CALENDAR

Because the number of calendar items has outgrown our limited space, we changed the format with the May issue. To provide you with complete information we will list only new information for two months (for example, May and June); then in the third month (July) we will publish a complete calendar as far into the future as we have information. During months with a partial calendar, readers can add new entries to their last complete calendar.

Information in the calendar is compiled from a file maintained in the PHYSICS TODAY office. Readers are invited to write or telephone for general calendar information beyond what we print. For complete information concerning an entry, readers are advised to consult the contact.

Abbreviations:

AAPT—American Association of Physics Teachers
AAS—American Astronomical Society
ACA—American Crystallographic Assoc.
APS—American Physical Society
ASA—Acoustical Society of America
OSA—Optical Society of America
S OF R—Society of Rheology

AEC—US Atomic Energy Commission
AFCRL—Air Force Cambridge Research Laboratories
ANS—American Nuclear Society
AVS—American Vacuum Society
IAEA—International Atomic Energy Agency
IEEE—Institute of Electrical and Electronics Engineers
IPPS—The Institute of Physics and The Physical Society
IUPAP—International Union of Pure and Applied Physics
NBS—National Bureau of Standards
ORNL—Oak Ridge National Laboratory

Coding:

date subject □ HOST □ Location *(Contact)* [submission deadline] *Physics Today ref.*
• new listing ♦ new information

JUNE 1969

24, 25 • **Practical Application of SI Units** □ PRODUCTION ENGINEERING RESEARCH ASSOC., MINISTRY OF TECHNOLOGY, BRITISH STANDARDS INSTITUTION, INTERNATIONAL ORGANIZATION FOR STANDARDIZATION □ Brussels *(Conference Dept., PERA, Melton Mowbray, Leics., England) 6/69*

Topics: economic, technical and practical effects of the adoption of SI units on such fields as mechanical engineering, fuel and power, hydraulics, construction and instrumentation, as well as international implications.

28–4 • **Science and Society** □ Herceg-Novi, Yugoslavia *(A. Moljk, Sciences and Humanities Conference, Beograd, P.O. Box 163, Yugoslavia) 6/69*

JULY 1969

28–31 • **Computational Physics** □ COMPUTATIONAL PHYSICS GROUP, IPPS □ Culham Laboratory *(Meetings Officer, IPPS, 47 Belgrave Sq., London, S. W. 1) 6/69*

Topics include astrophysical models, particle models in plasma physics, high-energy physics and numerical methods for initial value problems.

AUGUST 1969

11–15 • **Neutron Capture Gamma-Ray Spectroscopy** □ IAEA, CHALMERS U. OF TECHNOLOGY, U. OF GOTHENBURG, AB ATOMENERGI □ Studsvik, Sweden *(N. Ryde, Dept. of Physics, Chalmers U. of Technology, Fack, 402 20 Göteborg 5, Sweden) 6/69*

Topics include progress in experimental techniques, results on thermal-neutron capture, neutron-resonance capture and neutron-capture mechanism.

24–27 • **Defects in Electronic Materials for Devices** □ METALLURGICAL SOCIETY, AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS □ Boston *(D. P. Seraphim, IBM Components Div., Bldg. 300, Hopewell Junction, N. Y. 12533) 6/69*

Topics: chemical and structural defects in bulk materials, including epitaxially deposited layers, at interfaces, in insulating layers, in thin and thick films, and in p–n junctions, device and circuit structures.

31–6 • **The Quantum Solids: Hydrogen and Helium** □ Aspen, Colo. *(J.*

Partial calendar—see note at opening.

NEW LISTING OF INSTITUTES, SHORT COURSES AND SCHOOLS

16–28 JUNE

Physics with Storage Rings □ ITALIAN PHYSICAL SOCIETY □ Varenna *(M. Greco, Laboratori Nazionali de Frascati del C.N.E.N., C. P. 70, 0044 Frascati, Rome)*

Topics: electron and positron beams; energy and luminosity; storage-ring results in high-energy physics; theory of annihilation processes; the polarization of circulating beams; radiative corrections; status reports on existing machines; and the future of storage-ring experiments.

16 JUNE–15 AUGUST

Summer Institute □ NSF □ U. of Washington, Seattle *(Pacific Northwest Assoc. for College Physics, U. of Washington, Dept. of Physics, Seattle, Wash. 98105)*

Topics: electricity, magnetism and optics; mathematical physics; quantum mechanics; and advanced laboratory.

30 JUNE–12 JULY

General Relativity and Cosmology □ ITALIAN PHYSICAL SOCIETY □ Varenna *(B. Bertotti, European Space Research Institute, C. P. 65, 0044 Frascati, Rome)*

Topics: general relativity; relativistic kinetic theory; relativistic astrophysics; and cosmology.

14–26 JULY

Physics of High Energy Density □ ITALIAN PHYSICAL SOCIETY □ Varenna *(H. Knoepfel, Laboratorio Gas Ionizzati, EURATOM-C.N.E.N., C.P. 65, 0044 Frascati, Rome)*

Topics: equation of state and structure of solids at very high pressures; electronic properties of matter at very high pressures; shock dynamics and shock structure in dense media; hydrodynamic cumulation; interaction of high-power light pulses with matter; interaction of megaoersted magnetic fields and of powerful electron or proton beams with matter; and actual state and future developments of experimental means to generate high energy densities.

28 JULY–8 AUGUST

Diffraction Techniques Applied to Materials Science □ NATO □ State U. of Antwerp *(Nato Summer School, Elektronenmikroskopie Vaste Stoffen, R.U.C.A. Middelheimlaan, 1, Antwerp, Belgium)*

Topics: transmission electron microscopy, low-energy electron diffraction, high-energy transmission electron microscopy, microprobe techniques, mirror electron microscopy, x-ray topography and recent advances in x-ray techniques and others.

18–29 AUGUST

Fisk Institute □ VANDERBILT U. □ Nashville *(N. Fuson, Director, Fisk Institute, Box 8, Fisk U., Nashville, Tenn. 37203)*

18–22 Aug.; basic infrared spectroscopy, gas chromatography
25–29 Aug.; infrared spectra of organic and inorganic compounds, ultraviolet, fluorescence and atomic-absorption spectroscopy.

8–21 SEPTEMBER

Atomic Physics □ ANKARA INTERNATIONAL ADVANCED STUDY INSTITUTE □ Orta-Dogu Tekn. Univ., *(H. Odabaşi, Joint Institute for Laboratory Astrophysics, U. of Colorado, Boulder, Colo.)*

Topics: theoretical group and second quantized techniques for atomic theory; relativistic effects in atoms; electron correlation in ground and excited states, applications to quantitative theory of properties of many-electron atoms; atomic processes involving continuum states and scattering; atomic-beam experiments, x-ray photoelectron spectroscopy; computers in atomic physics; optical-pumping phenomena and lasers; astrophysics, atmospheric and space science and industry.

AUGUST 1969

C. Raich, Colorado State U., Fort Collins, Colo. 80521) 6/69

Topics include theory and experiments on quantum solids and anharmonic crystals, exchange in helium, He^3–He^4 mixtures, ortho–para and H_2–D_2 mixtures, neutron and x-ray diffraction, lattice dynamics, transport properties, nuclear magnetic resonance, optical experiments, phase transitions, metallic phase and superconductivity in solid hydrogen.

SEPTEMBER 1969

8, 9 • **Turbulence Measurements in Liquids** □ AIR FORCE OFFICE SCIENTIFIC RESEARCH, OFFICE OF NAVAL RESEARCH, U. OF MISSOURI–ROLLA □ U. of Missouri–Rolla *(G. K. Patterson, Dept. of Chemical Engineering, U. of Missouri-Rolla, Rolla, Mo. 65401)* [8/1] *6/69*

Topics: measurement techniques, measured variables and effects of special conditions.

16–18 • **Advances in Rheology** □ BRITISH SOCIETY OF RHEOLOGY □ Glasgow *(K. Walters, Dept. of Applied Mathematics, U. College of Wales, Aberystwyth) 6/69*

17, 18 • **Relaxation in Radiospectroscopy** □ BRITISH RADIO SPECTROSCOPY GROUP □ U. of Dundee *(K. J. Standley, Carnegie Laboratory of Physics, U. of Dundee, Scotland) 6/69*

22, 23 • **Plasma Turbulence** □ PLASMA PHYSICS GROUP, IPPS □ Manchester *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W.1) 6/69*

23–25 • **Hard Magnetic Materials** □ Milan *(A. Canino, Secretary-General, FAST, Pizzale R. Morandi 2, 20121 Milan, Italy) 6/69*

29–2 • **Orbiting Laboratory and Space Sciences** □ INTERNATIONAL ACADEMY OF ASTRONAUTICS □ Cloudcroft, N. M. *(E. A. Steinhoff, Dept. of Aeronautics and Astronautics, School of Engineering, MIT, Cambridge, Mass. 02139) 6/69*

OCTOBER 1969

6–8 • **Thermal Conductivity** □ AMES LABORATORY, AEC □ Iowa State

Partial calendar—see note at opening.

OCTOBER 1969

U. *(H. R. Shanks, A327 Physics Bldg., Iowa State U., Ames, Iowa 50010) 6/69*

NOVEMBER 1969

4–5 • **Interaction of Light With Sound Waves** □ ASA □ San Diego *(O. K. Mawardi, Case Western Reserve U., Cleveland, Ohio 44106)* [8/5] *6/69*

5–7 • **Diffraction Conference** □ Carnegie-Mellon U. *(J. H. Scott, US Steel Research Center, Monroeville, Pa. 15146)* [9/19] *6/69*

5–7 • **Accelerator Dosimetry and Experience** □ STANFORD LINEAR ACCELERATOR CENTER, AEC □ Stanford U. *(E. J. Vallario, Div. of Operational Safety, AEC, Washington, D. C. 20545) 6/69*

Topics: radiation protection around electron and proton accelerators; problems and solutions of the new higher-beam-power accelerators; dosimetry of high-energy photons, hadrons and leptons; health-physics experience associated with accelerators less than 100 MeV; radiation alternation measurements and calculations; particle yields; neutron spectra transmission through various shields; problems from bremsstrahlung and cascades initiated in the human body by high-energy particles.

12–15 • □ APS DIV. OF PLASMA PHYSICS □ Los Angeles *(R. W. Gould, Steele Laboratory, Cal Tech, Pasadena, Calif. 91109) 6/69*

DECEMBER 1969

3–6 • □ AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE □ Chicago *(J. G. Kereiakes, Radioisotope Laboratory, Cincinnati General Hospital, Cincinnati, Ohio 45229* [10/1] *6/69*

JANUARY 1970

6–8 • **Solid-State Physics** □ IPPS □ U. of Manchester *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W. 1) 6/69*

14–16 • **Engineering with Nuclear Explosives** □ ANS, AEC □ Las Vegas *(G. W. Johnson, Gulf General Atomic, P.O. Box 608, San Diego, Calif. 92112) 6/69*

Topics: AEC and industry viewpoints, review of technology of nuclear explosions, oil and gas applications, nuclear excavation, geonuclear and seismic effects and air blast, radioactivity, mineral recovery and water-resource development.

MARCH 1970

31–3 • **Yield, Deformation and Fracture of Polymers** □ COMMITTEE OF BRITISH SOCIETIES □ Churchill College, Cambridge *(Meetings Officer, IPPS, 47 Belgrave Sq., London, S.W.1) 6/69*

JUNE 1970

15–19 • **Congress of Applied Mechanics** □ US COMMITTEE FOR THEORETICAL AND APPLIED MECHANICS □ Harvard U. *(G. F. Carrier, Congress of Applied Mechanics,*

Partial calendar—see note at opening.

Pierce Hall, Cambridge, Mass. 02138) [1/70] *6/69*

AUGUST 1970

31–4 • **Strength of Metals and Alloys** □ AMERICAN SOCIETY FOR METALS □ Pacific Grove, Calif. *(J. A. Fellows, Director of Technical Programming, American Society for Metals, Metals Park, Ohio 44073) 6/69*

SEPTEMBER 1970

4–10 • **Low-Temperature Physics** □ IUPAP □ Kyoto, Japan *(T. Sugawara, Institute for Solid State Physics, University of Tokyo, 7-21-1, Roppongi, Minato-ku, Tokyo, Japan) 6/69*

NOVEMBER 1970

4–6 • **Nuclear Science Symposium** □ IEEE □ New York *(IEEE, 345 E. 47 St., New York, N. Y. 10017) 6/69*

15–19 • ANS, ATOMIC INDUSTRIAL FORUM, ATOMIC FAIR □ Washington, D. C. *(O. J. Du Temple, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521) 6/69*

JUNE 1971

21–25 • HEALTH PHYSICS SOCIETY □ New York *(R. F. Cowing, Health Physics Society, 194 Pilgrim Rd., Boston, Mass. 02215) 6/69*

1970 Quantum Electronics Conference in Japan

The 1970 International Quantum Electronics Conference will take place at the Kyoto International Conference Hall, Kyoto, Japan, during 7–10 Sept.

This sixth annual conference is sponsored by the Physical Society of Japan, the Japan Society of Applied Physics, the Japanese Institute of Electrical Engineers and Institute of Electronics and Communication Engineers, in association with the Japan Science Council. The Joint Council on Quantum Electronics of the American Institute of Physics and the Institute of Electrical and Electronics Engineers is coöperating.

Deadline for contributed papers is 31 March 1970; the official conference language is English. Topics include physics of quantum electronics, quantum electronic devices and technology, applications of masers and lasers and nonlinear optical effects and devices. Proceedings will not be published and contributors should submit their manuscripts to journals.

Contact Hugh C. Wolfe, AIP Publications Division, for information. □