CALENDAR

Information in the calendar is compiled from a file maintained in the PHYSICS TODAY editorial offices. The date at the end of each item refers to the issue of PHYSICS TODAY in which the item is listed with more detail than appears in subsequent issues. Readers are invited to write or telephone for additional information.

• new listing ♦ new information

August 1967

14–25 Strong and Weak Interactions (U. of Hawaii) *PT May 1967*

14–25 Fisk Institute (Nashville) *PT July 1967*

20–25 American Crystallographic Association (Minneapolis) *PT March 1967*

21–1 Electrons in Metals (Alta Lake, British Columbia) *PT March 1967*

21–1 Nuclear Reactor Safety (M.I.T.) *PT May 1967*

21–1 • Dynamics and Space Technology (Los Angeles) *PT Aug. 1967*

This course, sponsored by the engineering and physical sciences extension of the University of California, includes topics on gravity gradient stabilization, passive wobble damping, jet damping, attitude stability of spin-stabilized space vehicles, reëntry stability and lunar landing dynamics. Instructor is Leslie R. Koval, staff engineer with advanced technology department, TRW Systems. Guest lecturers are R. R. Auelmann (Aeronutronics), P. G. Bhuta (TRW Systems), R. Gluck (TRW Systems), R. E. Hutton (TRW Systems), Robert S. Taylor (TRW Systems) and W. T. Thomson (U. of California).

Contact: Engineering and Physical Sciences Extension, Room 6532, Boelter Hall, University of California, Los Angeles, Calif. 90024

25–30 • Hyperfine Interactions (Pacific Grove, Calif.) *PT Aug. 1967*

This international conference on hyperfine interactions detected by nuclear radiation is cosponsored by the US Atomic Energy Commission and the American Physical Society. Topics: radioactive methods that can contribute to the investigation of hyperfine interactions, including angular correlations and distributions, Mössbauer effect and nuclear orientation.

Contact: K. E. Sebrell, Lawrence Radiation Laboratory, U. of California, Berkeley, Calif. 94720

27–2 Phenomena in Ionized Gases (Vienna) *PT Dec. 1966*

27–3 International Union of Pure and Applied Chemistry (Prague) *PT Dec. 1966*

28–30 Electronic Materials (New York City) *PT May 1967*

28–1 Atomic Masses (U. of Manitoba) *PT Jan. 1967*

28–1 Particles and Fields (University of Rochester) *PT March 1967*

28–8 • Crystals (Kyllini, Greece) *PT Aug. 1967*

This summer course on normal modes in crystals and their detection, organized by K. Alexopoulos and the physical laboratory of the U. of Athens, is part of the Advanced Study Institute Program of NATO. Topics: normal modes, calculation of normal mode spectra, interaction of electrons and photons with normal modes, detection of normal modes with x rays and neutrons, normal modes at defects, detection of normal modes through absorption, normal modes at surfaces, electrical and thermal conductivity and infrared techniques. Lecturers include A. Theodossiou, B. Brockhouse, R. Elliot, F. H. Johnson, P. C. Bambury and G. Ruffino.

Contact: Ch. E. Ravanos, Physics Laboratory, U. of Athens, 104 Solonos St., Athens 144, Greece

29,30 Photoelectric and Secondary Electron Emission (Minneapolis) *PT July 1967*

29–31 High Frequency Generation and Amplification (Cornell U.) *PT June 1967*

29–1 Electron Microscopy Society Meeting (Chicago) *PT June 1967*

31–2 American Physical Society (Seattle) *PT Dec. 1966*

31–6 Low Temperatures (Madrid) *PT March 1967*

September 1967

4–8 The Strength of Metals and Al-

September 1967

loys (Tokyo) *PT March 1967*

4–10 **International Congress of Pure and Applied Chemistry** (Prague) *PT Dec. 1966*

4–16 **Dosimetry of Radiation** (Universite Libre de Bruxelles) *PT May 1967*

5–7 **Quasars** (Manchester, England) *PT Apr. 1967*

5–8 **Solid-State Devices** (University of Manchester) *PT March 1967*

5–9 **Molecular Structure and Spectroscopy** (Ohio State U.) *PT Jan. 1967*

5–9 **Electron and Photon Interactions at High Energies** (Stanford Linear Accelerator Center) *PT March 1967*

5–9 • **Automatic Control Theory** (St Louis) *PT Aug. 1967*

This intensive course on current trends in automatic control theory is sponsored by Washington University. Topics: foundations of modern control theory, stability, optimal control and differential games, stochastic estimation and control, learning and adaptive systems and automata theory. The course is directed by John Zaborsky and the faculty includes Roger Brockett, Y. C. Ho, H. Kushner, K. S. Fu and Paul Zeiger.

Contact: G. L. Esterson, Box 1048, Institute for Continuing Education in Engineering and Applied Science, Washington U., St Louis, Mo. 63130

6–8 **II–VI Semiconducting Compounds** (Providence, R.I.) *PT Feb. 1967*

7–13 **Nuclear Structure** (Tokyo) *PT Dec. 1966*

11,12 **Waves in Plasmas** (Culham, England) *PT July 1967*

11–13 **Atomic Spectroscopy,** ***by invitation*** (National Bureau of Standards, Gaithersburg) *PT March 1967*

11–15 **High-Energy Accelerators** (Cambridge) *PT Dec. 1966*

11–16 **Magnetism** (Boston) *PT March 1967*

13,14 **High-Voltage Insulation in Vacuum** (London) *PT Jan. 1967*

13,14 **Electric Heating** (Detroit) *PT July 1967*

13,14 • **Nuclear Magnetic Resonance in Solids** (St Andrews, Scotland) *PT Aug. 1967*

Contact: F. A. Rushworth, School of Physical Sciences, U. of St Andrews, Scotland

13,14 • **High-Voltage Insulation in Vacuum** (London) *PT Aug. 1967*

This joint conference of materials and testing group and vacuum physics group of IEE will cover vacuum breakdown, prebreakdown phenomena, dielectric barrier layers, superconducting electrodes, solid insulators in vacuum, shielding, effect of residual gases and electrode temperature, vacuum techniques, applications to vacuum circuit breakers, mercury-arc rectifiers and cryogenic cables.

Contact: Meetings Officer, The Institute of Physics and The Physical Society, 47 Belgrave Sq., London, SW 1, England

17–20 **High Temperature Technology** (Asilomar, California) *PT May 1967*

18–20 **Electrical Insulation and Dielectric Phenomena** (Pocono Manor, Pa.) *PT July 1967*

18–22 **Localized Excitations in Solids** (Irvine, Calif.) *PT Jan. 1967*

18–22 **Theory and Computers** (Rome) *PT June 1967*

18–23 **Stochastic Problems in Underwater Sound Propagation** (La Spezia) *PT June 1967*

18–29 **Inorganic Materials** (Penn State U.) *PT June 1967*

19–21 • **Electron Optics, Instrumentation and Electron Microscopy** (St Andrews, Scotland) *PT Aug. 1967*

This conference is sponsored by the electron microscopy and analysis group of The Institute of Physics and The Physical Society. The emphasis will be on new developments in electron microscopy, instrumentation and electron optics and, in the case of quantitative microscopy, on those applications where electron microscopy is the only technique capable of solving the quantitative aspects of the problem.

Contact: Meetings Officer, The Institute of Physics and The Physical Society, 47 Belgrave Sq., London, SW 1, England

19–22 **Pulsed, High-Density Plasmas** Los Alamos, N.M.) *PT July 1967*

20–22 **Stress Analysis in Bioengineering** (University College, London) *PT June 1967*

21–22 **Electrodeless Breakdown of Gases** (Leatherhead, England) *PT May 1967*

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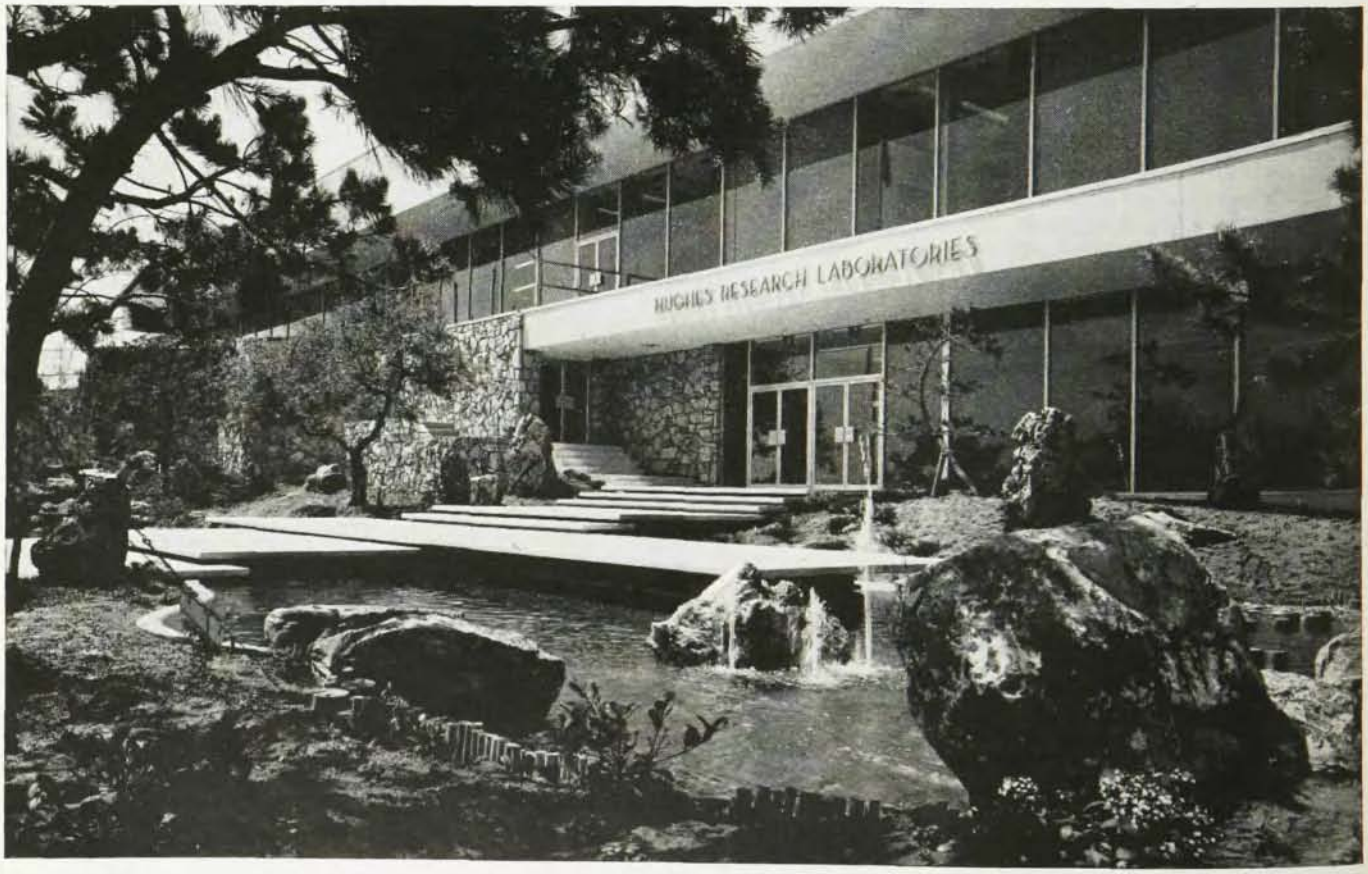

September 1967

24–28 **Power Generation** (Detroit) *PT July 1967*

26–28 **Reactor Shielding Design** (Harwell, England) *PT Apr. 1967*

26–28 **Magnetic Materials and Their Applications** (London) *PT Dec. 1966*

27–29 • **Low-Energy Nuclear Physics** (U. of Manchester) *PT Aug. 1967*

The nuclear physics subcommittee of The Institute of Physics and The Physical Society is sponsoring this conference. Invited speakers include P. M. Endt (Utrecht), H. A. Weider Muller (Heidelberg), M. H. MacPharlane (Argonne), N. W. Tanner (Oxford) and J. O. Newton (Manchester).

Contact: Meetings Officer, The Institute of Physics and The Physical Society, 47 Belgrave Sq., London, SW 1, England

28 • (through 2 Oct.) **Amorphous and Liquid Semiconductors** (Bucharest) *PT Aug. 1967*

The Institute of Physics of the Academy of the Socialist Republic of Roumania organized this international colloquium. Topics: structure, energy spectrum, optical properties, transport phenomena, nonequilibrium process.

Contact: R. Grigorovici, Institute of Physics of the Academy, Calea Victoriei 114, Bucharest, Roumania

October 1967

2–7 **German Physical Society** (Berlin, Germany) *PT Apr. 1967*

3 (through 16 Dec.) **Condensed Matter** (Trieste, Italy) *PT July 1967*

3–5 **Radiation Effects in Semiconductors** (Santa Fe) *PT June 1967*

4–6 **Circuit and System Theory** (Monticello, Ill.) *PT July 1967*

4–6 **Ultrasonics** (Vancouver, B.C.) *PT June 1967*

9 **Excited Materials** (U. of North Carolina) *PT July 1967*

11–13 **Optical Society of America** (Detroit) *PT Dec. 1966*

12,13 **Physics of Selenium and Tellurium** (Montreal) *PT June 1967*

16–19 **Materials Research** (Gaithersburg) *PT June 1967*

16–20 **Fiber and Polymer Microscopy** (Chicago) *PT July 1967*

18–20 **Exploding Wires** (Boston) *PT June 1967*

18–20 **Gaseous Electronics** (San Francisco) *PT Jan. 1967*

18–20 **Electron Devices** (Washington, D.C.) *PT July 1967*

20,21 **APS New England Section** (Lewiston, Maine) *PT July 1967*

23–25 **APS Nuclear Physics Division** (Madison, Wis.) *PT Apr. 1967*

26–28 • **Unconventional Photographic Systems** (Washington, D.C.) *PT Aug. 1967*

This symposium, sponsored by the Society of Photographic Scientists and Engineers, includes discussions on deformable films, electrophotographic processes and materials, photochromic systems, photocrosslinkable systems and unconventional silver systems. In addition, workshops are planned on the application of unconventional photographic systems to microfilming, microelectronics manufacturing, graphic arts, aerial photography, cathode-ray tube recording, photosensitive resists techniques and sensitometry.

Contact: K. T. Lassiter, Department 942, Eastman Kodak Co., Rochester, N.Y. 14650

31–2 **Nuclear Science Symposium** (Los Angeles) *PT July 1967*

November 1967

1–3 **Plasmas in Open-Ended Geometry** (Oak Ridge National Laboratory) *PT June 1967*

1–3 **Diffraction** (Mellon Institute, Pittsburgh) *PT June 1967*

1–3 **Circuits and Systems** (Pacific Grove, Calif.) *PT July 1967*

3,4 **AAPT Texas Section** (Sherman) *PT July 1967*

Contact: E. Bottom, McMurry College, Abilene, Tex.

6,7 **Photopolymers** (Ellenville, N.Y.) *PT June 1967*

6–8 **Applied Superconductivity** (Austin, Texas) *PT June 1967*

6–8 **Reliability Physics** (Los Angeles) *PT July 1967*

8–11 • **Plasma Physics** (Austin, Tex.) *PT Aug. 1967*

This is the annual meeting of the division of plasma physics.

Abstracts deadline: 30 Sept. Contact: W. E. Drummond, Physics Building 330, University of Texas, Austin, Tex. 78712

14–16 **Computers** (Anaheim, Calif.) *PT July 1967*

14–17 **Acoustical Society of America** (Miami) *PT Dec. 1966*

16–18 **American Physical Society** (New York City) *PT Dec. 1966*

18 **AAPT Iowa Section** (Iowa City) *PT July 1967*

20–22 • **Fluid Dynamics** (Lehigh University) *PT June 1967*

December 1967

1,2 **American Association of Physicists in Medicine** (Chicago) *PT June 1967*

1,2 **π N Scattering** (Irvine, Calif.) *PT July 1967*

4 • (through 20 Jan.) **Quantum Chemistry, Solid-State Physics and Quantum Biology** (U. of Florida) *PT Aug. 1967*

This winter institute and symposium cosponsored by the University of Florida and the University of Uppsala, Sweden covers a diversity of backgrounds. Lecturers include P. O. Löwdin, J. C. Slater, J. O. Hirschfelder, L. Jansen, R. Pauncz, D. W. Smith, N. Y. Phrn, C. E. Reid, J. B. Conklin and D. E. Ellis.

Contact: Winter Institute, Nuclear Sciences Building, U. of Florida, Gainesville, Fla. 32601

5–7 **American Astronomical Society** (Philadelphia) *PT Jan. 1967*

January 1968

3–6 • **Solid-State Physics** (U. of Manchester) *PT Aug. 1967*

This annual conference is of interest to specialists in the field.

Contact: Meetings Officer, The Institute of Physics and The Physical Society, 47 Belgrave Sq., London, SW 1, England

16–21 ♦ **Fifteenth A.M.P.E.R.E. Colloquium** (University of Grenoble, France) *PT May 1967*

24,25 • **Health Physics** (Augusta) *PT Aug. 1967*

This midyear topical symposium sponsored by the Savannah River chapter of the Health Physics Society features topics on objectives of environmental surveillance, design and methods of environmental surveys, emergency environmental surveys, dose to population from operation of nuclear facilities and research in support of environmental surveillance programs.

Abstracts deadline: 16 Oct. Contact: J. H. Horton, Radiological

January 1968

and Environmental Sciences Division, Savannah River Laboratory, Aiken, S.C. 29801

29–1 **American Physical Society** (Chicago) *PT Dec. 1966*

29–1 **American Association of Physics Teachers** (Chicago) *PT Feb. 1967*

February 1968

28–1 • **Scintillation and Semiconductor Counter Symposium** (Washington, D.C.) *PT Aug. 1967*

This symposium, sponsored by the US Atomic Energy Commission, the nuclear science group of the IEEE and the National Bureau of Standards, includes topics on scintillation and fluorescent phenomena, photomultiplier and vacuum devices, semiconductor and new detecting techniques, detector arrays and associated systems and particle track imaging (including spark chambers).

Abstracts deadline: 17 Nov. Contact: G. A. Morton, RCA Laboratories, Princeton, N.J. 08540

March 1968

4–7 • **Neutron Cross Section and Technology** (Washington, D.C.) *PT Aug. 1967*

This conference is sponsored by the nuclear physics division of the APS, the reactor physics and shielding divisions of the American Nuclear Society, the Atomic Energy Commission and the National Bureau of Standards. Topics: the need and use of neutron data in fields of basic and applied physics, including the sensitivity of calculations to cross-section uncertainties; standard data and flux measurements; presentation of experimental neutron cross-section information; theoretical interpretation of cross-section data; automatization of data acquisition, storage, retrieval and evaluation; comparison of macroscopic and microscopic cross-section information.

Abstracts deadline: 1 Dec. Contact: D. T. Goldman, National Bureau of Standards, Washington, D.C. 20234

18–20 • **Lubrication and Lubricant Rheology** (U. of Michigan) *PT Aug. 1967*

This symposium is sponsored by the American Society of Mechanical Engineers, the American Society for Testing and Materials and the American Society of Lubrication Engineers.

Abstracts deadline: 1 Sept. Contact: W. O. Winer, Dept. of Mechanical Engineering, 225 West Engineering Building, U. of Michigan, Ann Arbor, Mich. 48104. □