CALENDAR

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

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. 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.

FEBRUARY 1969

6–7 • **Wave Interactions in Solids** □ CITY COLLEGE OF NEW YORK □ New York *(S. Silverstein, Dept. of Electrical Engineering, City College of New York, 140th St. and Convent Ave., N. Y.) 2/69*

13 • **Preparation of Thin Films by the Method of Sputtering** □ VACUUM GROUP, IPPS □ London *(Meetings Officer, IPPS, 47 Belgrave Sq., London, S.W. 1) 2/69*

13, 14 **Conference on Electron Probe Microanalysis** □ ELECTRON MICROSCOPY AND ANALYSIS GROUP, IPPS □ London *(Meetings Officer) 12/68*

27–1 **Southwest Meeting** □ APS □ St. Louis, Mo. *(R. G. Sachs) 4/68*

27–1 **NMR Experimental Conference** □ Pittsburgh *(J. M. Anderson) 1/69*

MARCH 1969

1 □ AAPT KENTUCKY SECTION □ University of Kentucky *(G. K. Miner) 1/69*

4–20 • **Polymer Conference** □ WAYNE STATE UNIVERSITY □ Detroit *(H. K. Livingston, Wayne State University, Detroit, Mich. 48202) 2/69*

Topics: 4–6, optimizing polymer properties; 11–13, biopolymers; 18–20, dispersed polymers.

5–7 **1969 Particle Accelerator Conference** □ IEEE □ Washington, D. C. *(J. A. Martin) 10/68*

6, 7 **Acoustical Holography** □ DOUGLAS ADVANCED RESEARCH LABORATORIES □ Huntington Beach, Calif. *(Secretary, 2nd International Symp. Acoust. Holography) 7/68*

10–13 **1969 Physics Exhibition** □ IPPS □ London *(Exhibitions Officer) 10/68*

11–15 □ OSA □ San Diego, Calif. *(M. E. Warga) 4/68*

13–15 **Isobaric Spin** □ APS □ Pacific Grove, Calif.

17–19 **Physical Electronics** □ YALE U. □ New Haven, Conn. *(T. E. Fischer) 9/68*

17–19 **Annual Meeting** □ SOLAR ENERGY SOCIETY *(F. E. Edlin) 10/68*

20, 21 **Instabilities in Semiconductors** □ APS, IBM □ Yorktown Heights, N. Y. *(M. I. Nathan) 1/69*

23–29 □ ACA □ Seattle, Wash.

24, 25 • **Laser Safety Conference** □ MEDI-

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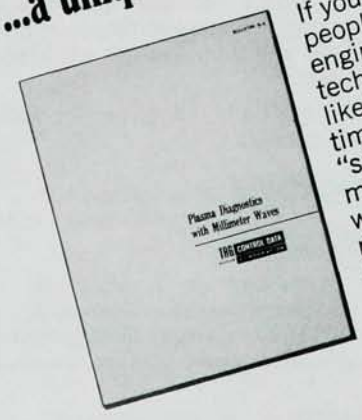

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MARCH 1969

CAL CENTER OF THE UNIVERSITY OF CINCINNATI □ Cincinnati, Ohio *(L. Goldman, c/o Laser Laboratory, Children's Hospital Research Foundation of the Medical Center, University of Cincinnati, Elland and Bethesda Ave., Cincinnati, Ohio) 2/69*

24–26 **Chemical, High-Polymer and Solid-State Physics Div.** □ APS □ Philadelphia, Pa. *(W. W. Havens Jr) 5/68*

24–29 **Symposium on the Flow of Fluid-Solid Mixtures** □ Cambridge, England *(G. K. Batchelor)* by invitation *12/68*

25–27 • **Interactions Among Elementary Excitations in Solids and Liquids** □ SOLID STATE PHYSICS SUBCOMMITTEE, IPPS □ University of Nottingham *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W. 1) 2/69*

25–27 **Lasers and Optoelectronics** □ INSTITUTION OF ELECTRONIC AND RADIO ENGINEERS □ Southampton, England *(Conference Secretary) 1/69*

26–28 • **Engineering Aspects of Magnetohydrodynamics** □ MIT □ Cambridge, Mass. *(D. Jackson, Avco Everett Research Lab., 2385 Revere Beach Parkway, Everett, Mass. 02149) 2/69*

26–28 **Elementary Particles** □ NUCLEAR PHYSICS SUBCOMMITTEE, IPPS □ Cambridge, England *(Meetings Officer) 11/68*

27–28 □ GERMAN VACUUM SOCIETY—SWISS SOCIETY FOR VACUUM PHYSICS AND TECHNOLOGY □ Basle, Switzerland *(Schweizerichse Gesellschaft für vakuum-Physik und-technik) 1/69*

31–2 **Vibrations Conference** □ AMERICAN SOCIETY OF MECHANICAL ENGINEERS □ Philadelphia *(E. E. Ungar) 12/68*

31–3 **Molecular Physics** □ ATOMIC AND MOLECULAR SUBCOMMITTEE, IPPS □ University of Manchester *(Meetings Officer) 1/69*

APRIL 1969

8–10 **Structure of Charged-Particle Tracks In Condensed Media** □ Cambridge, England *(J. W. Boag) 1/69*

8–11 **Inaugural Meeting** □ EUROPEAN PHYSICAL SOCIETY □ Florence, Italy *(L. Cohen) 8/68*

8–11 □ ASA □ Philadelphia, Pa.

11, 12 **Physics Beyond the Solar System** □ APS NEW YORK STATE SECTION *(S. Raboy) 12/68*

11, 12 **Atomic Physics** □ NEW ENGLAND SECTION-APS □ U. of Connecticut *(F. M. Gardner) 1/69*

14–16 • **Field of Materials** □ AD HOC COMMITTEE □ Pennsylvania State U. *(R. Roy, Engineering Sciences Building, University Park, Pa. 16802) 2/69*

15–18 **Intermag** □ IEEE □ Amsterdam *(Th. Holtwijk) 9/68*

15–18 **Conference on the Physics of Liquids** □ SOLID STATE PHYSICS SUBCOMMITTEE, IPPS □ Norwich, Norfolk, England *(Meetings Officer) 10/68*

16–18 **Geoscience Electronics Symposium** □ IEEE □ Washington, D. C. *(M. E. Ringenbach) 10/68*

17, 18 • **Coherent Optics and Instrumentation** □ OAKLAND UNIVERSITY □ Rochester, Mich. *(Conference Dept., Div. of Continuing Education, Oakland University, Rochester, Mich. 48063) 2/69*

19 □ AAPT IOWA SECTION □ University of Northern Iowa *(D. Hutchinson) 1/69*

21–25 **Fundamental Aspects of Dislocation Theory** □ NBS □ Washington, D. C. *(R. deWit)* by invitation only *8/68*

21–25 **50th Anniversary Meeting** □ AMERICAN GEOPHYSICAL UNION □ Washington, D. C. *(Geophysical Union Headquarters) 8/68*

21–25 **Solid State Chemistry** □ ARIZONA STATE U. □ Scottsdale, Ariz. *(L. Eyring) 8/68*

28–30 **Surface Science, Effusion and Evaporation** □ NEW MEXICO SECTION AVS, LOS ALAMOS SCIENTIFIC LABORATORY □ Los Alamos, N. M. *(C. Winkelman) 8/68*

28–1 **Spring Meeting and Nuclear Physics Div.** □ APS □ Washington, D. C. *(W. W. Havens Jr) 5/68*

28–2 **Thin Films** □ INTERNATIONAL CONFERENCE ON THIN FILMS □ Boston, Mass. *(M. H. Francombe) 6/68*

30–3 **Instrument Conference, Exhibit and Education Symposium** □ INSTRUMENT SOCIETY OF AMERICA □ Memphis, Tenn. *(D. L. McPherson) 12/68*

MAY 1969

2 □ ELECTRON AND ATOMIC PHYSICS DIV.—APS □ Washington, D. C. *(W. W. Havens Jr) 11/68*

3–8 • **Annual Meeting** □ AMERICAN CERAMIC SOCIETY □ Columbus, Ohio *(D. W. Readey, American Ceramic Society, 4055 North High St., Columbus, Ohio 43214) 2/69*

4–9 **Spring Meeting** □ ELECTROCHEMICAL SOCIETY □ New York *(Electrochemical Society) 8/68*

5–7 **Aerospace Instrumentation Symposium** □ INSTRUMENT SOCIETY OF AMERICA □ Las Vegas, Nevada *(D. Limbacher) 12/68*

6–8 **Frequency Control Symposium** □ ELECTRONIC COMPONENTS LABORATORY, US ARMY ELECTRONICS COMMAND □ Fort Monmouth, N. J. *(Director, Electronic Components Lab.) 12/68*

6–8 **Nuclear Electronics Symposium** □ NORTH ITALY SECTION, IEEE □ Ispra, Italy *(Luciano Stanchi) 12/68*

7–9 **Annual Symposium** □ AVS SOUTHWEST SECTION *(R. P. Fedchenko) 10/68*

12–15 **Symposium on Spectroscopy** □ CHICAGO SECTION-SOCIETY FOR APPLIED SPECTROSCOPY, CHICAGO GAS CHROMATOGRAPHY GROUP □ Chicago *(R. L. Terry) 12/68*

14–17 □ ISOTOPES AND RADIATION DIV.—ANS □ San Juan, P. R. *(O. J. Du Temple)*

18–23 **Mass Spectrometry** □ AMERICAN SOCIETY FOR TESTING AND MATERIALS □ Dallas *(J. M. McCrea) 1/69*

19–21 **Offshore Technology** □ AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS □ Houston, Tex. *(C. Karlson) 8/68*

21–23 • **Electron, Ion, and Laser Beam Technology** □ IEEE, NBS, AVS, UNIVERSITY OF MARYLAND □ Gaithersburg, Md. *(L. Marton, National Bureau of Standards, Washington, D.C. 20234) 2/69 2/69*

26–28 **Laser Engineering** □ IEEE □ Washington, D. C. *(F. R. Arams) 8/16*

27–30 **Annual Meeting** □ SOCIÉTÉ DE CHIMIE PHYSIQUE □ Paris *(Secrétaire Général de la Société de Chimie physique) 10/68*

JUNE 1969

2–6 • **Radiation Damage in Reactor Materials** □ IAEA □ Vienna, Austria *(J. H. Kane, U.S. Atomic Energy Commission, Washington, D.C. 20545) 2/69*

8–12 **Annual Meeting** □ HEALTH PHYSICS SOCIETY □ Pittsburgh, Pa. *(R. F. Cowing) 10/68*

16, 17 **Polymers in High Performance Applications** □ London *(The Plastics Institute) 12/68*

16–18 • **Structures of Water and Aqueous Solutions** □ U. OF CHICAGO *(G. E. Walrafen, Bell Telephone Labs., Murray Hill, N.J. 07974) 2/69*

16–18 **Fluid and Plasma Dynamics** □ AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS □ San Francisco *(P. A. Libby) 1/69*

16–19 **Annual Meeting** □ ANS □ Seattle, Wash. *(O. J. Du Temple) 11/68*

16–18 **Thermophysics Conference** □ AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS □

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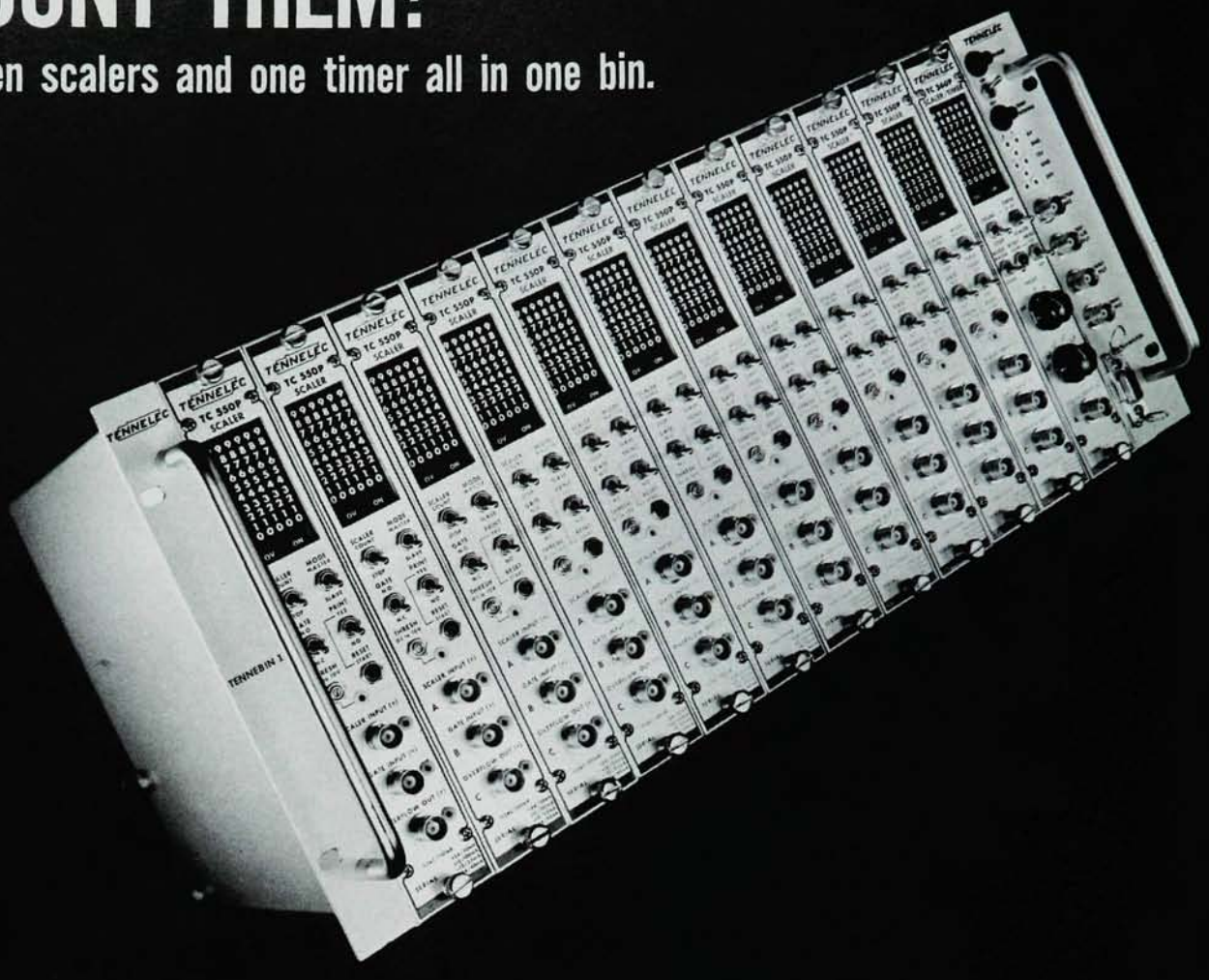

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JUNE 1969

San Francisco *(E. R. Streed) 1/69*

16–20 • **Metal-Ammonia Solutions** □ CORNELL UNIVERSITY □ Ithaca, N.Y. *(J. J. Lagowski, Dept. of Chemistry, University of Texas, Austin, 78712) 2/69*

17–20 **Planning Challenges of the 70's in Space and the Public Domain** □ OPERATIONS RESEARCH SOCIETY OF AMERICA, AMERICAN ASTRONAUTICAL SOCIETY □ Denver, Colo. *(J. G. Shaffer) 12/68*

18–20 **Summer East Meeting** □ APS □ Rochester, N. Y. *(W. W. Havens Jr) 6/68*

23–25 **Shock Tubes** □ APS □ Toronto

23–25 **Summer Meeting** □ AAPT □ St. Louis, Mo.

23–27 **Annual Meeting** □ SOCIETY OF NUCLEAR MEDICINE □ New Orleans, La. *(S. N. Turiel) 11/68*

23–27 **Conference on Plasma Physics and Controlled Fusion** □ FOM-INSTITUTE FOR PLASMA PHYSICS □ Utrecht, Netherlands *(FOM-Institute for Plasma Physics) 11/68*

30–1 • **Fibres for Composites: Strength, Structure and Stability** □ MATERIALS AND TESTING AND CARBON AND GRAPHITE GROUPS, IPPS □ University of Sussex, *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W. 1) 2/69*

30–4 • **From Theoretical Physics to Biology** □ THERMODYNAMICS AND STATISTICAL MECHANICS COMMISSION, IUPAP □ Versailles, France *(R. Kubo, Dept. of Physics, University of Tokyo, Bunkyo-ku, Tokyo, Japan) 2/69*

JULY 1969

2–4 **Lasers in Medicine** □ IPPS, ROYAL SOCIETY OF MEDICINE, OPHTHALMOLOGICAL SOCIETY, HOSPITAL PHYSICISTS ASSOCIATION □ London *(Meetings Officer) 1/69*

8–10 **Three-Body Problem in Nuclear and Particle Physics** □ Birmingham, England *(Administrative Officer, Dept. of Physics) 1/69*

14–18 **Atomic Absorption Spectroscopy** □ IPPS □ Sheffield, England *(AAS Conference Secretary) 8/68*

28–1 **Conference on Physics and Chemistry of Fission** □ IAEA *(L. Agnew) 11/68*

14–19 • **Instruments and Techniques** □ INTERNATIONAL COMMISSION FOR OPTICS, IUPAP □ Reading, England *(W. L. Hyde, Institute of Optics, University of Rochester, River Campus Station, Rochester, N.Y. 14627) 2/69*

16–18 **Electron Microprobe Analysis** □ ELECTRON PROBE ANALYSIS SOCIETY OF AMERICA □ Pasadena, Calif. *(A. A. Chodos) 1/69*

28–2 • **Physics of Electron and Atomic Collisions** □ MIT □ Cambridge, Mass. *(I. Amdur, Dept. of Chemistry, MIT, Cambridge, Mass. 02139) 2/69*

AUGUST 1969

11–13 • □ AMERICAN COMMITTEE FOR CRYSTAL GROWTH □ NBS, Washington, D.C. *(C. S. Sahagian, Air Force Cambridge Research Labs., L. G. Hanscom Field, Bedford, Mass. 01730)* [5/1] *2/69*

11–14 **Symposium on Electron and Nuclear Magnetic Resonance** □ AUSTRALIAN ACADEMY OF SCIENCE □ Clayton, Victoria, Australia *(Executive Secretary) 11/68*

11–15 **Medical Physics** □ US NATIONAL COMMITTEE FOR MEDICAL PHYSICS, INTERNATIONAL ORGANIZATION FOR MEDICAL PHYSICS □ Boston *(E. W. Webster)* [2/28] *8/68*

12–15 **Conference on Photoconductivity** □ OFFICE OF NAVAL RESEARCH □ Stanford U. *(G. S. Picus)* [3/15] *12/68*

13–15 • **Optical Contamination in Space** □ OSA ROCKY MOUNTAIN SECTION □ Aspen, Colo. *(J. A. Muscari, 1610 Martin Marietta, P.O. Box 179, Denver, Colo. 80201) 2/69*

13–21 **International Congress** □ INTERNATIONAL UNION OF CRYSTALLOGRAPHY □ Stony Brook, N. Y. *(International Union of Crystallography) 7/68*

17–24 **NMR Symposium** □ CHEMICAL INSTITUTE OF CANADA, U. OF TORONTO □ Toronto *(Chemical Institute of Canada) 1/69*

24–29 • **Gas Dynamics of Explosions and Reactive Systems** □ INTERNATIONAL ACADEMY OF ASTRONAUTICS AND THE USSR ACADEMY OF SCIENCES □ Novosibirsk, USSR *(Office of the International Academy of Astronautics, 250 rue Saint Jacques, Paris, France, attn.: H. van Gelder) 2/69*

25–29 **Conference on Luminescence** □ IUPAP, APS □ U. of Delaware *(F. Williams)* [5/15] *1/69*

25–30 **Conference on Properties of Nuclear States** □ U. of Montreal *(G. T. Ewan) 11/68*

26–28 **Computerized Electronics** □ CORNELL U. □ Ithaca, N. Y. *(H. J. Carlin) 11/68*

26–29 • **Superconductivity** □ AIR FORCE OFFICE OF SCIENTIFIC RESEARCH, IUPAP □ Stanford U. *(M. D. O'Neill, W. W. Hansen Laboratory of Physics, Stanford University, Calif. 94305)* [5/15] *2/69*

27–2 • **High Energy Accelerators** □ HIGH ENERGY NUCLEAR PHYSICS COMMISSION, IUPAP □ USSR *(L. Van Hove, Div. of Theoretical Studies, CERN, 1211 Geneva 23, Switzerland) 2/69*

29–3 INTERNATIONAL BIOPHYSICS CONGRESS □ Cambridge, Mass. *(W. Rosenblith) 12/68*

SEPTEMBER 1969

2–4 **Summer West Meeting** □ APS □ Honolulu

3–5 • **High Polymer Forum** □ CHEMICAL INSTITUTE OF CANADA, NATIONAL RESEARCH COUNCIL OF CANADA □ Kingston, Ontario *(J. F. Henderson, Research and Development Div., Polymer Corp. Ltd., Sarnia, Ontario)* [4/30] *2/69*

3–5 • **Ultrasonic Attenuation and Internal Friction in Crystalline Solids** □ BROWN U. □ Providence, R.I. *(C. Elbaum, Dept. of Physics, Brown University, Providence, R.I. 02912)* [3/1] *2/69*

4–9 • **Ferroelectricity** □ SOLID STATE COMMISSION, IUPAP □ Kyoto, Japan *(W. Boas, Div. of Tribophysics, C.S.I.R.O, University of Melbourne, Parkville, 3052, Victoria, Australia) 2/69*

5–6 • **High Energy Reactions** □ HIGH ENERGY NUCLEAR PHYSICS COMMISSION, IUPAP □ Stony Brook, N.Y. *(L. Van Hove, Div. of Theoretical Studies, CERN, 1211 Geneva 23, Switzerland) 2/69*

7–12 **Atomic Collision Phenomena in Solids** □ SOLID STATE PHYSICS SUBCOMMITTEE, IPPS □ University of Sussex, Brighton, England *(Meetings Officer) 12/68*

8–12 **Conference on Mass Spectroscopy** □ MASS SPECTROSCOPY SOCIETY OF JAPAN □ Kyoto, Japan *(K. Ogata) 12/68*

8–13 • **High-Energy Physics and Nuclear Structure** □ IUPAP □ Columbia U. *(S. Devons, Dept. of Physics, Columbia University, N.Y. 10027) 2/69*

9–12 • **Nonlinear Optics** □ OPTICAL GROUP IPPS □ The Queen's University of Belfast *(M. H. Key, Dept. of Pure and Applied Physics, The Queen's University of Belfast, Belfast 7, Northern Ireland)* [6/20] *2/69*

10–13 • □ IUPAP □ Dubrovnik, Yugoslavia *(B. Milic, Institut za Fiziku, Studentski trg. 16/III, Postanski fah 57, Belgrade, Yugoslavia) 2/69*

15–9 • **Photon and Electron Interactions** □ HIGH ENERGY NUCLEAR PHYSICS COMMISSION, IUPAP □ Daresbury, England *(L. Van Hove, Div. of Theoretical Studies, CERN, 1211 Geneva 23, Switzerland) 2/69*

17–19 • **High Magnetic Fields and Applications** □ MAGNETISM COMMISSION, IUPAP □ Nottingham, England *(R. Pauthenet, Laboratoire d'Electrostatique et de Physique du Métal, Chemin des Martyrs, B.P. 319, Grenoble, France) 2/69*

SEPTEMBER 1969

17–19 **Cyclotron Conference** □ Oxford, England *(F. J. Stubbs)* [5/15] *1/69*

24–26 **Conference on Nuclear Structure and Elementary Particle Physics** □ NUCLEAR PHYSICS SUBCOMMITTEE, IPPS □ Brighton, England *(Meetings Officer) 11/68*

29–10 **Physicists' Conference** □ Salzburg, Austria *(K. H. Riewe) 12/68*

OCTOBER 1969

1–5 • **Annual Meeting** □ AMERICAN SOCIETY FOR INFORMATION SCIENCE □ San Francisco *(C. P. Bourne, Director, Programming Services Inc., 999 Commercial St., Palo Alto, Calif. 94304) 2/69*

5–10 **Fall Meeting** □ ELECTROCHEMICAL SOCIETY □ Detroit *(Electrochemical Society) 8/68*

19–21 □ S OF R □ St. Paul, Minn.

21–24 □ OSA □ Chicago

28–31 **National Symposium** □ AVS □ Seattle, Wash. *12/68*

29–31 **Gaseous Electronics** □ APS □ Gatlinburg, Tenn.

29–31 **Nuclear Science Symposium and Exhibition** □ GROUP ON NUCLEAR SCIENCE—IEEE □ San Francisco *(Technical Conf. Services) 11/68*

NOVEMBER 1969

3–6 • **Electronic Density of States** □ NBS □ Gaithersburg, Md. *(L. H. Bennett, Rm B150, Materials Building, NBS, Washington, D.C. 20234) 2/69*

4–7 **National Meeting** □ ASA □ San Diego, Calif.

11–14 • **Neutrons in Radiobiology** □ UNIVERSITY OF TENNESSEE, ORNL HEALTH PHYSICS DIVISION □ Oak Ridge, Tenn. *(Physics Abstracts, J. A. Auxier, ORNL, P.O. Box X, Oak Ridge, Tenn. 37830—Biological abstracts, M. J. Constantin, UT-AEC Agricultural Research Lab., 1299 Bethel Valley Road, Oak Ridge, Tenn. 37830)* [6/15] *2/69*

18–21 **Magnetism and Magnetic Materials** □ IEEE, AMERICAN INSTITUTE OF PHYSICS □ Philadelphia *(J. D. Blades)* [8/11] *1/69*

DECEMBER 1969

1–4 **Winter Meeting** □ ANS, ATOMIC INDUSTRIAL FORUM □ San Francisco *(O. J. Du Temple) 12/68*

17–19 □ APS □ Los Angeles, Calif. □