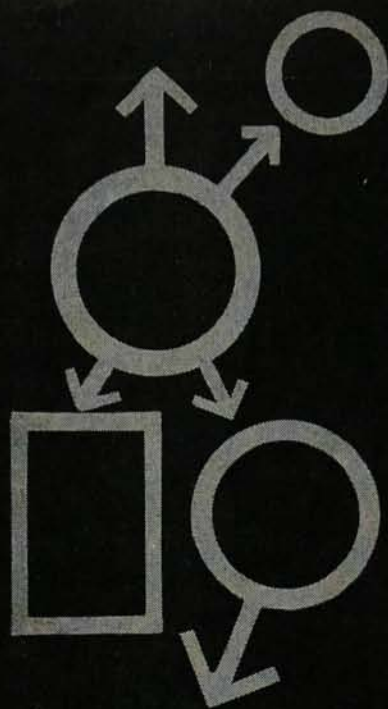




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CALENDAR

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 17, N. Y.

• denotes first appearance of announcement

▲ denotes change in information published in previous listing

November

- 19-21 **APS Division of Fluid Dynamics** (U. of Oklahoma, Norman): R. J. Enrich, Lehigh U., Bethlehem, Pa. (See Sept. PT, p. 98)
- 22-24 Central Association of Science and Mathematics Teachers (St. Louis): J. Kennedy, Indiana State Teachers College, Terre Haute, Ind. (See Sept. PT, p. 98)
- 23-24 **American Physical Society** (Cleveland): K. K. Darrow, 538 W. 120 St., New York 27, N. Y.
- 26-27 Combustion Institute Western States Section (Aerojet, Sacramento): G. S. Bahn, 16902 Bollinger Dr., Pacific Palisades, Calif. (See Sept. PT, p. 98)
- 28-30 Ultrasonics (Columbia U.) spon's'd by Inst. of Radio Engrs.: R. N. Thurston, Bell Telephone Labs, Murray Hill, N. J. (See Sept. PT, p. 100)
- 28-1 **APS Division of Plasma Physics** (Atlantic City) cospon's'd by Princeton U. Plasma Physics Lab: M. B. Gottlieb, Princeton U., PO Box 451, Princeton, N. J.

December

- 4-6 Computers in the Space Age (Philadelphia) spon's'd by American Federation of Information Processing Soc's.: J. W. Leas, Radio Corp. of America, Camden, N. J. (See Aug. PT, p. 84)
- 10-14 ▲ Neutron Detection, Dosimetry and Standardization (Atomic Energy Research Estab., Harwell) spon's'd by Internat'l Atomic Energy Agency: IAEA, Rm. 2265, United Nations, New York 17, N. Y. (See Sept. PT, p. 100)
- 19 Mass Spectrometry (Imperial College, London) spon's'd by Inst. of Physics and Physical Soc.: Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England (See Sept. PT, p. 100)
- 26-30 American Association for the Advancement of Science (Philadelphia): R. L. Taylor, AAAS, 1515 Massachusetts Ave., N.W., Washington 5, D. C. (See Oct. PT, p. 96)
- 26-31 Space Physics (Philadelphia) spon's'd by American Rocket Soc., American Assoc. for Advancement of Science: R. Hohl, ARS, 500 Fifth Ave., New York 36, N. Y.
- 27-29 **American Astronomical Society** (Nat'l Radio Astronomy Observatory, Green Bank, W. Va.): G. C. McVittie, U. of Illinois Observatory, Urbana, Ill.
- 27-29 **American Physical Society** (Stanford U.): W. A. Nierenberg, U. of Calif., Berkeley 4, Calif. (See Oct. PT, p. 98)
- 27-29 American Geophysical Union (Stanford U.): W. W. Kellogg, Rand Corp., 1700 Main St., Santa Monica, Calif. (See Aug. PT, p. 84)

1963

January

- 7-8 Ultra High-Energy Nuclear Physics (U. of Bristol) spon's'd by Inst. of Physics and Physical Soc.; send abstracts to D. H. Perkins, H. H. Wills Physical Lab, Royal Fort, Bristol 8, England: Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England (See Sept. PT, p. 100)
- 8-10 Millimeter and Submillimeter Conference (Orlando, Fla.) spon's'd by Inst. of Radio Engrs.: J. W. Dees, MP-172, PO Box 5837, Martin Co., Orlando, Fla. (See Sept. PT, p. 102)
- 21-24 American Meteorological Society (New York City): AMS, 45 Beacon St., Boston 8, Mass.
- 23-25 • Elevated Temperature Mechanics (Columbia U.), by invitation, spon's'd by Columbia U. Dept. of Civil Engrg. and Engrg. Mechanics, Office of Naval Research: A. M. Freudenthal, 624 Mudd Bldg., New York 27, N. Y.
- 23-26 • **American Association of Physics Teachers** (Statler-Hilton Hotel, New York City): R. P. Winch, Williams College, Williamstown, Mass.
- 23-26 **American Physical Society** (New York City): K. K. Darrow, 538 W. 120 St., New York 27, N. Y.
- 24-28 American Mathematical Society (Berkeley): AMS, 190 Hope St., Providence 6, R. I.
- 26-28 Mathematical Association of America (U. of California, Berkeley): H. M. Gehman, U. of Buffalo, Buffalo 14, N. Y.
- 31-1 **Society of Rheology** (Shell Development Co., Emeryville, Calif.): abstracts deadline Dec. 1: T. L. Smith, Stanford Research Inst., Menlo Park, Calif.

February

- 4-8 American Society for Testing and Materials (Queen Elizabeth Hotel, Montreal): ASTM, 1916 Race St., Philadelphia 3, Pa.
- 5-6 • Engineering for Major Scientific Programs (Georgia Inst. of Technology, Atlanta) spon's'd by Georgia Tech: 75th Anniversary Committee, Georgia Tech, Atlanta 13, Ga.
- 11-15 Quantum Electronics (Paris) spon's'd by Inst. of Radio Engrs., Soc. Francaise des Electroniciens et Radio-electriciens: Mme. Cauchy, Third Quantum Electronics Conf., 7, rue de Madrid, Paris 8, France (See Aug. PT, p. 84)
- 13-15 Electrochemistry (Sydney and Hobart, Australia) spon's'd by Royal Australian Chemical Inst., U. of Tasmania, U. of New South Wales: F. Gutmann, U. of New S. Wales, PO Box 1, Kensington, NSW, Australia
- 18-20 American Standards Association (New York City): ASA, 10 E. 40 St., New York 16, N. Y.

PHYSICS TODAY

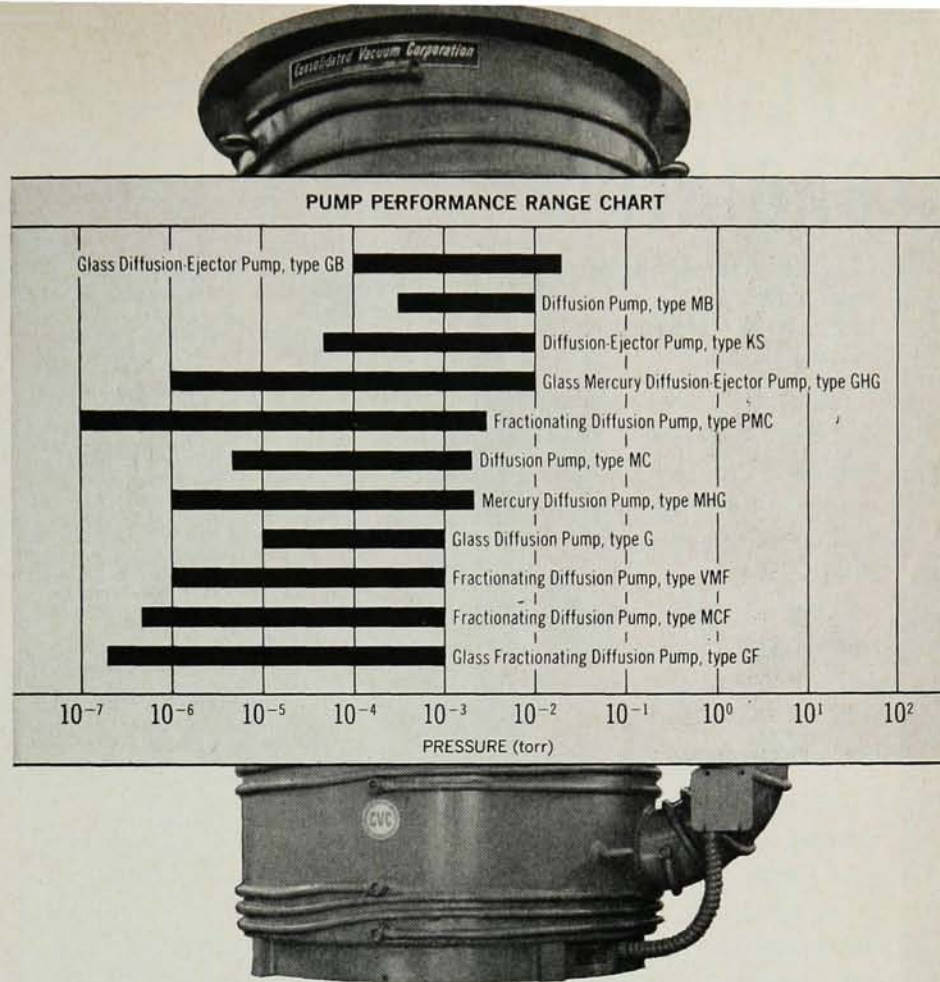
- 20-23 Solid-State Circuits (U. of Pa. and Sheraton Hotel, Philadelphia) spon's'd by Inst. of Radio Engrs., American Inst. of Electrical Engrs., U. of Pa.: F. J. Witt, Bell Telephone Labs, Murray Hill, N. J. (See Sept. PT, p. 102)
- 24-28 American Institute of Mining, Metallurgical, and Petroleum Engineers (Dallas): AIME, 345 E. 47 St., New York 17, N. Y.
- 26-28 Fast-Neutron Physics (Rice U.) spon's'd by Rice U.: G. C. Phillips, Rice U., PO Box 1892, Houston 1, Tex.
- 28-2 Experimental Aspects of NMR Spectroscopy (Mellon Inst., Pittsburgh): C. W. Wilson, III, Research Dept., Union Carbide Chemicals Co., S. Charleston, W. Va.
- 28-2 American Physical Society (Houston); abstracts deadline Dec. 14: K. K. Darrow, 538 W. 120 St., New York 27, N. Y.

March

- 4-8 Analytical Chemistry and Applied Spectroscopy (Penn-Sheraton Hotel, Pittsburgh) spon's'd by American Chemical Soc., Spectroscopy Soc. of Pittsburgh: W. A. Straub, Applied Research Lab, US Steel Corp., Monroeville, Pa. (See Aug. PT, p. 86)
- 5-9 Application of Radioisotopes in Hydrology (Tokyo) spon's'd by International Atomic Energy Agency: IAEA, United Nations, New York 17, N. Y.
- 11-12 Inter-Society Color Council (Statler-Hilton Hotel, New York City): R. M. Evans, Eastman Kodak Co., Color Technology Div., Rochester 4, N. Y.
- 14-15 Advanced Gas-Cooled Reactor (London) spon's'd by British Nuclear Energy Soc.: BNES, 1-7 Great George St., London, S.W.1, England (See Oct. PT, p. 98)
- 19-21 Bionics (Dayton, Ohio) spon's'd by Aeronautical Systems Div. and Aerospace Medical Div., AF Systems Command: Commander, Aeronautical Systems Div., Attn: ASRNEB-3, Lt. Col. L. M. Butsch, Jr., Wright-Patterson AFB, Ohio
- 20-22 Quantitative Spectroscopy and Selected Applications in Space Science (California Inst. of Technology), by invitation, spon's'd by Caltech and government agencies: A. R. Laufer, Office of Naval Research, 1030 E. Green St., Pasadena, Calif. (see Oct. PT, p. 100)
- 24-28 Institute of Radio Engineers (New York City): E. G. Gannett, IRE, 1 E. 79 St., New York 21, N. Y.
- 25-28 American Physical Society (St. Louis); abstracts deadline Jan. 11: K. K. Darrow, 538 W. 120 St., New York 27, N. Y.
- 26-28 APS Division of High-Polymer Physics (St. Louis), in connection with general APS meeting: F. P. Price, Research Labs, GE Co., PO Box 1088, Schenectady, N. Y.
- 28-30 American Crystallographic Association (MIT): B. Post, Brooklyn Polytechnic Inst., Brooklyn 1, N. Y.

April

- 4-6 APS Southeastern Section (Knoxville): H. Carr, Auburn U., Auburn, Ala.
- 10-11 Engineering Aspects of Magneto-hydrodynamics (U. of California, Berkeley) spon's'd by American Inst. of Electrical Engrs.: G. W. Sutton, GE Space Sciences Lab, King of Prussia, Pa.
- 11-13 Natural Radiation Environment (Houston) spon's'd by Health and Safety Office of Atomic Energy Commission, Rice U.: J. A. S. Adams, Rice U., PO Box 1892, Houston 1, Tex.



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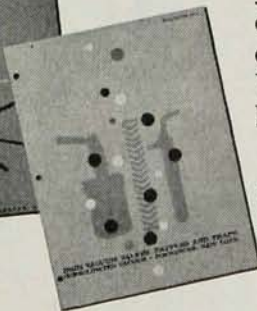
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- 17-19 Institute of Environmental Sciences (Statler-Hilton Hotel, Los Angeles): H. F. Sander, IES, PO Box 191, Mt. Prospect, Ill.
- 17-19 Institute of Environmental Sciences Technical Meeting and Equipment Exposition (Statler-Hilton Hotel, Los Angeles): W. A. Gardner, Org. 7300, Sandia Corp., Albuquerque, N. M.
- 17-19 Sorption Properties of Vacuum-Deposited Metal Films (U. of Liverpool) spons'd by Inst. of Physics and Physical Soc., Joint British Committee for Vacuum Science and Technology; send abstracts by Dec. 1 to J. H. Leck, U. of Liverpool, Brownlow St., Liverpool 3: Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England (see Oct. PT, p. 100)
- 17-19 Nonlinear Magnetics (Shoreham Hotel, Washington, D. C.) spons'd by Inst. of Radio Engrs, American Inst. of Electrical Engrs.: H. F. Storm, 1 River Rd., Bldg. 37, GE Co., Schenectady, N. Y. (See Aug. PT, p. 86)
- 17-20 American Meteorological Society (Washington, D. C.) with American Geophysical Union: AMS, 45 Beacon St., Boston 8, Mass.
- 18-20 Stereology (Vienna) spons'd by Internat'l Soc. for Stereology: K. H. Spitz, Viennese Acad. of Medicine, Alserstr. 4, Vienna 9, Austria (See Sept. PT, p. 104)
- 22-25 Weather Radar (Washington, D. C.) spons'd by American Meteorological Soc. and US Weather Bureau; abstracts deadline Jan. 1: S. G. Bigler, Radar Unit, US Weather Bureau, Washington 25, D. C. (See Sept. PT, p. 104)
- 22-25 American Physical Society (Washington, D. C.); abstracts deadline Feb. 8: K. K. Darrow, 538 W. 120 St., New York 27, N. Y.
- 23-25 Electronic Processes in Dielectric Liquids (U. of Durham) spons'd by Inst. of Physics and Physical Soc.; send abstracts by Nov. 30 to M. J. Morant, Science Labs, S. Rd., Durham City, England: Inst. of Physics and Physical Soc., 47 Belgrave Sq., London S.W.1, England (See Sept. PT, p. 104)

May

- 1-2 Advances in Polymer Science and Technology (London) spons'd by British Plastics Inst., Soc. of Chemical Industry, Inst. of Rubber Industry: J. N. Ratcliffe, Plastics Inst., 6 Mandeville Pl., London W.1, England (See Sept. PT, p. 106)
- 14-19 Mass Spectrometry (San Francisco) spons'd by American Soc. for Testing and Materials; abstracts deadline Feb. 1: N. D. Coggeshall, Gulf Research & Development Co., PO Drawer 2038, Pittsburgh 30, Pa.
- 20-22 Professional Group on Microwave Theory and Technique (Santa Monica, Calif.) spons'd by Inst. of Radio Engrs.; send abstracts by Jan. 5 to I. Kaufman, Space Technology Labs, Inc., 1 Space Park, Redondo Beach, Calif.: A. Clavin, Rantec Corp., Ventura Blvd., Calabasas, Calif.
- 20-23 Mid-America Spectroscopy Symposium (Chicago) spons'd by Soc. for Applied Spectroscopy; abstracts deadline Jan. 15: J. E. Forrester, Borg-Warner Corp., Des Plaines, Ill. (see Oct. PT, p. 102)
- 20-23 Humidity and Moisture (Sheraton-Park Hotel, Washington, D. C.) spons'd by Nat'l Bureau of Standards, US Weather Bureau, American Meteorological Soc., and engineering socs.: J. W. Morgan, Johnson Service Co., Washington, D. C. (See Sept. PT, p. 106)

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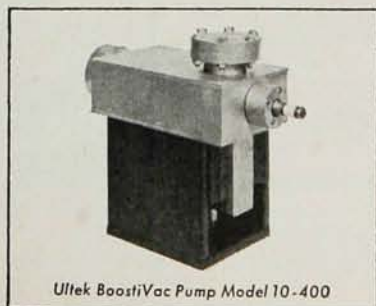
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- 21-23 Spring Joint Computer Conference (Cobo Hall, Detroit) spon's'd by American Federation of Information Processing Socs.; send abstracts and manuscripts by Dec. 1 to B. W. Pollard, Burroughs Corp., 6071 Second Ave., Detroit 32, Mich.; Phyllis Higgins, AFIPS, PO Box 55, Malibu, Calif. (see Oct. PT, p. 102)
- 22-25 Acoustical Society of America (New York City); abstracts deadline Feb. 20; H. F. Olson, Radio Corp. of America, Princeton, N. J.
- 27-31 Application of Large Radiation Sources in Industry (Salzburg) spon's'd by Internat'l Atomic Energy Agency: IAEA, United Nations, New York 17, N. Y.
- 29 Education in Vacuum Science and Technology (Brunel College, London) spon's'd by Inst. of Physics and Physical Soc.; send abstracts to J. C. Pacey, Brunel College, Woodlands Ave., Acton, London, W.3; Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England

June

- 4-8 Molecular Interactions in Liquid Phase (Paris) spon's'd by French Soc. of Physical Chemistry: G. Emschwiller, Soc. of Physical Chemistry, 10 rue Vauquelin, Paris 5, France
- 5-6 Vacuum Engineering (Frankfurt/Main) spon's'd by European Fed. of Chem. Engrs., European Vacuum Study Circle, Union of German Physical Socs.: Symp. Sec., Rheingaullee 25, Frankfurt/Main, Germany
- 6-9 Canadian Association of Physicists (Laval U., Quebec City): Leon Katz, U. of Saskatchewan, Saskatoon, Canada
- 10-14 Molecular Structure and Spectroscopy (Columbus), concurrent with Internat'l Union of Pure and Applied Physics, Internat'l Union of Pure and Applied Chemistry, Internat'l Astronomical Union Triple Commission on Spectroscopy (Columbus): H. H. Neilsen, Ohio State U., Columbus 10, Ohio
- 12-14 Heat Transfer and Fluid Mechanics Institute (California Inst. of Technology); abstracts deadline Jan. 11: A. Roshko, Caltech, Pasadena, Calif. (see Oct. PT, p. 102)
- 17-20 American Nuclear Society (Cincinnati): ANS, 86 E. Randolph St., Chicago 1, Ill.
- 19-21 Automatic Control (U. of Minnesota, Minneapolis) spon's'd by engineering socs.: O. L. Updike, U. of Va., Charlottesville, Va.
- 23-28 American Society for Testing and Materials (Chalfonte-Haddon Hall Hotel, Atlantic City): ASTM, 1916 Race St., Philadelphia 3, Pa.
- 24-28 Thermodynamics and Thermochemistry (Lund, Sweden) spon's'd by Internat'l Union of Pure and Applied Chemistry: S. Sunner, Lund U., Lund, Sweden
- 24-28 Physico-Chemical Properties of Metal-Ammonia Solutions: 1863-1963 (Lille) spon's'd by Faculté Libre des Sciences de Lille, Ecole de Chimie E.H.E.I.: G. LePoutre, Laboratory of Physical Chemistry, 13, rue de Toul, Lille, Nord, France (see Oct. PT, p. 102)
- 27-29 American Association of Physics Teachers (U. of Maine): R. P. Winch, Williams College, Williamstown, Mass.

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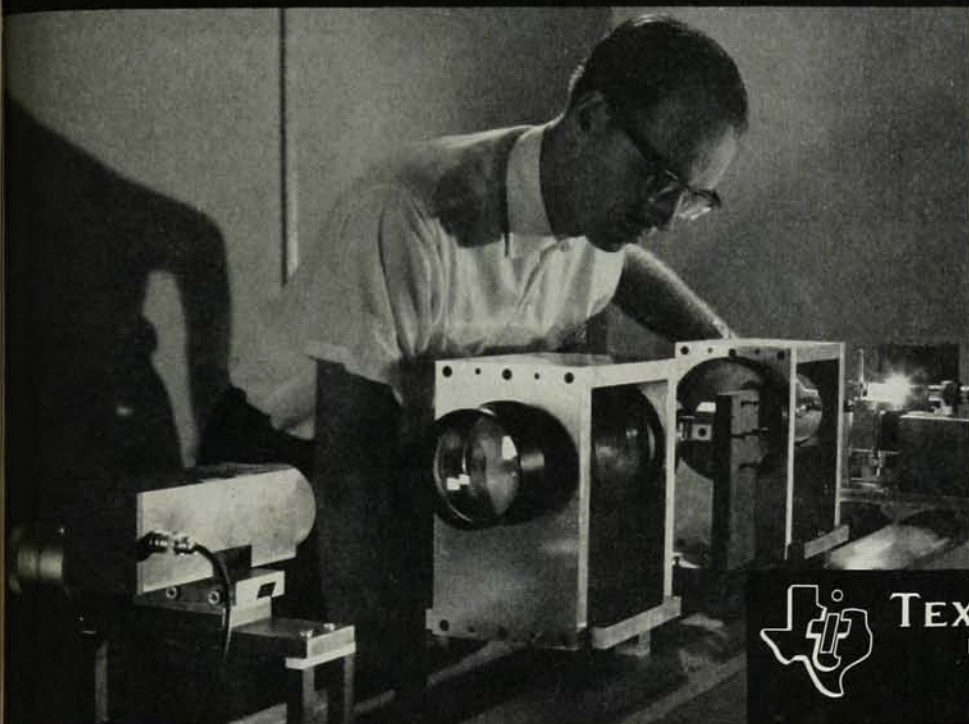
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July

- 1-5 New Nuclear Materials Technology (Vienna) spons'd by Internat'l Atomic Energy Agency: IAEA, United Nations, New York 17, N. Y.
- 8-13 Ionization Phenomena in Gases (Orsay, France): P. Hubert, CEN-FAR, B.P. No. 6, Fontenay-aux-Roses, Seine, France
- 22-26 Physics of Electronic and Atomic Collisions (London): Conference Secretariat, Physics Dept., University College, Gower St., London, W.C.1, England

August

- 4-9 Aerospace Support (Sheraton Park Hotel, Washington, D. C.) spons'd by American Inst. of Electrical Engrs.; send abstracts by Dec. 3 to Technical Sessions Committee, PO Box 6635, Washington 9, D. C.: American Inst. of Electrical Engrs., PO Box 6635, Washington 9, D. C.
- 12-15 International Geophysical Year Results (Los Angeles) spons'd by Internat'l Union of Geodesy and Geophysics: W. L. Godson, Internat'l Assoc. of Meteorology and Atmospheric Physics c/o Meteorological Office, 315 Bloor St. W., Toronto 5, Canada
- 19-31 International Union of Geodesy and Geophysics (U. of California, Berkeley): D. K. Todd, U. of Calif., Berkeley, Calif. (See Dec. '61 PT, p. 88)
- 21-24 Interaction Between Atmosphere and Ocean (Berkeley) spons'd by Internat'l Assoc. of Meteorology and Atmospheric Physics, Internat'l Assoc. of Physical Oceanography, in conjunction with general assembly of Internat'l Union of Geodesy and Geophysics, Aug. 19-31, Berkeley: W. L. Godson, IAMAP, c/o Meteorological Office, 315 Bloor St. W., Toronto 5, Canada
- 21-24 Upper Mantle (Berkeley) in conjunction with general assembly of Internat'l Union of Geodesy and Geophysics, Aug. 19-31, Berkeley: G. Laclavere, IUGG, 53, av. de Breteuil, Paris 7, France
- 25-28 Creep and Fracture (Hotel Biltmore, New York City) spons'd by US and British engineering socs.: N. L. Mochel, Westinghouse Corp., Lester Branch PO, Philadelphia 13, Pa. (See Aug. '61 PT, p. 80)
- 26-28 Mathematical Association of America (U. of Colorado, Boulder): H. M. Gehman, U. of Buffalo, Buffalo 14, N. Y.
- 26-30 American Mathematical Society (Boulder): AMS, 190 Hope St. Providence 6, R. I.
- 26-30 Rheology (Brown U.) spons'd by Society of Rheology, Internat'l Committee on Rheology; send abstracts by Mar. 30 to E. H. Lee, Brown U.: R. S. Rivlin, Brown U., Providence 12, R. I. (See Oct. '61 PT, p. 88)
- 28-31 Electron Microscope Society of America (Denver): V. L. Breemen, Mercy Inst. for Biomedical Research, 2920 E. 16 Ave., Denver 6, Colo.

September

- 2-6 Exponential and Critical Experiments (Netherlands) spons'd by Internat'l Atomic Energy Agency: IAEA, United Nations, New York 17, N. Y.
- 2-7 Dynamic Meteorology (Boulder) spons'd by Internat'l Assoc. of Meteorology and Atmospheric Physics in conjunction with general assembly of Internat'l Union of Geodesy and Geophysics, Aug. 19-31, Berkeley: W. L. Godson, IAMAP, c/o Meteorological Office, 315 Bloor St. W., Toronto 5, Canada



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- 5-20 International Scientific Radio Union (Tokyo): *E. Herbays, 7, pl. Emile Danco, Brussels, Belgium*
- 9-14 International Union of Crystallography (Rome): *E. Onorato, Inst. of Mineralogy, University City, Rome, Italy*

October

- 7-11 Biological Effects of Neutron Irradiations (Vienna) spons'd by Internat'l Atomic Energy Agency: *IAEA, United Nations, New York 17, N. Y.*
- 24-28 Society of Exploration Geophysicists (New Orleans): *T. O. Hall, Box 1536, Tulsa 1, Okla.*

November

- 6-9 Acoustical Society of America (Ann Arbor): *G. Peterson, U. of Mich., Ann Arbor, Mich.*
- 11-15 Physics and Material Problems of Reactor Control Rods (Vienna) spons'd by Internat'l Atomic Energy Agency: *IAEA, United Nations, New York 17, N. Y.*
- 12-14 Fall Joint Computer Conference (Las Vegas) spons'd by American Federation of Information Processing Socs.: *Phyllis Huggins, AFIPS, PO Box 55, Malibu, Calif.*
- 12-15 Magnetism and Magnetic Materials (Atlantic City) spons'd by American Inst. of Physics, American Inst. of Electrical Engrs.: *J. D. Blades, Burroughs Corp. Research Center, Paoli, Pa.*
- 18-21 American Nuclear Society (New York City), meeting jointly with Atomic Industrial Forum and Atom Fair: *O. J. Du Temple, ANS, 86 E. Randolph St., Chicago 1, Ill.*
- 19-21 American Physical Society (Norman, Oklahoma): abstracts deadline Oct. 12: *K. K. Darrow, 538 W. 120 St., New York 27, N. Y.*

1964

January

- 22-25 American Association of Physics Teachers (Statler-Hilton Hotel, New York City): *R. P. Winch, Williams College, Williamstown, Mass.*

February

- 3-7 American Society for Testing and Materials (Sheraton Hotel, Philadelphia): *ASTM, 1916 Race St., Philadelphia 3, Pa.*
- 12-14 Solid-State Circuits (Philadelphia) spons'd by Inst. of Radio Engrs., American Inst. of Electrical Engrs., U. of Pa.: *IRE, 1 E. 79 St., New York 21, N. Y.*

May

- 26-28 Spring Joint Computer Conference (Washington, D. C.) spons'd by American Federation of Information Processing Socs.: *Phyllis Huggins, AFIPS, PO Box 55, Malibu, Calif.*

July

- 26-31 American Crystallographic Association (Montana State College): *B. Post, Brooklyn Polytechnic Inst., Brooklyn 1, N. Y.*

August

- 4-10 Reactivity of Solids (Munich) spons'd by Internat'l Union of Pure and Applied Physics, Internat'l Union of Pure and Applied Chemistry: *R. Morf, F. Hoffman-La Roche et Cie., Basel 2, Switzerland*