

calendar

NOVEMBER 1976

- 11-13 **APS Southeastern Section and SPS Program** [APS] Virginia Beach, Va. 7/75
- 12-13 **Int Conf on Valence Instability and Related Narrow Band Phenomena** [Organizing Committee] Rochester, N.Y. 7/76
- 14-18 **Plasma Physics** [APS] San Francisco, Cal. 7/75
- 14-19 **62nd Scientific Assembly** [AAPM] Chicago, Ill. [5/1/76] 7/76
- 15-17 **Materials Res Soc—Annual Meeting** [MRS] Cambridge, Mass. 7/76
- 15-19 **Hadron Structure '76** [Organizing Committee] Smolenice, Czech. 9/76
- 16-19 **ASA General Meeting** [ASA] San Diego, Calif. 9/76
- 18-19 **Mössbauer Spectroscopy Conf** [Nassau Community College] Garden City, N.Y. 9/76
- 22-24 **Fluid Dynamics** [APS] Eugene, Ore. 7/75
- 26-28 • **5th Int Conf on the Unity of the Sciences** [Int Culture Found] Wash., D.C. (M. Y. Warder, *Secr-General*, 5th ICUS, P.O. Box 3939, Grand Central Sta, N.Y., N.Y. 10017)
- 29-1 • **7th Int Cong on Microelectronics** [Organizing Committee] München, Fed. Rep. of Germany (K. H. Zaininger, *Solid State Device Tech*, RCA, David Sarnoff Res Ctr, Princeton, N.J.)
- 30-2 **8th Annual Precise Time and Time Interval Meeting** [DOD; NASA] Washington, D.C. [7/16/76] 7/76

DECEMBER 1976

- 1-3 **Optical Phenomena in Infrared Materials** [OSA] Annapolis, Md. 5/76

- 2-4 • **AAS Dynamical Astronomy Meeting** [Div of Dyn Astr AAS] Chapel Hill, N. Carolina (P. K. Seidelmann, *Secr, Dyn Astr Div AAS, Naval Observ*, 34th and Mass. Ave, N.W., Wash., D.C. 20390)
- 3-4 **6th Annual Measurement Sci Conf** [Instrument Soc of Amer.; Western and Cal. Assocs of Weights and Measures; Precision Measurements Assocs; Nat'l Scale Men's Club; Amer. Soc for Quality Control; Div of Measurement Standards, State of Cal.; NBS; Nat'l Conf of Standards Labs; Temp Measurement Soc] San Luis Obispo, Cal. 9/76
- 6-8 **Electron and Atomic Physics** [APS] Lincoln, Nebraska 7/75; 5/76
- 6-8 • **Int Electron Devices Meeting** [IEEE] Wash., D.C. (IEEE, 345 E 47 St, N.Y., N.Y. 10017)
- 6-10 • **Annual Fall Meeting** [AGU] San Francisco, Cal. (Meetings, AGU, 1909 K St, N.W., Wash., D.C. 20006)
- 6-10 **Submillimeter Waves and Applications—2nd Int Conf** [OSA; IEEE] San Juan, Puerto Rico [8/2/76] 7/75
- 13-15 **Atmospheric Aerosols—Optical Properties and Effects** [OSA] Williamsburg, Va. [9/10/76] 5/76
- 13-17 **8th Texas Symp on Relativistic Astrophysics** [APS; AAS] Boston, Mass. 9/76
- 16-17 • **Neutron Scattering Studies of Liquid Crystals** [IOP; ChemSoc] Exeter, UK (A. J. Leadbetter, *Chem Dept, Univ of Exeter, Exeter EX4 4QD UK*)
- 20-22 **APS General Meeting** [APS] Stanford, Calif. [10/1/76] 5/76
- 27-1 **Advanced Mathematical Techniques in Physical Sci** [Univ of Calcutta] Calcutta, India 7/76

Coding: date **subject** [Sponsor] Location (Contact) [abstract deadline] *Physics Today* reference • new listing □ new or revised information

Abbreviations:

- AAPM** American Association of Physicists in Medicine
- AAPT** American Association of Physics Teachers
- AAS** American Astronomical Society
- ACA** American Crystallographic Association
- APS** American Physical Society
- ASA** Acoustical Society of America
- AVS** American Vacuum Society
- OSA** Optical Society of America
- SPS** Society of Physics Students
- S of R** Society of Rheology
- AAAS** American Association for the Advancement of Science
- AGU** American Geophysical Union
- ANS** American Nuclear Society

- ASME** American Society of Mechanical Engineers
- ASTM** American Society for Testing and Materials
- EPS** European Physical Society
- ERDA** Energy Research and Development Administration
- IAEA** International Atomic Energy Agency
- IEEE** Institute of Electrical and Electronics Engineers
- IOP** The Institute of Physics
- IUPAP** International Union of Pure and Applied Physics
- NAS** National Academy of Sciences
- NBS** National Bureau of Standards
- NRC** Nuclear Regulatory Commission
- NSF** National Science Foundation
- ORNL** Oak Ridge National Laboratory

This is a complete listing of physics-related meetings known to us. A complete calendar will appear in alternate months (no calendar in other months). Those wishing to submit items should send complete information at least *three months* before the notice should appear.

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- 28-9 • **Physical Adsorption Workshop** [Brookhaven Nat'l Lab] Upton, N.Y. (*L. Passell, Bldg 510, BNL, Upton, N.Y. 11973*)

JANUARY 1977

- 5-7 **14th Annual Solid State Physics Conf** [Solid State Physics subcommittee, IOP] Manchester, UK 5/76
- 6-12 **Int Conf on Frontiers of Theoretical Physics** [Indian Nat'l Sci Acad] New Delhi, India 9/76
- 9-12 **Symp on Quantum Bio and Pharmacology** [Univ of Fla.; Univ of Uppsala] Sanibel Island, Fla. 9/76
- 10-12 • **Workshop on Applications of Phase Diagrams in Metallurgy and Ceramics** [NBS] Gaithersburg, Maryland (*R. B. Johnson, Materials B348, NBS, Wash., D.C. 20234*)
- 10-14 • **Int Symp on Solid State Physics** [Gov't of India Dept of Science and Tech] Calcutta, India (*A. K. Barua, Chairman Organizing Committee, Indian Assoc for Cultivation of Science, Jadavpur, Calcutta 700 032, India*) [11/30/76]
- 12-13 • **Tutorial Conf on Semiconductor Memories and Magnetic Bubble Devices** [Fairleigh Dickinson U] Teaneck, N.J. (*N. J. Sablik, Dept of Physics, Fairleigh Dickinson U, Teaneck, N.J. 07666*)
- 17-19 **Int Conf on Synchrotron Radiation and Runaway Electrons in Tokamaks** [ORNL; US ERDA; Univ of Maryland] College Park, Md. [12/3/76] 9/76
- 19-22 **8th Annual Meeting** [Div of Planetary Sciences, AAS] Honolulu, Hawaii 9/76
- 24-28 **Magnetosphere and its Environment** [Royal Soc of New Zealand] Christchurch, New Zealand 5/76
- 25-28 **Clean Fuels From Biomass and Wastes—2nd Symp** [Inst of Gas Tech] Orlando, Fla. 9/76
- 30-4 **Winter Meeting** [IEEE Power Engineering Soc] N.Y., N.Y. 7/76
- 31-4 **Computerized Tomography** [Univ of Cal.] San Francisco, Cal. 9/76
- 31-4 □ **Laser Spectroscopy Summer School** [Univ of Waikato] Hamilton, New Zealand (*D. F. Walls, Dept of Physics, Univ of Waikato, Hamilton, New Zealand*)

FEBRUARY 1977

- 7-10 **Joint Meeting** [APS; AAPT] Chicago, Ill. [11/1/76] 5/76
- 16-18 **Conf on Atomic Physics of High Temp Plasmas** [ORNL; US ERDA, Div of CTR] Knoxville, Tenn. [1/1/77] 9/76
- 20-26 **Science and Change: Hopes and Dilemmas—143rd Nat'l Meeting** [AAAS] Denver, Colo. 7/76
- 22-24 **Optical Fiber Transmission II** [OSA; NASA Langley Res Cntr] Williamsburg, Va. [9/3/76] 7/76
- 23-24 • **Symp on Flow Measurements** [NBS] Gaithersburg, Maryland (*W. Haight, rm 103, Fluid Mechanics Bldg, NBS, Wash., D.C. 20234*)
- 24-5 **Contacts of High Energy Physics with**

Other Physics Fields [Organizing Committee] Schlading, Austria (*Inst for Theoretische Physik, U of Graz, Universitäts-platz 5, A-8010 Graz, Austria*) [2/10/77]

- 27-2 **47th Annual Meeting** [Soc of Rheology] N.Y., N.Y. 7/76
- 28-4 **Int Symp on Handling of Radiation Accidents** [IAEA; OECD Nuclear Energy Agency] Vienna, Austria [9/20/76] 9/76
- 28-4 **Conf on Analytical Chemistry and Applied Spectroscopy** [Soc for Analytical Chemists of Pittsburgh; Spectroscopy Soc of Pittsburgh] Cleveland, Ohio [9/15/76] 9/76

MARCH 1977

- 14-18 • **Numerical and Asymptotic Techniques for Electromagnetics and Antennas** [U of Ariz.] Tucson, Ariz. (*C. R. Hausenbauer, Engineering Dept, U of Ariz., Tucson, Ariz. 85721*)
- 16-18 **Particle Accelerator Conf** [IEEE] Chicago, Ill. 7/75
- 16-18 • **10th Annual Simulation Symp** [Soc for Computer Simulation; Assoc of Computing Machinery; IEEE Computer Soc] Tampa, Fla. (*Publ Relations, 10th ASS, P.O. Box 22621, Tampa, Fla. 33622*)
- 16-19 **Symp on Archeometry and Archaeological Prospection** [Univ of Penna.; Univ Museum] Phila, Penna. 7/76
- 21-23 • **3rd Annual Conf and Expo** [Amer. Natl Metric Council] Chicago, Ill. (*G. B. Buchanan, ANMC, 1625 Mass. Ave, N.W., Wash., D.C. 20036*)
- 21-24 **General Meeting** [APS] San Diego, Calif. [1/7/77] 5/76
- 23-25 **Nuclear Physics** [IOP] York, UK 9/76
- 24-26 **Nuclear Structure** [IOP] Guildford, UK 9/75
- 27-30 **Interdisciplinary Surface Sci Conf** [IOP] York, UK 9/76
- 28-31 **Chemistry and Physics of Macromolecules and Organic Compounds Under High Pressure** [Eur High Pressure Res Group; EPS] Darmstadt, Germany 9/76
- 28-1 **Int Conf on Metallurgical Coatings** [AVS] San Francisco, Cal. [11/10/76] 9/76
- 29-31 • **Int Specialists Symp on Neutron Standards and Applications** [NBS; IAEA; US ERDA; APS; Electric Power Inst] Gaithersburg, Maryland (*C. Bowman, B119 RADP, NBS, Wash., D.C. 20234*)

APRIL 1977

- 4-7 **9th Nat'l Atomic and Molecular Physics Conf** [IOP] Reading, UK 9/76
- 14-15 **3rd Int Conf on Ternary Compounds** [Heriot-Watt Univ] Edinburgh, UK 7/76
- 18-20 **5th Conf on Chemical and Molecular Lasers** [Organizing Committee] St. Louis, Mo. [1/10/77] 9/76

18-28 **Symp on Electron Density Mapping in Molecules and crystals** [Israel Crystallography Soc; Eur Crystallographic Committee] Rehovot, Israel 9/76

- 20-22 • **11th Symp on Nondestructive Evaluation** [Southwest Res Inst; Amer Soc for Nondestructive Testing] San Antonio, Texas (*SwRI, P.O. Drawer 28510, San Ant, Tex. 78284*) [12/1/76]
- 20-27 **1st Int Conf of Scientific Editors—Scientific Info Transfer: The Editor's Role in Tomorrow's World** [Organizing Committee] Jerusalem, Israel 7/76
- 21-22 • **8th Annual Pittsburgh Modeling and Simulation Conf** [IEEE; ISA; Soc for Computers Simulation; Systems, Man and Cybernetics Soc; Int Assoc for Math and Computers in Simulation; U of Pittsburgh] Pittsburgh, Penna. (*W. G. Vogt, Modeling and Simulation Conf, 348 Benedum Engineering Hall, U of Pittsburgh, Pittsburgh, Penna. 15261*)
- 29-30 **Annual Meeting AAPT** [Colo.-Wyoming Section—AAPT] Denver, Colo. 9/76

MAY 1977

- 1-6 **30th Annual Conf** [Soc of Photographic Scientists and Engineers] Los Angeles, Cal. 9/76
- 2-5 • **Spring Conf and Exhibit** [ISA] Anaheim, Cal. (*R. A. Kubick, 4913 Angeles Crest Circle, LaCanada, Cal. 91011*) [9/1/76]
- 2-13 **Nuclear Power and Its Fuel Cycle** [IAEA] Salzburg, Austria 7/76
- 5-15 • **Int Conf of Space-Time Absoluteness** [Lab for Fundamental Physical Problems] Varna, Bulgaria (*S. Marinov, LFPP, ul Elin Pelin 22, Sofia 1421, Bulgaria*)
- 10-12 **7th Symp on Thermophysical Properties** [NBS; ASME] Gaithersburg, Md. [11/1/76] 9/76
- 14-19 • **Dialogues in Microscopy—Centennial Celebration** [N.Y. Microscopical Soc] N.Y., N.Y. (*J. A. Reffner, NYMS, Inst of Materials Science, U of Conn., Storrs, Conn. 06268*) [3/1/77]
- 16-18 • **Conf on Corrosion of Metal in Bldgs** [NBS] Gaithersburg, Maryland (*G. Frohnsdorff, B350 Bldg Res Bldg, NBS, Wash., D.C. 20234*)
- 16-18 • **16th Symp on Engineering Aspects of Magnetohydrodynamics** [Steering Committee] Pittsburgh, Penna. (*D. Bienstock, Pittsburgh Energy RES Ctr, US ERDA, 4800 Forbes Ave, Pittsburgh, Penna. 15213*) [12/10/76]
- 16-18 **Symp on Remote Sensing** [Canadian Remote Sensing Soc] Ottawa, Canada 7/76
- 18-20 • **7th Annual Anomalous Absorption Conf** [U of Mich.] Ann Arbor, Mich. (*D. Steel, rm 2250 G. G. Brown Lab, Dept of Nuclear Engineering, U of Mich., Ann Arbor, Mich. 48109*)
- 18-21 • **Symp on History of Nuclear Physics** [Organizing Committee] Minneapolis, Minnesota (*R. H. Stuewer, School of Physics and Astronomy, U of Minnesota, Minneapolis, Minn. 55455*)
- 19-21 • **Evolution of Galaxies and Stellar Populations** [Yale U] New Haven, Conn. (*B. M. Tinsley, Yale U Observ, Box 2023 Yale Station, New Haven, Conn. 06520*)

- 21-27 • **6th Int Symp on Magnetic Resonance** [Organizing Committee] Banff, Canada (R. W. Dolan, Exec Sec, 6th IS on MR, c/o NRC of Canada, Ottawa, Canada K1A 0R6)
- 23-25 **Plasma Sci Int Conf** [IEEE; NPSS] Troy, N.Y. [2/1/77] 7/76
- 23-25 • **Inst on Scientific Problems Related to Coal Utilization** [West Virginia U] Morgantown, W. Virginia (A. F. Galli, College of Engineering, W.Va. U, Morgantown, W.Va. 26506)

JUNE 1977

- 1-3 • **Conf on Laser Engineering and Applications** [IEEE; OSA] Wash., D.C. (M. Cohen, Western Elec Co, P.O. Box 900, Princeton, N.J. 08540) [1/7/77]
- 2-4 • **Conf on Math Found of Quantum Theory** [Loyola U] New Orleans, La. (A. R. Marlow, Dept of Phys, Loyola U, New Orleans, La. 70118)
- 5-10 **Int Magnetism Conf** [Organizing Committee] Los Angeles, Cal. 7/75
- 6-8 • **Int Workshop on Mercuric Iodide and Cadmium Telluride Nuclear Detectors** [Organizing Committee] Jerusalem, Israel (M. Schieber, School of Applied Sci Tech, Hebrew U of Jerusalem, Jerusalem, Israel) [5/2/77]
- 6-9 • **Int Conf on Multiphoton Processes** [IUPAP; US ERDA; ONR] Rochester, N.Y. (J. H. Eberly, ICOMP, Dept of Physics and Astron, U of Rochester, Rochester, N.Y. 14627)
- 7-10 **Spring Meeting** [ASA] State College, Penna., 7/76; 3/76
- 8-10 • **4th Conf on Coherence and Quantum Optics** [USAF Office of Sci Res; U of Rochester] Rochester, N.Y. (4th CCQO, Dept of Physics and Astron, U of Rochester, Rochester, N.Y. 14627) [3/12/77]
- 13-16 • **Conf on Synthesis and Properties of Low-Dimensional Materials** [N.Y. Acad of Sciences] N.Y., N.Y. (Conf Dept, NYAS, 2 E 63 St, N.Y., N.Y. 10021)
- 14-20 **4th Int Conf on Structural Mechanics and Reactor Tech** [ANS] San Francisco, Cal. 9/75
- 20-24 **Int Conf on Fourier Transform Infrared Spectroscopy** [OSA; Soc for Applied Spectroscopy; Coblentz Soc] Columbia, S. Carolina [1/15/77] 9/76
- 21-23 **Int Microwave Symp** [Organizing Committee] San Diego, Cal. 7/75
- 21-24 • **Matrix Isolation Spectroscopy** [Organizing Committee] Berlin, Fed. Rep. of Germany (H. Gerischer, Fritz-Haber-Inst, Faradayweg 4-6, 1000 Berlin 33 Germany) [12/31/76]
- 21-25 **World Electrotechnical Cong** [USSR Ministry for Electrical Engineering Industries; USSR Acad of Sci; IEEE; Int Electrotech Commission] Moscow, USSR [9/1/76] 9/76
- 22-24 **Summer Meeting** [AAPT] Rio Piedras, Puerto Rico 9/76
- 27-29 **Physical Electronics Conf** [APS-Solid State and Electron and Atomic Physics Divs] Stanford, Cal. [5/13/77] 9/76
- 27-30 • **2nd Int Conf on Nucleon-Nucleon Interaction** [CAP; TRIUMF] Vancouver, Canada (D. F. Measday, Physics

Dept, U of British Columbia, Vancouver, B.C. Canada V6T 1W5)

- 27-1 **3rd Int Cong on Waves and Instabilities in Plasmas** [Organizing Committee] Paris, France [4/29/77] 7/76
- 27-1 **7th Int Conf on Amorphous and Liquid Semiconductors** [IUPAP] Edinburgh, UK 7/76
- 27-1 □ **3rd Int Conf on Ion Beam Analysis** [NRL; Georgetown Univ] Wash. D.C. [3/4/77] 7/76

JULY 1977

- 4-6 **Conf on Rare Earths and Antinides** [Solid State Physics subcommittee, IOP] Univ of Durham, UK 1/76
- 4-7 **6th Int Conf on Internal Friction and Ultrasonic Attenuation of Solids** [Organizing Committee] Tokyo, Japan 9/76
- 6-8 **Int Conf on Hot Electrons in Semiconductors** [ONR] Denton, Texas [3/1/77] 7/76
- 12-15 • **9th Annual Conf** [EPS, Eur Group for Atomic Spectroscopy] Krakow, Poland (D. Kunisz, Inst of Physics Jagellonian U, ul Reymonta 4 30-059 Krakow 16 Poland)
- 13-15 **Int Symp on Microwave Diagnostics of Semiconductors** [Semiconductor Lab of Tech Res Ctr of Finland] Porvoo, Finland [9/30/76] 7/76
- 15-21 **High Energy Physics** [Dubna Joint Inst for Nuclear Res] Tbilisi, USSR 7/76
- 17-22 **5th Int Conf on Crystal Growth** [MIT] Cambridge, Mass. 7/76
- 21-27 **Int Conf on the Physics of Electronic and Atomic Collisions** [Organizing Committee] Paris, France 7/76
- 25-29 • **Int High Pressure Conf—Applications and Techniques** [Int Assoc for Res and Advancement of High Pressure Tech] Boulder, Colo. (K. D. Timmerhaus, Assoc Dean of Engineering, Engineering Ctr AD 1-25, U of Colorado, Boulder, Colo. 80309) [1/15/77]
- 26-29 **Molecular Solids/Electron Transport Conf** [EPS Condensed Matter Div; IOP] Leeds, UK 7/76

AUGUST 1977

- 7-13 **8th Int Conf on General Relativity and Gravitation** [Int Soc on GR&G] Waterloo, Canada 7/76
- 10-12 • **Thermoelectric Properties of Metallic Conductors** [Int Organizing Committee] East Lansing, Mich. (P. A. Schroeder, Physics Dept, Mich. State U, East Lansing, Mich. 48824)
- 10-19 • **15th Int Cong of the History of Science** [Int Union of History and Philosophy of Science] Edinburgh, UK (E. G. Forbes, The Royal Soc of Edinburgh, 22 George St, Edinburgh EH2 2PQ, Scotland, UK)
- 13-26 • **15th Int Cosmic Ray Conf** [IUPAP] Plovdiv, Bulgaria (C. Y. Christov, Bulgarian Acad of Sciences, Inst of Nuclear Res and Energy, Boul. Lenin 72, Sofia 13, Bulgaria)
- 15-18 • **Int Conf on Polymer Processing** [MIT] Cambridge, Mass. (N. P. Suh, Dept of Mechanical Engineering, MIT, rm 35-134, Cambridge, Mass. 02139) [11/30/76]

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- 15-19 **Physics of Transition Metals** [Int Program Committee] Toronto, Canada 7/76
- 16-20 **Charge Spin and Momentum Density** [U of Helsinki] Kiljava, Finland 7/76
- 19-24 • **Int Microprobe Meeting** [Electron Microscopy Soc of Amer] Boston, Mass. (P. Lublin, GTE Labs, 48 Sylvan Rd, Waltham, Mass. 02154)
- 19-28 **Structure and Radiation Properties of Aerosols and Clouds** [Munich Univ] Garmisch-Partenkirchen, Fed. Rep. of Germany 7/76
- 22-26 • **35th Annual Meeting** [Electron Microscopy Soc of Amer] Boston, Mass. (P. Lublin, GTE Labs, 48 Sylvan Rd, Waltham, Mass. 02154)
- 22-26 • **6th Int Colloquium on Gasdynamics of Explosions and Reactive Systems** [Organizing Committee] Stockholm, Sweden (Office of Int Acad of Astronautics, 250 Rue Saint Jacques, Paris, France 75005) [2/1/77]
- 24-30 • **13th Conf of Statistical Physics** [IUPAP; Israel Acad of Science and Humanities; Israel Physical Soc] Haifa, Israel (C. G. Kuper, Physics Dept, Technion-Israel Inst of Tech, Haifa, Israel)
- 29-1 • **3rd Specialized Colloque Ampere: Optical Studies in Magnetic Resonance** [Organizing Committee] Dublin, UK (B. Henderson, Trinity College, U of Dublin, Dublin 2, Ireland UK) [1/5/77]
- 29-1 • **5th Int Conf on Liquefied Natural Gas** [Organizing Committee] Düsseldorf, Fed. Rep. of Germany (M. Carne, British Gas Corp, 59 Bryanston St, London W1A2AZ, UK) [9/30/76]
- 29-2 • **6th Int Conf on Magnet Tech** [Int Organizing Committee] Bratislava, Czech. (M. Jergel, Electrotech Inst, Slovak Acad of Sciences, Dúbravská cesta, 809 32 Bratislava, Czech.)
- 31-2 • **1st Astron and Astrophysics Conf** [U of Canterbury] Christchurch, New Zealand (Dept of Physics, U of Canterbury, Christchurch, N. Zealand)

SEPTEMBER 1977

- 5-9 **5th Int Conf on Vacuum Ultraviolet Radiation Physics** [Organizing Committee] Montpellier, France 7/76
- 5-9 • **Int Symp on Physics at Ultralow Temps** [IUPAP] Hakone, Japan (S. Nakajima, The Inst for Solid State Physics, U of Tokyo, Minato-ku, Tokyo 106, Japan)
- 5-9 • **24th Int Field Emission Symp** [U of Oxford] Oxford, UK (G. D. W. Smith, Dept of Metallurgy and Science of Materials, Oxford U, Parks Rd, Oxford, UK)
- 5-10 • **Int Conf on Lattice Dynamics** [Organizing Committee] Paris, France (M. Balkanski, Lab de Physique des Solides, U Pierre et Marie Curie, 4 Place Jussieu, 75230 Paris Cedex 05, France)
- 11-16 **Symp on Physics and Chemistry of Ice** [Int Glaciological Soc] Cambridge, UK 7/76
- 12-16 □ **7th Int Vacuum Congress and 3rd Int Conf on Solid Surfaces** [Organizing Committee] Vienna, Austria 7/75
- 19-22 **50th Anniversary of the Discovery of Electron Diffraction—Int Conf** [IOP] London, UK 7/76

OCTOBER 1977

- 2-4 **Global Growth Alternatives** [Soc for Int Development; Club of Rome; Univ of Houston; Mitchell Energy & Devel Corp] Houston, Texas 9/76
- 3-7 **4th Int Conf on Small-Angle Scattering of X-Rays and Neutrons** [ORNL; US ERDA; US Nat'l Committee for Crystallography; ACA; Int Union of Crystallography] Gatlinburg, Tenn. 7/76
- 14-16 • **3rd Nat'l Quantum Electronics Conf** [IOP; IEE; Chem Soc] Southampton, UK (D. C. Hanna, Dept of Electronics, U of Southampton, Southampton, Hants SO9 5NH, UK)
- 18-21 □ **7th Symp on Engineering Problems of Fusion Res** [ORNL; IEEE; US ERDA; ANS] Knoxville, Tenn. (M. S. Lubell, ORNL, P.O. Box Y, Bldg 9204-1, Oak Ridge, Tenn. 37830) 9/76
- 21-27 • **Annual Meeting** [OSA] San Diego, Cal. (OSA Meetings, Suite 620, 2000 L St, N.W., Wash., D.C. 20036)
- 23-26 • **24th Canadian Spectroscopy Symp** [Spec Soc of Canada] Ottawa, Canada (T. R. Churchill, Canmet, 555 Booth St, Ottawa, Ontario, Canada K1A 0G1) □

SHORT COURSES

11-13 JANUARY 1977

Lasers and Applications [Continuing Ed Courses] Arlington, Va. (CEC, P.O. Box 245, McLean, Va. 22101)

26-27 FEBRUARY 1977

Deformation and Fracture of Polymers [IMB; RPI] N.Y., N.Y. (E. A. Collins, B. F. Goodrich, Avon Lake, Ohio 44012)

5-6 MARCH 1977

Diagnostic Nuclear Imaging [U of Cal., San Francisco] San Francisco, Cal. (Extended Progs in Medical Educ, U of Cal., 569 U, San Francisco, Cal. 94143)

7-11 MARCH 1977

Diagnostic Radiology: 1977 [U of Cal., San Francisco] San Francisco, Cal. (Extended Progs in Medical Educ, U of Cal., 569 U, San Francisco, Cal. 94143)

12-13 MARCH 1977

Practical Course in Ultrasound [U of Cal., San Francisco] San Francisco, Cal. (Extended Progs in Medical Educ, U of Cal., 569 U, San Francisco, Cal. 94143)

17-30 APRIL 1977

Chemically Induced Magnetic Polarization [NATO Adv Study Inst] Urbino, Italy (L. T. Muus, Chemistry Inst, 140 Langelandsgade, DK-8000 Aarhus C, Denmark) [1/20/77]

4-20 JULY 1977

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