

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

April 1965

23-24 **AAPT Central Pennsylvania Section** (Lewisburg, Pa.): *W. S. Porter, Dept. of Physics, Bucknell U., Lewisburg, Pa.*

26-27 • **Inter-Society Color Council** (New York City): *R. M. Evans, ISCC, Eastman Kodak Co., Photographic Technology Div., Bldg. 65, Rochester, N.Y.*

Combustion Institute Western States Section (Los Angeles): *Secretary, CI/WSS, 16902 Bollinger Dr., Pacific Palisades, Calif. (See Feb. '64 PT, p. 92)*

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

28-30 **Shock Tubes** (Washington, D.C.), spons'd by **American Physical Soc. Div. of Fluid Dynamics**: *J. F. Moulton, Jr., Bldg. 323-304, US Naval Ordnance Lab, White Oak, Silver Spring, Md. (See Feb. PT, p. 91)*

May 1965

1 • **AAPT Western Pennsylvania Section** (Allegheny College): *C. Headland, Dept. of Physics, Grove City College, Grove City, Pa.*

(through June 30) **High-Energy and Elementary-Particle Physics (Trieste)** spons'd by the Internat'l Atomic Energy Agency: *C. Fronsdal, Secretary, Internat'l Centre for Theoretical Physics, Piazza Oberdan 6, Trieste, Italy*

5-7 **Microwave Theory and Techniques** (Clearwater, Fla.) spons'd by Inst. of Electrical and Electronics 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.*

8 • **AAPT Michigan Section** (Central Michigan U.): *R. Riggs, 512 Wildwood Ave., Jackson Junior College, Jackson, Mich.*

10-12 **Organic Crystals** (U. of Chicago): *Secretary, Organic Crystal Symp., U. of Chicago, 5640 S. Ellis Ave., Chicago, Ill. (See Nov. '64 PT, p. 112)*

10-14 **Pulsed-Neutron Research** (Karlsruhe, Germany) 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 Oct. '64 PT, p. 95)*

11-13 **Internal Conversion Process** (Vanderbilt U.) spons'd by Atomic Energy Commission, Nat'l Science Foundation: *J. H. Hamilton, Physics Dept., Vanderbilt U., Nashville, Tenn. (See Mar. PT, p. 115)*

12-14 **Instrumentation for High-Energy Physics** (Purdue U.): *L. Kowarski, Purdue U., Lafayette, Ind.*

14-15 **Theoretical Physics** (Ohio State U.): *R. L. Mills, Dept. of Physics, Ohio State U., Columbus, Ohio*

16-21 **Mass Spectrometry and Allied Topics** (St. Louis, Mo.): *H. M. Rosenstock, Nat'l Bureau of Standards, Washington, D.C.*

17 • **Semiconductor Technology** (San Francisco) spons'd by American Inst. of Chemical Engrs: *A. S. Grove, Solid-State Physics Dept., Fairchild Semiconductor, 4001 Junipero Serra Blvd., Palo Alto, Calif.*

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.*

20-21 **Electrical Conduction at Low Temperatures** (Royal Aeronautical Soc., London) spons'd by Inst. of Physics and Physical Soc: *Administration Assistant, IPPS, 47 Belgrave Sq., London SW 1, England (See Feb. PT, p. 91)*

21-22 **Surface Physics** (Washington State U.): *E. E. Donaldson, Physics Dept., Washington State U., Pullman, Wash.*

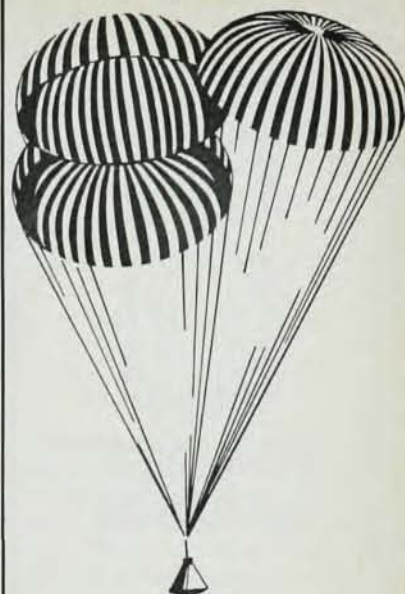
24-28 **Radioisotope Sample Measurement Techniques in Medicine and Biology** (Vienna) spons'd by Internat'l Atomic Energy Agency: *J. H. Kane, Internat'l Confs. Branch, Div. of Special Projects, Atomic Energy Commission, Washington, D.C.*

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*

Exchange Reactions (Brookhaven Nat'l Lab) spons'd by the Internat'l Atomic Energy Agency: *J. H. Kane, Internat'l Confs. Branch, Div. of Special Projects, Atomic Energy Commission, Washington, D.C.*

June 1965

2-5 **Acoustical Society of America** (Washington, D.C.): *G. J. Franz, David Taylor Model Basin, Washington, D.C.*



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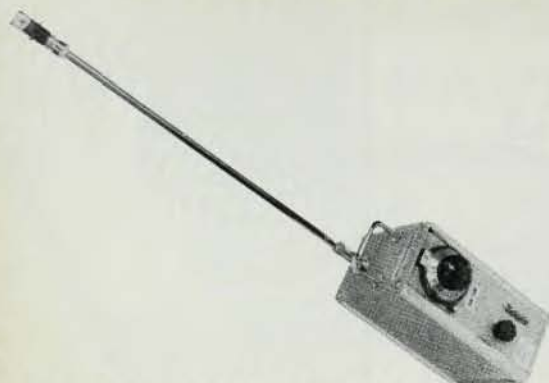
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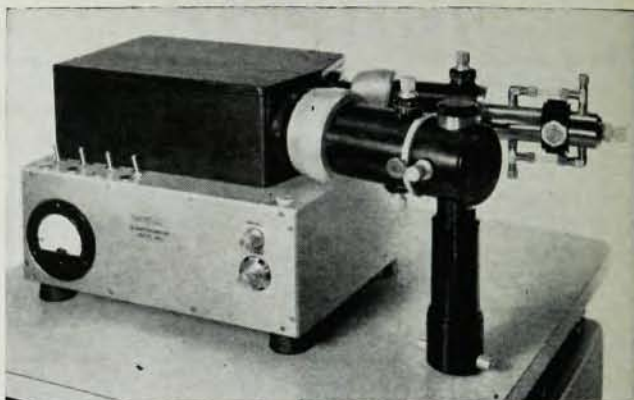
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- 7-8 Environment-Sensitive Mechanical Behavior of Materials (Baltimore) spons'd by Army Research Office-Durham, Physical Metallurgy Committee of American Inst. of Metallurgical Engrs., Martin Co.: A. R. C. Westwood, 7212 Bellona Ave., Baltimore, Md.
- 7-9 Rheology (Washington, D.C.) spons'd by American Soc. of Mechanical Engrs: A. W. Marris, School of Engrg. Mechanics, Georgia Inst. of Technology, Atlanta, Ga. (See Mar. PT, p. 115)
- 8-12 Electron and Photon Interaction at High Energies (Hamburg) spons'd by German Physical Soc: P. Stichel, c/o Deutsches Elektronen-Synchrotron (DESY), 2 Hamburg-Gross Flotbek 1, Notkestieg 1, Germany
- 9-11 Heat Flow Below 100°K and Its Technological Applications (Grenoble) spons'd by Internat'l Inst. of Refrigeration Commission I, Société Air Liquide: Centre de Recherches sur les très basses Températures, BP 319, Grenoble, France (See Feb. PT, p. 91)
- 10-12 Canadian Association of Physicists (Vancouver): G. M. Volkoff, Dept. of Physics, U. of British Columbia, Vancouver 8, B.C., Canada
- 11-12 Resonant Particles (Ohio U.): B. A. Munir, Dept. of Physics, Ohio U., Athens, Ohio
- 13-23 Geophysical Theory and Computers (Rehovoth) spons'd by the Internat'l Union of Geodesy and Geophysics: C. L. Pekeris, Applied Mathematics Dept., Weizmann Inst., Rehovoth, Israel
- 14 (through September 3) Gordon Research Conferences (New Hampshire): W. G. Parks, U. of Rhode Island, Kingston, R.I.
- 14-17 Health Physics Society (Los Angeles): W. L. Fisher, Health and Safety Lab, Atomics Internat'l, 8900 DeSoto Ave., Canoga Park, Calif.
- 14-18 Molecular Structure and Spectroscopy (Ohio State U.): K. Narahari Rao, Dept. of Physics, Ohio State U., 174 W. 18th Ave., Columbus, Ohio (See Feb. PT, p. 91)
- 17-19 American Association of Physics Teachers (U. of Tennessee): Melba Phillips, Ryerson Physical Lab, U. of Chicago, Chicago 37, Ill.
- 22-24 Polymer Science (Ottawa) spons'd by Canadian Nat'l Research Council, Chemical Inst; send abstracts by May 31 to H. Daoust, Chemistry Dept., U. de Montréal, PO Box 6128, Montreal, Quebec: D. M. Wiles, Applied Chemistry Div., Nat'l Research Council, Ottawa, Ont., Canada (See Mar. PT, p. 117)
- 23-25 American Physical Society (New York City): K. K. Darrow, The American Physical Soc., Columbia U., 538 West 120th St., New York 27, N.Y.
- 24-26 Small-Angle X-Ray Scattering (Syracuse U.): H. Brumberger, Dept. of Chemistry, Syracuse U., Syracuse, N.Y.
- 27-2 American Crystallographic Association (Gatlinburg, Tenn.): W. L. Kehl, Secretary, Gulf Research and Development Co., PO Box 2038, Pittsburgh, Pa.
- 28-30 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. (See Jan. PT, p. 160)
- Electromagnetic Scattering (U. of Massachusetts) spons'd by Air Force Cambridge Research Labs: R. L. Rowell, Dept. of Chemistry, U. of Massachusetts, Amherst, Mass. (See Mar. PT, p. 115)
- 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: Cécile DeWitt, Physics Dept., U. of N. Carolina, Chapel Hill, N.C.
- 1-10 General Relativity and Gravitation (London) spons'd by Internat'l Union of Pure and Applied Physics: H. Bondi, Mathematics Dept., Kings' College, London WC 2, England
- 7-9 Molecular Relaxation Processes (Aberystwyth, Wales): General Secretary, The Chemical Soc., Burlington House, London W 1, England (See Jan. PT, p. 160)
- 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 '64 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.
- 15-21 Education of Professional Physicists (London) spons'd by Education Commission of Internat'l Union of Pure and Applied Physics: Patricia N. Boston, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London SW 1, England (See May '64 PT, p. 115)
- 19-21 Properties and Applications of Plasmas (Moscow, USSR) spons'd by Internat'l Union of Pure and Applied Physics: E. S. Starkman, College of Engineering, U. of California, Berkeley, Calif. (See Jan. PT, p. 162)
- 19-23 Nuclear Structure with Neutrons (Antwerp) spons'd by Internat'l Union of Pure and Applied Physics, European-American Nuclear Data Committee: M. Nève, Neutron Physics Dept., Centre d'Etudes Nucléaires, Mol, Belgium
- ### August 1965
- 2-6 High Pressure (Le Creusot, France): Prof. B. Vodar, CNRS, BP 30, Bellevue, Seine-et-Oise, France (See Jan. PT, p. 162)



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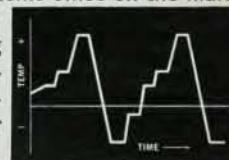
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Physics of Electronic and Atomic Collisions (Laval U., Quebec) spons'd by Internat'l Union of Pure and Applied Physics: *W. L. Fite, Dept. of Physics, U. of Pittsburgh, Pittsburgh 13, Pa.*

4-6 **American Astronomical Society** (Ann Arbor): *G. C. McVittie, U. of Illinois Observatory, Urbana, Ill.*

9-13 **Photonuclear Reactions** (Tilton, N.H.): *W. G. Parks, Dept. of Chemistry, U. of Rhode Island, Kingston, R.I.*

9-27 • **Phonons in Perfect Lattices and in Lattices with Point Imperfections** (U. of Aberdeen): *T. Smith, Dept. of Natural Philosophy, U. of Aberdeen, Aberdeen, Scotland*

14-20 **Molecular Spectroscopy** (Copenhagen) spons'd by European Molecular Spectroscopy Group, Internat'l Union of Pure and Applied Chemistry, Oersted Inst. of U. of Copenhagen Dept. of Chemical Physics: *B. Bak, U. of Copenhagen, Dept. of Chemical Physics, Oersted Inst., 5 Universitetsparken, Copenhagen Ø, Denmark*

16-20 **Liquid Crystals** (Kent, Ohio): abstracts deadline May 1: *G. H. Brown, Dept. of Chemistry, Kent State U., Kent, Ohio*

16-21 **Electron Diffraction and Crystal Defects** (Melbourne) spons'd by Australian Academy of Science, Internat'l Union of Crystallography, Internat'l Union of Pure and Applied Physics: *R. I. Garrod, Aeronautical Research Lab, Box 4331, GPO, Melbourne, Victoria, Australia* (See May '64 PT, p. 115)

16-3 • **Radiation Trapped in the Earth's Magnetic Field** (Bergen, Norway): *B. M. McCormac, IIT Research Inst., 10 W. 35 St., Chicago, Ill.*

22-27 ♦ **Phenomena in Ionized Gases** (Belgrade) spons'd by Yugoslav Union of Mathematical, Physical, and Astronomical Soc., Internat'l Union of Pure and Applied Physics: *Secretariat, PO Box 699, Studentski trg 16/C/IV, Belgrade, Yugoslavia* (See Sept. '64 PT, p. 108)

23-27 • **The Exploration of Mars and Venus** (Virginia Polytechnic Inst.) spons'd by Nat'l Aeronautics and Space Administration, Air Force Cambridge Research Lab: *M. L. Collier, Jr., VPI, Blacksburg, Va.*

24-26 **International Congress of the History of Science** (Warsaw): *B. Suchodolski, Polish Academy of Sciences, Palace of Culture and Sciences, Warsaw, Poland*

25-27 **Gas Dynamics** (Northwestern U.): *American Inst. of Aeronautics and Astronautics, 1290 Sixth Ave., New York 19, N.Y.*

25-28 • **Electron Microscopy Society of America** (Statler-Hilton Hotel, New York City): send abstracts by May 1 to *T. R. Padden, Westinghouse Electric Corp., PO Box 79, West Mifflin, Pa.: L. L. Ross, Dept. of Anatomy, Cornell U. Medical College, 1300 York Ave., New York 21, N.Y.*

28-29 **International Congress of the History of Science** (Kraków): *B. Suchodolski, Polish Academy of Sciences, Palace of Culture and Sciences, Warsaw, Poland*

28-4 • **Electron Microscopy** (Kyoto): *Chairman, Sixth Internat'l Congress for Electron Microscopy, Inst. for Virus Research, Kyoto U., Kyoto, Japan*

30-31 **Past and Future of Science** (Kraków): *B. Suchodolski, Polish Academy of Sciences, Palace of Culture and Sciences, Warsaw, Poland*

30-1 **Rare-Earth Research** (Iowa State U.) spons'd by Iowa State U. Inst. for Atomic Research, Air Force Office of Scientific Research: *S. Legvold, Dept. of Physics, Iowa State U., Ames, Iowa* (See Jan. PT, p. 162)

Antennas and Propagation (Washington, D.C.) spons'd by Inst. of Electrical and Electronics Engrs; abstracts deadline May 15: *R. J. Adams, Code 5330, Naval Research Lab, Washington, D.C.* (See Feb. PT, p. 91)

September 1965

2-4 **American Physical Society** (Honolulu): *K. K. Darrow, The American Physical Soc., Columbia U., 538 W. 120th St., New York 27, N.Y.*

5-9 **Luminescence** (Munich) spons'd by the Internat'l Union of Pure and Applied Physics: *N. Riehl, 8 Munich, Arcisstr. 21, Republic of Germany*

6-10 **Plasma Physics and Controlled Nuclear Fusion Research** (England) 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 Mar. PT, p. 115)

6-11 **Polarization Phenomena of Nucleons** (Karlsruhe) spons'd by the Internat'l Union of Pure and Applied Physics: *H. Schopper, Inst. für Experimentall Kernphysik, Kernforschungszentrum Karlsruhe, 75 Karlsruhe, Postfach 947, Republic of Germany*

Electromagnetic Wave Theory (Delft) spons'd by Internat'l Scientific Radio Union: *R. Timman, Technological U., Julianalaan 132, Delft, Netherlands*

• **Zeeman Centennial** (Amsterdam) spons'd by Dutch Physical Soc., Internat'l Union of Pure and Applied Physics: *Th. A. M. van Kleeft, Zeeman Laboratorium, der Universiteit van Amsterdam, Plantage Muidergracht 4, Amsterdam, Netherlands*

6-18 • **Cosmic Rays** (London) spons'd by Internat'l Union of Pure and Applied Physics: *J. G. Wilson, Physics Dept., Leeds U., Leeds, England*

7-9 **Internal Friction in Solids** (U. of Manchester) spons'd by Inst. of Physics and Physical Soc: *G. M. Leak, Dept. of Metallurgy, U. of Manchester, Manchester 13, England*

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A new 15-inch reflector with photoelectric and spectrographic attachments is available on the campus. Within a few years the 150-inch telescope in the new Queen Elizabeth II Observatory will be available to Canadian astrophysicists and astronomers. A strong interdepartmental group is now conducting research in radio astronomy on the campus. Immediate and long range research plans should be made accordingly.

Applications and inquiries, now invited, should be addressed to the Head of the Department of Physics, Queen's University, Kingston, Ontario, Canada.

7-14 International Congress on Acoustics (Liège): *Secrétariat, 33, Rue Saint-Gilles, Liège, Belgium* (See Feb. PT, p. 91)

8-10 Medical Physics (Harrogate, Yorkshire) spons'd by Internat'l Organization for Medical Physics, Hospital Physicists' Assoc: *W. V. Mayneord, Director, Inst. of Cancer Research, Royal Cancer Hospital, Clifton Ave., Belmont, Sutton, Surrey, England*

Magnet Technology (Stanford U.), spons'd by Lawrence Radiation Lab, Stanford Linear Accelerator Center: *R. H. Moulton, Jr., SLAC, PO Box 4349, Stanford, Calif.* (See Feb. PT, p. 92)

12-18 XVIth International Astronautical Congress (Athens) spons'd by the Internat'l Astronautical Federation: *IAF, 250 rue Saint-Jacques, Paris 5, France*

13-16 Optical Properties and Electronic Structure of Metals and Alloys (Paris) spons'd by Air Force Office of Scientific Research, Direction des Recherches et Moyens d'Essais, Institut d'Optique: *F. Abeles, Institut d'Optique, 3 boulevard Pasteur, Paris 15, France* (See Feb. PT, p. 92)

15-17 Nuclear and Particle Physics (U. of Liverpool) spons'd by Inst. of Physics and Physical Soc; send abstracts by June 30 to I. G. Main, Chadwick Lab, U. of Liverpool, Liverpool 3: *Administration Assistant, IPPS, 47 Belgrave Sq., London SW 1, England*

19-25 • Elementary Particles (Oxford) spons'd by Rutherford Lab: *R. C. Pepperell, Scientific Conference Secretariat, Rutherford High Energy Laboratory, Chilton, Didcot, Berkshire, England*

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

Megagauss Magnetic Field Generation by Explosives and Related Experiments (Rome) spons'd by the Italian Physical Society, Laboratorio Gas Ionizzati: *"Megagauss," Laboratorio Gas Ionizzati, CP 65, Frascati (Rome), Italy* (See Mar. PT, p. 115)

21-25 Radio Wave Propagation Factors in Space Communications (Rome) spons'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)

23-24 • Nonmetallic Thin Films (London) spons'd by Inst. of Physics and Physical Soc.; send abstracts by June 15 to A. K. Jonscher, Physics Dept., Chelsea College of Science and Technology, London, SW 3: *Meetings Officer, IPPS, 47 Belgrave Sq., London, SW 1, England*

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

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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): send abstracts to Dr. R. L. Jepsen, Varian Associates, 611 Hansen Way, Palo Alto, Calif.: *H. W. Schleuning, Polytechnic Inst. of Brooklyn, 333 Jay St., Brooklyn, N.Y.*

30-1 • Spectroscopic Studies of Vibrational Modes (Harwell) spons'd by Inst. of Physics and Physical Soc.; send abstracts by June 30 to L. Bovey, Atomic Energy Research Establishment, Harwell, Berks: *Meetings Officer, IPPS, 47 Belgrave Sq., London SW 1, England*

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6-8 Optical Society of America (Philadelphia): *Mary E. Warga, 1155 16th St., NW, Washington 6, D. C.*

9 AAPT New England Section (Orono, Me.): *J. G. Stipe, Boston U., Boston, Mass.*

11-13 • Color Centers in the Alkali Halides (U. of Illinois) spons'd by Advanced Research Projects Agency, Nat'l Science Foundation, Atomic Energy Commission, Harshaw Chemical Co.; abstracts deadline June 1: *W. D. Compton, Dept. of Physics, U. of Illinois, Urbana, Ill.*

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

19-21 • Cloud Physics and Severe Storms (Reno) spons'd by American Meteorological Soc., U. of Nevada; abstracts deadline May 15: *W. A. Mordy, Desert Research Inst., U. of Nevada, Reno, Nev.*

25-27 Society of Rheology (Cleveland, Ohio): *S. Prager, Dept. of Chemistry, U. of Minnesota, Minneapolis, Minn.*

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

November 1965

3-6 Acoustical Society of America (St. Louis): abstracts deadline Aug. 4: *I. J. Hirsh, Chairman, Central Institute for the Deaf, 818 S. Kingshighway, St. Louis, Mo.*

16-19 Magnetism and Magnetic Materials (San Francisco) spons'd by American Inst. of Physics, Inst. of Electrical and Electronics Engrs; abstracts deadline Aug. 15: *P. E. Wigen, Lockheed Missiles and Space Co., Palo Alto, Calif.*

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

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

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