

calendar

This is a partial calendar comprising only notices received since last month. A complete calendar is published every third month. Readers are referred to the last one, published in July, if they wish a comprehensive listing of notices. The October issue will contain the next 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 and the original PHYSICS TODAY reference.

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

AFCLR—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

SEPTEMBER 1970

- 18-20 • **Nuffield Advanced Physics Course** ☐ EDUCATION GROUP AND MIDLAND BRANCH OF IPPS ☐ Birmingham, UK (Meetings Officer, IPPS, 47 Belgrave Square, London SW1) 9/70

OCTOBER 1970

- 5-10 • ☐ SOC. OF APPLIED SPECTROSCOPY ☐ New Orleans, La. (R. T. O'Connor, Cotton Physical Lab, US Dept. of Agriculture, P. O. Box 19687, New Orleans, La. 70119) 9/70

Topics: UV-visible spectroscopy; infrared-Raman spectroscopy; microwave spectroscopy; internal-reflectance spectroscopy; arc-spark emission spectroscopy; atomic absorption, atomic fluorescence and flame spectroscopy; luminescence; x-ray, nuclear-particle and gamma-ray spectroscopy; mass spectroscopy; gas chromatography; NMR; ESR; Mossbauer; characterization of surfaces.

- 14, 15 • ☐ NATL. ACAD. OF ENGINEERING ☐ Washington, D. C. (Mr. B. Byers, Office of Information, Natl. Acad. of Sciences, 2101 Constitution Ave., Wash., D. C. 20418) 9/70

- 19-21 • ☐ NATL. ACAD. OF SCIENCES ☐ Houston, Texas (Mr. B. Byers, Office of Information, Natl. Acad.

of Sciences, 2101 Constitution Ave., Wash., D. C. 20418) 9/70

- 26, 27 • ☐ WESTERN STATES SECTION OF COMBUSTION INST. ☐ Pasadena, Calif. (Office of Secretary, Western States Section, The Combustion Inst., 16902 Bollinger Drive, Pacific Palisades, Calif. 90272) 9/70

- 29-31 • **Education of Secondary-School Physics Teachers** ☐ ILL. SECTION OF AAPT ☐ Urbana, Ill. (R. Miller, Greenville College, Greenville, Ill.) 9/70

- 30, 31 • ☐ LAMPF USERS GROUP ☐ Los Alamos, N. M. (L. Agnew, LAMPF Users Group, P. O. Box 1663, Los Alamos, N. M. 87544) 9/70

NOVEMBER 1970

- 5-7 • ☐ PARTICLES AND FIELDS DIV. OF APS ☐ Austin, Texas (A. M. Gleason, Dept. of Physics, Univ. of Texas, Austin, Texas 78712) 9/70

- 7 • ☐ MICH. SECTION OF AAPT ☐ Albion, Mich. (H. O. Hooper, Wayne State Univ., Detroit,

Partial calendar—see note at opening.

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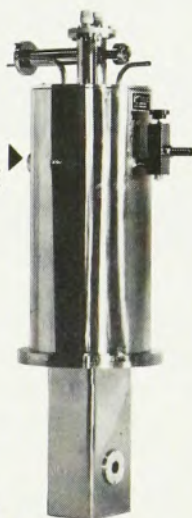
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I/I ₁	100	60	45	20		8.87	20	010	2.674	60	2.674	60	010	2.674	60	2.674	60	010	2.674
Foto	1.9375					8.55	25	010	2.621	30	2.621	30	010	2.621	30	2.621	30	010	2.621
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Ref.	J.V. Smith, University of Chicago on behalf of					4.68	15	111	2.446	15	2.446	15	111	2.446	15	2.446	15	111	2.446
	Five groups of investigators					4.20	8	022	2.377	8	2.377	8	022	2.377	8	2.377	8	022	2.377
Sys.	Triclinic					3.76	6	021	2.311	8	2.311	8	021	2.311	8	2.311	8	021	2.311
a	6.52 by 7.34					3.68	6	013	2.284	8	2.284	8	013	2.284	8	2.284	8	013	2.284
b	114.4° by 82.7°					3.55	6	020	2.234	8	2.234	8	020	2.234	8	2.234	8	020	2.234
c	114.4° by 82.7°					3.44	15	123	2.217	8	2.217	8	123	2.217	8	2.217	8	123	2.217
Ref.	Ibid.					3.32	10	200,201	2.180	25	2.180	25	200,201	2.180	25	2.180	25	200,201	2.180
						3.28	15	113	2.156	40	2.156	40	113	2.156	40	2.156	40	113	2.156
						3.19	15	202,201	2.099	20	2.099	20	202,201	2.099	20	2.099	20	202,201	2.099
						3.14	45	021,211*	2.044	25	2.044	25	021,211*	2.044	25	2.044	25	021,211*	2.044
						3.09	45	021,211*	1.994	5	1.994	5	021,211*	1.994	5	1.994	5	021,211*	1.994
						3.01	25	120,025	1.969	8	1.969	8	120,025	1.969	8	1.969	8	120,025	1.969
						2.973	20	213	1.952	8	1.952	8	213	1.952	8	1.952	8	213	1.952
						2.934	100	014,210	1.925	7	1.925	7	014,210	1.925	7	1.925	7	014,210	1.925
						2.859	10	211,124	1.905	15	1.905	15	211,124	1.905	15	1.905	15	211,124	1.905
						2.805	8	211,121	1.880	15	1.880	15	211,121	1.880	15	1.880	15	211,121	1.880

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Mich. 48202) [10/70] 9/70

- 16, 17 • **Surface Features of Mars** □ AAS, INTL. ASSOC. OF PLANETOL-
OGY □ Huntington Beach, Calif.
(Douglas Advanced Research
Labs, McDonnell Douglas Corp,
5251 Bolsa Ave., Huntington
Beach, Calif. 92647) 9/70

JANUARY 1971

- 4-7 • **Solid-State Physics and Applica-
tions** □ FLORIDA ATLANTIC UNIV.
□ Boca Raton, Fla. (J. S. Blake-
more, Physics Dept., Florida At-
lantic Univ., Boca Raton, Fla.
33432) 9/70

Topics: Semiconductor materials and devices, integrated circuits, photodetectors, luminescence, surface phenomena, amorphous semiconductors, liquid crystals, ferroelectrics, lasers and ultrashort-pulse phenomena; technologically important superconductors and magnetic devices.

- 25, 26 • **Optics in Microelectronics** □ OSA
□ Las Vegas, Nev. (OSA Execu-
tive Office, 2100 Pennsylvania
Ave., N. W., Wash., D. C. 20037)
[10/70] 9/70

Topics: Substrate characteristics; objective and condenser lens design and testing; visible-light imaging limits; electron-beam scanning and exposure; mask generation; processing parameters; holographic methods, interferometric tests and measurement methods.

FEBRUARY 1971

- 1-3 • □ DIV. OF PLANETARY SCIENCES
OF AAS □ Tallahassee, Fla. (G.
Minch, Dept. of Astronomy,
Calif. Inst. of Technology, Pasa-
dena, Calif. 91109) 9/70

Topics: Comets, radar and radio results, surface effects on atmosphereless bodies.

- 18, 19 • **Theoretical Chemistry and Sulfur
Chemistry** □ New Orleans, La.
(Mardi Gras Symposium, Dept. of
Chemistry, Loyola Univ., New

TEMPERATURE SYMPOSIUM

The 5th Temperature Symposium will be held in Washington, D. C. during 21-24 June 1971. Sponsored by AIP, NBS and the Instrument Society of America, the meeting is the first in ten years and is expected to attract some 1000-1500 participants. Harold H. Plumb of the National Bureau of Standards is program chairman; he anticipates about 200 papers covering the whole field of temperature scales, thermometric devices and methods (including automation and controls) and special environmental problems (high and low temperature, biological, space and geophysics).

R. P. Hudson, also of NBS, is chairman of the general committee, but inquiries for further information should be addressed to V. J. Giardina at the Instrument Society of America, 530 William Penn Place, Pittsburgh, Pa. 15219.

Partial calendar—see note at opening.



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Applications, including the names of two referees, should be sent to Miss N. Draper, Secretary, Solid State Physics Groups, Department of Physics, University of Surrey, Guildford, Surrey, England, from whom further particulars are available.

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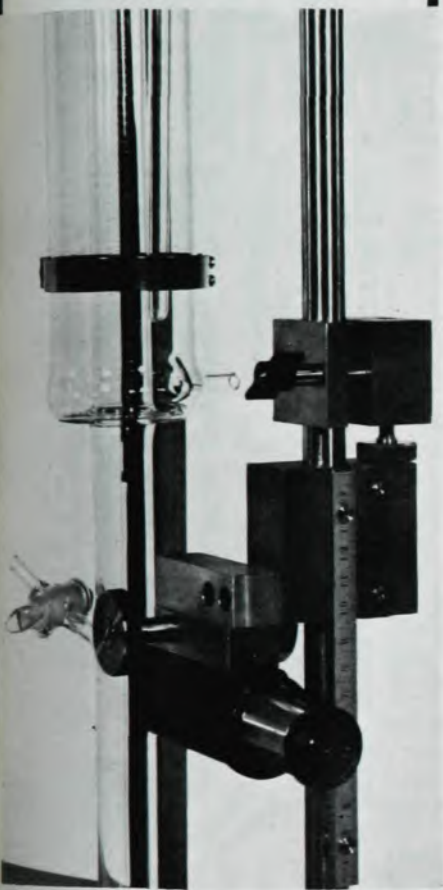
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14-19 SEPTEMBER

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Topics: Geometrical aspects of electron diffraction; basic components and operating modes of the electron microscope; kinematical theory of electron diffraction; dynamical theory of electron diffraction; diffraction contrast from defects in otherwise perfect crystals; Lorentz microscopy; quantitative electron metallography; specimen-preparation techniques; electron fractography. Laboratory demonstrations will supplement lectures.

21-26 SEPTEMBER

Scanning Electron Microscopy ☐ UCLA ☐ Los Angeles, Calif. (*Continuing Education in Engineering and Science, Univ. Extension, UCLA, Los Angeles, Calif. 90024*)

Topics: Electron optics of SEM; energy dissipation in solids; secondary electron images; back-scattered electron images; x-ray and Auger analysis; cathodoluminescence; electron beam induced current; signal processing; transmission SEM; device fabrication; time-resolved SEM; computer-controlled SEM; scanning electron fractography. Laboratory demonstrations will supplement lectures.

24 FEBRUARY-25 MARCH

Health Physics ☐ LAWRENCE RADIATION LAB ☐ Berkeley, Calif. (*E. J. Vallario, Div. of Operational Safety, US Atomic Energy Commission, Washington, D. C. 20545*)

Topics: Fundamental-particle physics, radiation fields and particle accelerators; radiation environments of particle accelerators; biological effects of radiation and radiation safety standards; practical aspects of the measurements of accelerator radiation fields: theory and application of radiation detectors and the interpretation of their readings; accelerator shielding; health-physics administration at accelerators.

1-5 MARCH

Materials Characterization ☐ PENN STATE UNIV. MATERIALS RESEARCH LAB ☐ University Park, Pa. (*E. M. Hawk, 102 Engineering Sciences Building, University Park, Pa. 16802*)

Topics: Characterization of the chemical composition (comparing and evaluating emission spectroscopy, solid-state mass spectroscopy, neutron activation) of crystallographic structure, and of the point-, line- and surface-defect content.

17-21 MAY

Materials Properties ☐ PENN STATE UNIV. MATERIALS RESEARCH LAB ☐ University Park, Pa. (*E. M. Hawk, 102 Engineering Sciences Building, University Park, Pa. 16802*)

Topics: Dielectric, magnetic, electric and elastic properties.

FEBRUARY 1971

Orleans, La. 70118) 9/70

MARCH 1971

23-26 • Negative Ions ☐ ATOMIC AND MOLECULAR PHYSICS SUBCOMMITTEE OF IPPS ☐ Liverpool, UK (*Meetings Officer, IPPS, 47 Belgrave Square, London SW1*) [1/71] 9/70 ☐

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