretary, U. of Illinois Observatory, Urbana, Ill.*

29 • **American Mathematical Society** (Berkeley): *AMS, PO Box 6248, Providence, R.I.*

January 1966

4-7 Solid-State Physics (Manchester) spon's'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)

11 • Gaseous Nebulae and Interstellar Matter (Chicago) spon's'd by Physics Club of Chicago: *M. Lubin, 743 Circle Ave., Forest Park, Ill.*

26-28 • **Mathematical Association of America** (Chicago): *R. Hailpern, U. of Buffalo, Buffalo, N. Y.*

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.* (See Oct. PT, p. 120)

31-3 Information Theory (Los Angeles): *A. V. Balakrishnan, Dept. of Electrical Engrg., U. of California, Los Angeles, Calif.*

February 1966

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

8 Problems of Plasma Physics—Plasma Confinement (Chicago) spon's'd by Physics Club of Chicago: *M. Lubin, 743 Circle Ave., Forest Park, Ill.*

9-11 Solid-State Circuits (Philadelphia) spon's'd by Inst. of Electrical and Electronics Engrs., U. of Pennsylvania: *B. J. Lechner, RCA Labs., Princeton.*

10-12 Intermediate-Energy Physics (Williamsburg): *R. T. Siegel, Dept. of Physics, College of William and Mary, Williamsburg, Va.* (See Oct. PT, p. 120)

15-17 • **Radioisotope Applications in Aerospace** (Dayton, Ohio) spon's'd by Air Force Flight Dynamics Lab, Atomic Energy Commission: *AFFDL (FDCL), Attn: P. Polshuk, Wright-Patterson AFB, Ohio*

24-26 Interdisciplinary Aspects of Radiative Energy Transfer (Philadelphia): *J. J. Welsh, Space Sciences Lab, General Electric Co., Valley Forge Space Technology Center, Box 8555, Philadelphia, Pa. (See Sept. PT, p. 115)*

28-2 American Crystallographic Association (Austin): *W. L. Kehl, Secretary, Gulf Research and Development Co., PO Drawer 2038, Pittsburgh, Pa.*

March 1966

2-4 Scintillation and Semiconductor Counters (Washington, D.C.) spon's'd by Nat'l Bureau of Standards, Inst. of Electrical and Electronics Engrs: *L. Costrell, NBS, Washington, D.C. (See Sept. PT, p. 115)*

8 Lensless Photography and Its Implications for Science (Chicago) spon's'd by Physics Club of Chicago: *M. Lubin, 743 Circle Ave., Forest Park, Ill.*

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

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. (See Oct. PT, p. 122)*

29-1 Ultraviolet and X-Ray Spectroscopy of Laboratory and Astrophysical Plasmas (Culham Lab) spon's'd by Inst. of Physics and Physical Soc; *Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England (See Oct. PT, p. 122)*

30-1 American Astronomical Society (Hampton, Va.): *G. C. McVittie, Secretary, U. of Illinois Observatory, Urbana, Ill.*

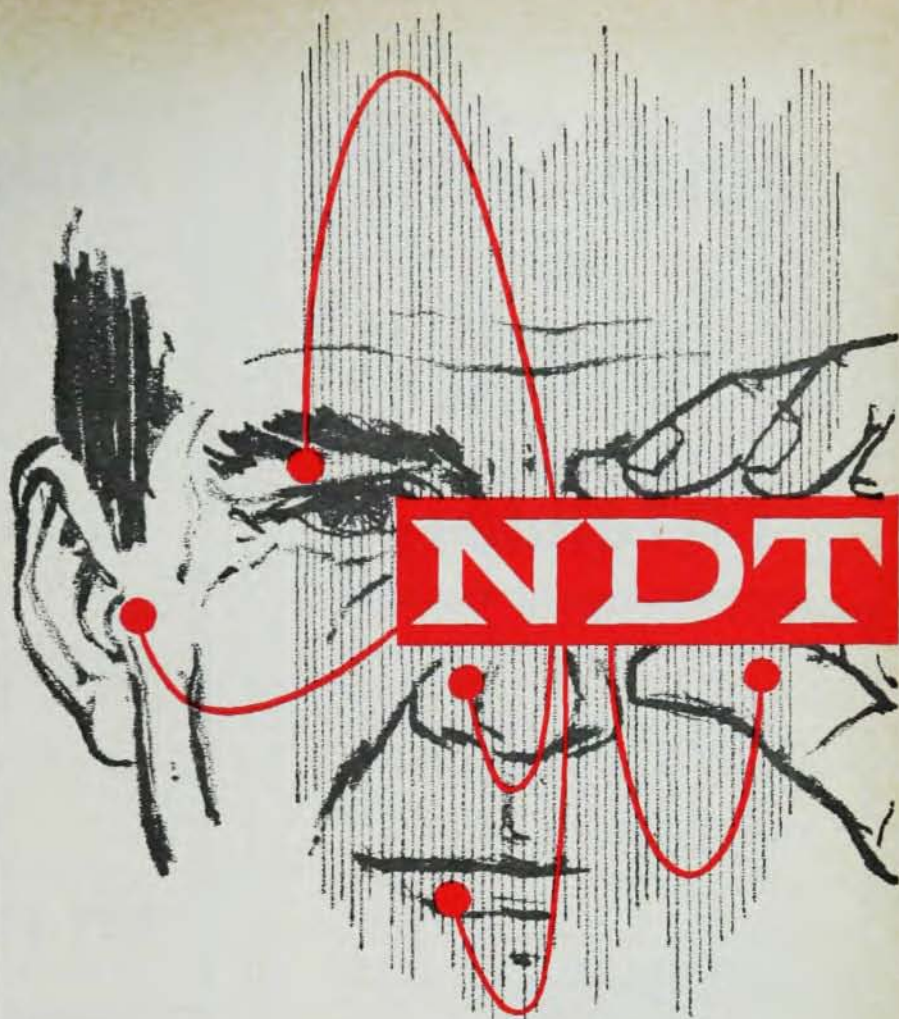
Nuclear and Particle Physics (U. of Oxford) spon's'd by Inst. of Physics and Physical Soc; send abstracts by Feb. 4 to *P. S. Fisher, Nuclear Physics Lab, U. of Oxford, 21 Banbury Rd., Oxford: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, (See Oct. PT, p. 122)*

Engineering Aspects of Magneto-hydrodynamics (Princeton U.) spon's'd by American Soc. of Mechanical Engrs., Inst. of Electrical and Electronics Engrs., American Inst. of Aeronautics and Astronautics, Princeton U.; abstracts deadline Nov. 24: *R. G. Jahn, Guggenheim Labs, Forrestal Research Center, Princeton, N.J.*

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

12 • The Operation and Scope of the Ames Laboratory (Chicago) spon's'd by Physics Club of Chicago: *M. Lubin, 743 Circle Ave., Forest Park, Ill.*



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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* (See Sept. PT, p. 117)

12-15 Quantum Electronics (Phoenix) spons'd by American Inst. of Physics, American Physical Soc., Optical Soc. of America, Inst. of Electrical and Electronics Engrs.; abstracts deadline Jan. 3: J. P. Gordon, Bell Telephone Labs, Murray Hill, N.J. (See Oct. PT, p. 122)

13-15 Integration of Teaching Physics and Chemistry (Sheffield) spons'd by Inst. of Physics and Physical Soc.: *Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1.*

14-15 • Molecular Interactions and the Crystallography of Ceramics (U. of Nottingham) spons'd by Inst. of Physics and Physical Soc.; send abstracts by Jan. 21 to S. C. Wallwork, Dept. of Chemistry, U. of Nottingham, University Park, Nottingham: *Meeting Officer, IPPS, 47 Belgrave Sq., London SW 1.*

19-21 • Performance Assessment of High Vacuum Pumps (U. of Sussex) spons'd by Inst. of Physics and Physical Soc.; send abstracts by Feb. 18 to J. Yarwood, Dept. of Mathematics and Physics, The Polytechnic, Regent St., London W 1: *Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England*

• Frequency Control (Atlantic City) spons'd by US Army Electronics Command; abstracts deadline Dec. 1: M. F. Timm, Electronic Components Lab, US Army Electronics Command, Att: AMSEL-KL-ST, Fort Monmouth, N. J.

20-22 Magnetism (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. (See Oct. PT, p. 122)

21-22 • Early Stages of Constitutional Change in Metals and Other Materials (Nat'l Physical Lab, Teddington) spons'd by Inst. of Physics and Physical Soc., Nat'l Physical Lab: *Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1.*

May 1966

2-7 International Commission on Optics (Paris): *Congress Secretariat, CIO 7, Institut d'Optique, 3, Blvd. Pasteur, Paris 15, France* (See Sept. PT, p. 117)

4-6 Electron Probe Microanalysis (College Park, Md.): A. J. Tousimis, Biodynamics Labs, Washington Science Center, 6010 Executive Blvd., Rockville, Md.

10 • The Clocks of Living Things (Chicago) spons'd by Physics Club of Chicago: M. Lubin, 743 Circle Ave., Forest Park, Ill.

31-3 Radiation Stimulation and Molecular Processes (Paris) spons'd by Soc. 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.

13-16 Ceramic Microstructure (U. of Calif., Berkeley): C. V. Peterson, Lawrence Radiation Lab, Bldg. 62, Rm. 205, Berkeley 4, Calif.

13-17 Society for Applied Spectroscopy (Chicago): abstracts deadline Mar. 1: J. E. Burroughs, Borg-Warner Corp., Roy C. Ingersoll Research Center, Wolf and Algonquin Rds., Des Plaines, Ill.

• Molecular Structure and Spectroscopy (Columbus) spons'd by Ohio State U.; abstracts deadline Apr. 1: K. N. Rao, Dept. of Physics, Ohio State U., Columbus, Ohio

13-18 • American Advancement for the Advancement of Science (Seattle): abstracts deadline Apr. 1: R. C. Miller, California Academy of Science, San Francisco 18, Calif.

14-17 Applied Mechanics (U. of Minn.): abstracts deadline Jan. 15: R. Plunkett, 107 Aero Bldg., U. of Minnesota, Minneapolis, Minn. (See Oct. PT, p. 125)

16-18 • Microwave Theory and Technique (Palo Alto, Calif.) spons'd by Inst. of Electrical and Electronics Engrs.: IEEE, 345 E. 47th St., New York, N. Y.

21-23 • Precision Electromagnetic Measurements (Boulder, Colo.) spons'd by Nat'l Bureau of Standards, Inst. of Electrical and Electronics Engrs.; Internat'l Scientific Radio Union: J. Cronland, Bureau of Continued Education, U. of Colorado, Boulder, Colo.

20-24 Crystal Growth (Boston) spons'd by Air Force Cambridge Research Labs: M. Schieber, 40 Acorn Pk., Cambridge, Mass.

22-24 • Coherence and Quantum Optics (Rochester): abstracts deadline Mar. 10: E. Wolf, Dept. of Physics and Astronomy, U. of Rochester, Rochester, N. Y. (See Oct. PT, p. 125)

26-2 • Radiation Research (Belluno, Italy) spons'd by Internat'l Assoc. of Radiation Research: G. Silini, Secy.-General, Third Internat'l Congress of Radiation Research, Casella Postale 2359, Rome A-D, Italy

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 (See Oct. PT, p. 125)

Magnetohydrodynamic Electrical Power Generation (Salzburg) spons'd by European Nuclear Energy Agency, Internat'l Atomic Energy Agency: ENEA, 38 Blvd. Suchet, Paris, France

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- 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. (See Oct. PT, p. 125)

August 1966

- 21-25 • Electron Microscopy Society of America (San Francisco): G. Thomas, Dept. of Mineral Technology, U. of California, Berkeley 4, Calif.
- 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 (See Oct. PT, p. 127)
- 29-31 • Mathematical Association of America (Rutgers U.): R. Hailpern, U. of Buffalo, Buffalo, N. Y.

September 1966

- 5-7 Rare Earths (U. of Durham) spons'd by Inst. of Physics and Physical Soc.: send abstracts by June 24 to W. D. Corner, Dept. of Physics, South Road, Durham: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England
- 5-9 International Organization for Pure and Applied Biophysics (Vienna): abstracts deadline May 15: E. Weidenhaus, Viennese Medical Academy, Alserstr. 4, Vienna 9, Austria (See Sept. PT, p. 119)
- 5-10 Magnetic Resonance and Relaxation (Ljubljana), 14th Colloque AMPERE, spons'd by Yugoslav Federal Council for Coordination of Research, Nuclear Energy Commission, Groupement AMPERE: Secretary, 14th Colloque AMPERE, Nuclear Institute "Jozef Stefan," Ljubljana, Yugoslavia (See Oct. PT, p. 127)
- 8-13 Physics of Semiconductors (Tokyo) spons'd by Physical Soc. of Japan, Internat'l Union of Pure and Applied Physics: G. M. Hatayama, 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
- 28-30 Physical Basis of Yield and Fracture (U. of Oxford) spons'd by Inst. of Physics and Physical Soc.: send abstracts by Dec. 1 to W. A. Sammons, Smith & Nephew Research Ltd., Gilston Pk., Harlow, Essex: Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England

October 1966

- 19-22 Optical Society of America (San Francisco): Mary E. Warga, 1155 16th St., NW, Washington 6, D.C.

November 1966

- 2-5 • Acoustical Society of America (Los Angeles): I. Rudnick, U. of California, Los Angeles, Calif.



inner space

It is quite obvious today that a complete knowledge of the ocean environment is fundamental to improvements in the ASW art.

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- Cost Effectiveness

RESEARCH

- Ocean Reverberation Contributors
- IR Wake Detection
- Electro Magnetic Sensor Development
- Signal Processing Advancements

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Manager Engineering Employment, Dept. GR-87



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