

calendar

JULY 1980

- 14-15 **Joint Wrkshp: Electron Cyclotron Emission and Heating** Oxford, UK 5/80
- 14-16 **Int Wrkshp on Stellarators** Rotach-Egern, Fed. Rep. Germany 5/80
- 14-16 **4th Int Conf on Baryon Resonances** Toronto, Canada 5/80
- 14-16 **13th Fluid and Plasma Dynamics Conf/15th Thermophys Conf** Snowmass, Colorado 5/80
- 14-19 **9th Int Conf on Gen Relativity and Gravity** Jena, German Dem. Rep. 7/79
- 15-17 **Topical Meeting on Coherent Laser Radar for Atmospheric Sensing** Aspen, Colorado 5/80
- 15-18 **Nuclear and Space Radiation Effects Conf** Ithaca, N.Y. 1/80
- 15-19 **Int Cloud Phys Conf** Clermont Ferrand, France 5/80
- 16-18 **Int Conf on the Frontiers of Glass** Los Angeles, Cal. 11/79

- 17-23 **20th Int Conf on High Energy Phys** Madison, Wisc. 9/79
- 20-26 **Cornell Symp on Liquid and Solid ^3He** Ithaca, N.Y. 9/79
- 21-25 **Symp on Amorphous Silicon Phys and Applications** Trieste, Italy 5/80
- 21-25 **5th Int Conf on Hyperfine Interactions** West Berlin, Fed. Rep. Germany 9/79
- 22-25 **Symp on Fundamental Problems in the Theory of Stellar Evolution** Kyoto, Japan 9/79
- 24-2 **1980 Dumand Symp** Honolulu, Hawaii 5/80
- 27-31 **AAPM 22nd Annual Meeting** Minneapolis, Minn. 7/79
- 28-1 **Wrkshp on Lattice Gauge Theory and Related Subjects** Santa Barbara, Cal. 5/80
- 28-1 **5th Eur Reg Astron Meeting: Variability in Stars and Galaxies** Liège, Belgium 5/80
- 28-1 **Int Conf on Periodic Structures, Gratings, Moiré Patterns and Diffraction Phenomena** San Diego, California 5/80

Coding: date title [sponsor] location (contact) [abstract deadline] PHYSICS TODAY issue containing full listing

Please note: A calendar entry preceded by an ➔ is a new and complete listing. A ● denotes an entry that contains additional or revised information. An entry not preceded by either symbol is an abridged version of a complete listing previously published in PHYSICS TODAY. The date at the end of an abridged entry specifies the issue in which the item originally appeared.

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
DOE Department of Energy

DPG Deutsche Physikalische Gesellschaft
EPS European Physical Society
IAEA International Atomic Energy Agency
IAU International Astronomical Union
IEEE Institute of Electrical and Electronics Engineers
IOP The Institute of Physics
IUPAP International Union of Pure and Applied Physics
IUPAC International Union of Pure and Applied Chemistry
NAS National Academy of Sciences
NBS National Bureau of Standards
NRC Nuclear Regulatory Commission
NRL Naval Research Laboratory
NSF National Science Foundation
ONR Office of Naval Research

A calendar of physics-related meetings is included only in alternate (odd-numbered) months. Send information to: Calendar, PHYSICS TODAY, 335 45th Street, New York, N.Y. 10017. A notice should be timed to arrive three months before the listing should appear.



WOULD YOU GO TO A MEETING WITH THIS MAN?

He is Warren Smith, the President of the Optical Society, and he will be returning to

CHICAGO

after an absence of twenty years. The occasion of his return is the 1980 Annual Meeting to be held at the Pick Congress Hotel, October 13-17, 1980

Your assignment, should you choose to accept it, will be

- ★ To attend the 1980 Annual Meeting in Chicago and
- ★ To help welcome a great American, Warren Smith, on his return to Chicago.

EXHIBITS

The Society will again this year sponsor a large informal tabletop exhibit of instruments and equipment. The exhibits have become an integral part of the OSA annual meetings, attracting all elements of the optical community. For more information, write or call

Joan Connor
Meetings Manager
Mary Dean VanLandingham
Exhibits Manager

Optical Society of America
1816 Jefferson Place, N.W.
Washington, D.C. 20036
(202) 223-8130



- 28-1 **6th Eur Crystallographic Meeting** Barcelona, Spain 1/80
- 28-8 **1st Int Wrkshp on Light Absorption by Aerosol Particles** Ft. Collins, Colorado 5/80

AUGUST 1980

- 4-7 **5th Int Conf on Zirconium in the Nuclear Industry** Boston, Mass. 7/79
- 4-8 **Joint Meeting of the Electron Microscopy Soc of Amer and the Microbeam Analysis Soc** San Francisco, Cal. 11/79
- 4-8 **Conf on Optics in Four Dimensions** Ensenada, Cal. 1/80
- 4-8 **7th Int Conf on Atomic Phys** Cambridge, Mass. 9/79
- 4-8 **Denver Conf on Applications of X-Ray Analysis** Denver, Colo. 1/80
- 4-9 **3rd Wrkshp on Lie-Admissible Formulations** Cambridge, Mass. (R. M. Santilli, Sci. Ctr., Rm. 435, Harvard U., Cambridge, Mass. 02138)
- 4-9 **Int Conf on Raman Spectroscopy** Ottawa, Canada 7/79
- 4-9 **Symp on Atmospheric Ozone** Boulder, Colo. 7/79
- 8-13 **ANS Annual Meeting** Las Vegas, Nevada 5/80
- 10-14 **3rd Int EPR Symp** Denver, Colo. 1/80

- 10-15 **Int Conf on Low Dimensional Synthetic Metals** Helsingør, Denmark 9/79
- 11-13 **Colloquium: Stellar Hydrodynamics** Los Alamos, N.M. 5/80
- 11-14 **NMR Symp** Denver, Colo. 1/80
- 11-15 **2nd Int Topical Conf on Muon Spin Rotation** Vancouver, Canada 5/80
- 11-15 **5th Int Symp on Polarization Phenomena in Nuclear Phys** Santa Fe, N.M. 11/79
- 11-16 **Symp on Radiative Processes in the Atmosphere** Fort Collins, Colo. 7/79
- 17-22 **ACA Annual Meeting** Calgary, Canada 9/79
- 17-22 **Int Symp on Polymer Compatibility and Incompatibility: Principles and Practice** Midland, Michigan 5/80
- 17-23 **9th Int Conf on the Few-Body Problem** Eugene, Ore. 9/79
- 17-23 **15th Int Congress on Theoretical and Applied Mechanics** Toronto, Canada (M. K. Charbonneau, Nat. Res. Council of Canada, Ottawa KIA OR6, Canada)
- 17-23 **14th Conf on Thermodynamics and Statistical Mechanics** Edmonton, Canada 9/79
- 18-22 **Micro 80** Brighton, UK 11/79
- 18-22 **Phys of Transition Metals** Leeds, UK 9/79
- 18-22 **Symp on Millimeter Wave Tech, with Emphasis on Radio Astronomy Applications** Grenoble, France 1/80

- 18-22 **35th Annual Calorimetry Conf** Eu-
faula, Alabama 5/80
- 20-22 **Symp on Photochem in Large Molecules and Solids** San Jose, Cal. 1/80
- 20-31 **UN Conf on Sci and Tech for Development** Vienna, Austria 1/80
- 24-29 **X-ray Processes and Inner-Shell Ionization** Strathclyde, UK 9/79
- 24-30 **Int Conf on Nuclear Phys** Berkeley, Cal. 1/80
- 24-30 **Int Conf on Post-Graduate Education of Phys** Prague, Czechoslovakia 1/80
- 24-30 **7th Eur Congress on Electron Microscopy** The Hague, The Netherlands 9/79
- 25-27 **4th Int Conf on Photon Correlation Techniques in Fluid Mechanics** Stanford, Cal. 5/80
- 25-29 **12th Australian Spectroscopy Conf** Sydney, Australia 1/80
- 25-29 **4th Nat Congress of the Australian Inst of Phys** Melbourne, Australia 7/79
- 25-29 **Int Conf on Phys in One Dimension** Fribourg, Switzerland 9/79
- 25-30 **Joint ISMAR-AMPERE Conf on Magnetic Resonance** Delft, The Netherlands 9/79
- 25-30 **10th Symp on Phys of Ionized Gases** Dubrovnik, Yugoslavia 5/80
- 26-29 **6th Int Conf on Thermodynamics** Merseburg, German Dem. Rep. 5/80
- 26-29 **Symp on Pulsars** Bonn, Fed. Rep. Germany 5/80
- 26-29 **Int URSI Symp. on Electromagnetic Waves** Munich, Fed. Rep. Germany 1/80
- 28-29 **4th Int Conf on Ternary and Multinary Compounds** Tokyo, Japan 9/79

Short Courses and Schools

Nuclear Structure Studies by Means of Nuclear Reactions

31 August-12 September Mikolajki, Poland (Z. Wilhelmi, Hoza, PL-00-681, Warsaw, Poland)

Phys Processes in Red Giants

3-13 September [Adv. School of Astron.] Erice, Italy (A. Renzini, Osservatorio Astronomico, c.p. 596, 1-40 100 Bologna, Italy)

Atomic and Molecular Collision Theory

14-27 September [NATO Adv. Study Inst.] Cortona (Arezzo), Italy (F. A. Gianturco, c/o Scuola Normale Superiore, Piazza de Cavalieri, 56100 Pisa, Italy)

Fluid Mechanics Measurement

15-18 September [U. Minnesota] Minneapolis, Minn. (John Vollum, 222 Nolte, 315 Pillsbury Dr., S. E., U. Minnesota, Minneapolis, Minn. 55455)

Geophys Flow Dynamics

30 Sept-24 October Trieste, Italy (Int. Centre for Theoretical Phys., PO Box 586, I-34100 Trieste, Italy)

Fundamentals of Nondestructive Assay of Fissionable Material using Portable Instrumentation

6-10 October [DOE] Los Alamos, New Mexico (US Dept. of Energy, Safeguards Tech. Training Program, PO Box 1663,

MS 550, Los Alamos Sci. Lab., Los Alamos, N.M. 87545)

Phys of Waterlogging and Salinity

27-31 October Trieste, Italy (Int. Centre for Theoretical Phys., PO Box 586, I-34100 Trieste, Italy)

Phys of Desertification

10-28 November Trieste, Italy (Int. Centre for Theoretical Phys., PO Box 586, I-34100 Trieste, Italy)

Gamma-Ray Spectroscopy for Nuclear Materials Accountability

8-12 December [DOE] Los Alamos, New Mexico (US Dept. of Energy, Safeguards Tech. Training Program, PO Box 1663, M5550, Los Alamos Sci. Lab., Los Alamos, N.M. 87545)

Underwater Acoustics

8-12 September [Penn State U.] University Park, Pa (Alan D. Stuart, Course Chairman, Pennsylvania State U., Applied Research Lab., PO Box 30, State College, Pa 16801).

Laser Principles and Techniques in Atomic and Molecular Phys

16 February-13 March 1981 Trieste, Italy (Int. Centre for Theoretical Phys., PO Box 586, I-34 100 Trieste, Italy)

Lasers in Chem and Biol

16 March-3 April 1981 Trieste, Italy (Int. Centre for Theoretical Phys., PO Box 586, I-34100 Trieste, Italy)

SEPTEMBER 1980

- 1-3 **6th Int Conf on High Voltage Electron Microscopy** Antwerp, Belgium 5/80
- 1-3 **Chem, Phys and Tech of Organic Substances under High Pressure** Amsterdam, The Netherlands 5/80
- 1-5 **Colloquium: Pierre Curie** Paris, France 5/80
- 1-5 **15th Int Conf on the Phys of Semiconductors** Kyoto, Japan 5/80
- 1-5 **Working Seminar: Models of Fundamental Interactions** Dublin, Ireland 5/80
- 1-5 **Int Symp on Medical Radionuclide Imaging** Heidelberg, Fed. Rep. Germany 5/80
- 1-6 **8th Int Congress on Rheology** Naples, Italy 9/79
- 1-6 **10th Int Electromagnetic Isotope Separator Conf** Zinal, Switzerland 5/80
- 1-6 **Int Symp on the Reactivity of Solids** Cracow, Poland 9/79
- 1-6 **Int Conf on Education for Phys Teaching** Trieste, Italy 1/80
- 1-13 **Phys Thought in 1980: Sci and Humanism in Our Times** Village de Peyresq, France 5/80

- 2-5 **12th Annual Conf of the Eur Group for Atomic Spectroscopy** Pisa, Italy 9/79
- 2-6 **Eur Study Conf on Low Energy Molecular Collisions** Oxford, UK 5/80
- 3-6 **Joint AAS HEAD-APS Cosmic Phys Div Meeting** Minneapolis, Minnesota 5/80
- 3-12 **Grenoble-Varenna Int Symp on Heating in Toroidal Plasmas** Como, Italy 9/79
- 3-13 **3rd Adriatic Meeting on Particle Phys: Recent Developments in Strong Interaction Phys** Dubrovnik, Yugoslavia 5/80
- 4-5 **J. M. Robertson Symp** Glasgow, UK 5/80
- 6-11 **2nd Japanese-Soviet Symp on Ferroelectricity** Kyoto, Japan 5/80
- 7-12 **7th Annual Meeting of the Fed of Analytical Chem and Spectroscopy Soc** Philadelphia, Pa. 1/80
- 7-13 **Int Symp on Macromolecules** Florence, Italy 5/80
- 7-13 **Theory of Magnetic Alloys** Blazewko, Poland 5/80
- 8-11 **6th Int Conf on Gas Discharges and their Applications** Edinburgh, UK 5/80
- 8-11 **Conf on Phys of Dielectric Solids** Canterbury, UK 11/79
- 8-12 **7th Symp on Microdosimetry** Oxford, UK 5/80
- 8-12 **2nd Int Meeting on Small Particles and Inorganic Clusters** Lausanne, Switzerland 9/79
- 8-12 **2nd IAU Colloquium on Reference Coordinate Systems for Earth Dynamics** Warsaw, Poland 5/80
- 8-12 **3rd Int Symp on Gas Flow and Chemical Lasers** Marseilles, France 1/80
- 9-12 **Int Symp on Flow Visualization** Bochum, Fed. Rep. Germany 11/79
- 9-12 **Europhys Conf on Computing in High Energy and Nuclear Phys** Bologna, Italy 9/79
- 9-12 **9th Symp IMEKO Tech Comm on Photo-Detectors** Budapest, Hungary 5/80
- 10-12 **Optics '80** Manchester, UK 11/79
- 10-12 **Int Conf on Vibrations at Surfaces** Namur, Belgium 5/80
- 10-16 **6th Int Conf on Crystal Growth** Moscow, USSR (P. P. Fedorov, ICCG-6, Inst. of Crystallography, USSR Acad. of Sci., Leninskij Prospekt 59, Moscow 117333, USSR) [2/1/80]
- 10-19 **Czechoslovakia-Polish Conf on Optics** Krpacova, Czechoslovakia 5/80
- 11-21 **High Energy Phys** Maria Laach, Fed. Rep. Germany 9/79
- 14-17 **1980 Advances in Reactor Phys & Shielding** Sun Valley, Idaho 5/80
- 15-19 **5th Nat Soviet Conf on Neutron Phys** Kiev, USSR 5/80
- 15-19 **Effects of Mass Loss on Stellar Evolution** Trieste, Italy 5/80
- 15-19 **3rd Int Meeting on Solid Electrolytes** Tokyo, Japan 11/79

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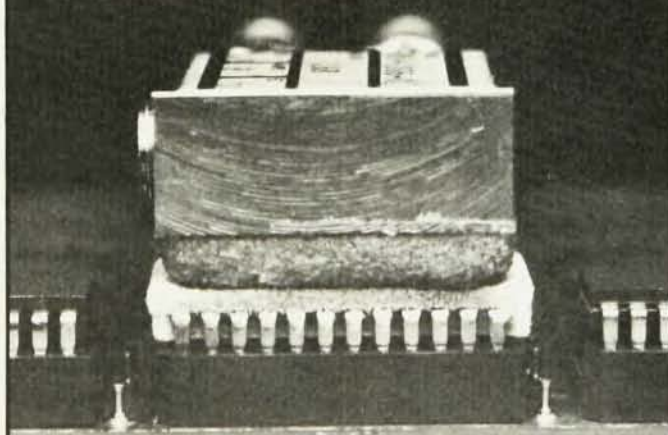
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- 15-19 **10th Eur Solid State Device Res Conf/5th Symp on Solid State Device Tech** York, UK 9/79
- 15-19 **11th Symp on Fusion Tech** Oxford, UK 1/80
- 16-19 **9th Int Symp on Discharges and Electrical Insulation in Vacuum** Eindhoven, The Netherlands 1/80
- 16-19 **14th ESLAB Symp: Phys of Solar Variations** Scheveningen, The Netherlands 5/80
- 22-24 → **Nat Conf of Standards Laboratories [NBS]** Gaithersburg, Md. Brian Belanger, B-362 Phys. Bldg., NBS, Washington, D.C. 20234
- 22-26 **Hadron Structure '80: QCD—Theory and Experiment** Smolenice, Czechoslovakia 5/80
- 22-26 **3rd Symp on Elementary Processes and Chem Reactions in Low Temperature Plasma** Krpavica, Czechoslovakia 5/80
- 22-26 **8th Int Vacuum Congress, 4th Int Conf on Solid Surfaces/3rd Eur Conf On Surface Science/5th Nat Colloquium on Phys and Chem of Solid Surfaces** Cannes, France 9/79
- 23-25 **1980 Eur Conf on Optical Systems and Applications** Utrecht, The Netherlands 5/80
- 23-26 **Wrkshp on the Phys of Electroluminescence** Liège, Belgium 5/80
- 23-26 **Conf on Nuclear Phys Methods in Material Research** Darmstadt, Fed. Rep. Germany 5/80
- 24-26 → **10th Conf on Applied Crystallography** Kozubnik, Poland (Halina Habla, Instytut Fizyki i Chemii Metali, Uniwersytet Slaski, ul. Bankowa 12, 40-007 Katowice, Poland)
- 24-26 **Int Conf on Ternary Superconductors** Lake Geneva, Wisc. 5/80
- 25-1 **Int Symp: High Energy Phys with Polarized Beams and Polarized Targets** Lausanne, Switzerland 5/80
- 26-27 → **Conf on Classroom Applications of Computers in Grades K-12** [Cal. Sci. Teachers Assn.] San Jose, Cal. (Computer-Using Educators, c/o W. Don McKell, Independence H.S., 1776 Educational Park Dr. San Jose, Cal. 95133)
- 26-30 → **1st Int Symp on the Phys and Chem of II-V Compounds** Mogilany, Poland (W. Zdanowicz, Inst. of Solid State Phys., Polish Acad. of Sci., Kawakca 3, PL-41-800 Zabrze, Poland) [5/31/80]
- 29-2 **Applied Superconductivity Conf** Santa Fe, N.M. 9/79
- 30-1 **12th Annual Symp on Optical Materials for High Power Lasers** Boulder, Colorado 5/80
- 30-2 **DESY Wrkshp on Flavor Dynamics** Hamburg, Fed. Rep. Germany 5/80
- 30-2 **Fuel Cycles for the 80's** Gatlinburg, Tenn 5/80
- 30-3 **3rd Int Conf on Ferrites** Kyoto, Japan 3/80

OCTOBER 1980

- 1-2 **Symp on Fiber Microscopy and Spectroscopy** Rockville, Md. 9/79

- 5-9 **Symp on Interatomic Potentials and Computer Simulation of Defects in Metals** Pittsburgh, Pa. 1/80
- 5-10 **Meeting of the Electrochemical Soc** Hollywood, Florida 5/80
- 6-9 **10th Int Laser Radar Conf** Silver Spring, Maryland 5/80
- 6-10 **5th Int Conf on Infrared and Millimeter Waves** Würzburg, Fed. Rep. Germany 9/79
- 6-10 **Wrkshp on Acceleration of Particles by Shock Waves throughout Interplanetary and Interstellar Space** Lindau/Harz, Fed. Rep. Germany 5/80
- 6-10 **5th Int Conf on Small-Angle Scattering** West Berlin, Fed. Rep. Germany 5/80
- 7-9 **Electromagnetic Compatibility Symp** Baltimore, Md. 9/79
- 7-9 → **Materials for Coal Conversion and Utilization [NBS; DOE]** Gaithersburg, Md. (Samuel J. Schneider, B-308, Materials Bldg., NBS, Washington, D.C. 20234)
- 7-10 → **Int Radiopharmaceutical Dosimetry Symp** Oak Ridge, Tennessee (Roger J. Cloutier, Radiopharmaceutical Dosimetry Symp. Planning Committee, Oak Ridge Associated U., PO Box 117, Oak Ridge, Tenn. 37830) [6/28/80]
- 9-11 **Meeting of APS Nuclear Phys Div** Minneapolis, Minn. 9/79
- 12-16 **10th Int Symp on Acoustic Imaging** Cannes, France 11/79
- 13-15 **Symp on Transition and Turbulence** Madison, Wisc. 11/79
- 13-17 **OSA Annual Meeting** Chicago, Ill. 11/79
- 14-17 → **Tech of Controlled Nuclear Fusion** King of Prussia, Pa. (R. G. Mills, Plasma Phys. Lab., Princeton U., PO Box 451, Princeton, N. J. 08544) [1/1/80]
- 14-17 **Vacuum Symp** Detroit, Mich. 9/79
- 14-18 **AAS Planetary Sci Div Meeting** Tucson, Arizona 1/80
- 19-24 → **1980 Flywheel Tech Symp [DOE; Lawrence Livermore Lab.]** Tamaron near Durango (Thomas M. Barlow, Mail Code L-388, Lawrence Livermore Lab., PO Box 808, Livermore, Cal. 94550) [1/28/80]
- 20-21 → **13th Annual Synchrotron Radiation Users Group Meeting** Madison, Wisconsin (Ednor M. Rowe, Dir., Synch. Rad. Ctr. Phys. Sci. Lab., U. Wisconsin, Madison, PO Box 6, Stoughton, Wisc. 53589)
- 20-24 → **Symp on Current Nuclear Power Plant Safety Issues [IAEA]** Stockholm, Sweden (John H. Kane, Int. Technical Conf. Specialist, Office of Resource Applications, Dept. of Energy, Washington, D.C. 20545 [4/1/80])
- 22-24 → **Aerosols in Sci, Medicine and Tech—Phys and Chem Properties of Aerosols** [Assn. for Aerosol Res.] Mainz, Fed. Rep. Germany (R. Jaenicke, Ges. f. Aerosolforschung, Max-Planck-Institut f. Chemie, Sec. Airchemistry, PO Box 3060 D-6500 Mainz, Fed. Rep. Germany)
- 23-24 → **7th Annual Stanford Synchrotron Radiation Lab Users Group Meeting** Stanford, California (C. Ray

Dannemiller, Conf. Coord., SSRL, SLAC Bin 69, PO Box 4349, Stanford, Cal. 94305)

- 26-29 → **10th North Amer Thermal Analysis Soc Meeting** Boston, Mass. (Robert C. Johnson, DuPont Central R & D Dept., Exp. Sta. Bldg. 228, Wilmington, Del 19898 [3/30/80])
- 27-28 → **14th LAMPF Users Group Meeting** Los Alamos, New Mexico (D. R. F. Cochran, MS 830, Liaison Officer, LAMPF Users Group, Inc., Los Alamos Sci. Lab. PO Box 1663, Los Alamos, New Mexico 87545)
- 27-31 → **Int Symp on Bio-medical Dosimetry: Phys Aspects, Instrumentation, Calibration** Paris, France (IAEA, PO Box 100, Vienna Int. Center, A-1400 Vienna, Austria)

NOVEMBER 1980

- 3-5 → **6th Conf on the Application of Accelerators in Res and Industry** Denton, Texas (Jerome L. Duggan, Phys. Dept., North Texas State U., Denton, Texas 76203) [7/1/80]
- 5-7 • **Nuclear Sci Symp** [Oak Ridge Nat. Lab.; DOE; NASA; NBS] Orlando, Florida (John A. Martin, Oak Ridge Nat. Lab., PO Box X, Bldg. 6000, Oak Ridge, Tenn. 37830)
- 5-7 **Ultrasonics Symp** Boston, Mass. 9/79
- 10-12 → **Topical Meeting on Spectroscopy in Support of Atmospheric Measurements [OSA; NASA; Fed. Aviation Agency]** Sarasota, Florida (OSA, Atmos. Measurements Meeting, 1816 Jefferson Pl., NW, Washington, D.C. 20036) [8/1/80]
- 10-14 → **6th Int Symp on Packaging & Transportation of Radioactive Materials [ANS]** Berlin, Fed. Rep. Germany (R. Neider, BAM, Unter den Eiken 87, D-1000 Berlin 45, Fed. Rep. Germany)
- 10-14 **Meeting of APS Plasma Phys Div** San Diego, Cal. 9/79
- 11-14 **Magnetism and Magnetic Materials Conf** Dallas, Texas 9/79
- 16-21 **ANS Winter Meeting** Washington, D.C. 9/79
- 17-21 **ASA Meeting** Los Angeles, Cal. 9/79
- 17-21 → **Materials Res Soc Annual Meeting** Boston, Massachusetts (MRS Sec., 102C Materials Res. Lab., University Park, Pa. 16802)
- 24-26 **Meeting of APS Fluid Dynamics Div** Blacksburg, Va. 11/79
- 25-28 → **Wrkshp: From Collective States to Quarks in Nuclei** Bologna, Italy (Anna Maria Sarvis, Nuclear Phys. Wrkshp., CNEN, Centro Studi e Ricerche "E. Clementel," Via Mazzini 2, 40138, Bologna, Italy)

DECEMBER 1980

- 1-3 **Meeting of APS Electron & Atomic Phys Div** Los Angeles, Cal. 9/79
- 1-3 → **Topical Meeting on Infrared Lasers [OSA; IEEE; DOE; NSF; ONR]**

Lubbock, Texas (OSA, IR Laser Meeting, 1816 Jefferson Pl, NW Washington, D.C. 20036) [9/1/80]

- 1-4 **Atomic and Nuclear Methods in Fossil Energy Res** Mayaguez, Puerto Rico 11/79
- 2-4 **12th Annual Precise Time and Time Interval Applications and Planning Meeting** [NASA; NRL; Naval Electronic Systems Com.; Naval Observ.; Def. Communications Agency] Greenbelt, Maryland (Andrew C. Johnson, US Naval Observatory, Washington, D.C. 20390) [9/3/80]
- 8-12 **AGU Fall Meeting** San Francisco, Cal. 11/79
- 14-19 **Lasers '80**, [Soc. for Optical & Quantum Electronics] New Orleans, Louisiana (Soc. For Optical & Quantum Electronics, PO Box 245, McLean, Va. 22101) [7/1/80]
- 15-19 **Seminar on Selection and Implementation of Safety Standards for Nuclear Power Plants** [IAEA; Int. Org. for Standardization] Vienna, Austria (John H. Kane, Int. Technical Conf. Specialist, Int. Affairs, MS A1-5216, Dept. of Energy, Washington, D.C. 20545) [8/11/80]

JANUARY 1981

- 5-7 **18th Annual Solid State Phys Conf** [IOP] York, UK (Meetings Officer, IOP, 47 Belgrave Sq., London SW1X 8QX UK) [10/1/80]
- 11-14 **AAS Gen Meeting** Albuquerque, N.M. (Peter B. Boyce, AAS, 1816 Jefferson Place, NW, Washington, DC 20036)
- 21-25 **Liquid Crystals of One- and Two-Dimensional Order and their Applications** Garmisch-Partenkirchen, Fed. Rep. Germany 9/79
- 26-29 **APS/AAPT Annual Joint Meeting** New York, N.Y. 11/79

FEBRUARY 1981

- 22-26 **52nd S of R Annual Meeting** Williamsburg, Virginia (Costel D. Denson, U. Delaware, Dept. of Chem. Engineering, Newark, Delaware 19711)

MARCH 1981

- 8-14 **High Energy (Multiparticle) Hadron Phys** Erice, Italy (R.T. Van de Walle, Phys. Lab., U. Nijmegen, Toernooiveld, NL 6525 ED Nijmegen, Netherlands)
- 11-13 **Particle Accelerator Conf** Washington, D.C. 11/79
- 16-20 **APS Gen Meeting** Phoenix, Ariz. 11/79
- 22-27 **ACA Meeting** College Station, Texas (Abe Clearfield, Dept. of Chem., Texas A&M U., College Station, Texas 77843) [1/1/81]
- 30-3 **7th Int Conf on Magnet Tech** Karlsruhe, Fed. Rep. Germany (E. W. Seibt, Karlsruhe Nuclear Res.

Center, Inst. of Technical Phys., PO Box 3640, D-7500 Karlsruhe 1, Fed. Rep. Germany) [11/1/80]

APRIL 1981

- 6-8 **Conf on Particle Phys and Nuclear Structure** Oxford, UK (N. Jelley, U. Oxford, Dept. of Nuclear Phys., Nuclear Phys. Lab., Keble Road, Oxford, OX1-3RH UK)
- 6-10 **6th Int Symp on Noise in Phys Systems** [NBS; Catholic U.] Gaithersburg, Md. (R. D. Mountain, A-311 Phys. Bldg., NBS, Washington, D.C. 20234)
- 6-10 **Eur Conf on Atomic Phys** Heidelberg, Fed. Rep. Germany (G. zu Putlitz, Physikalisches Institut der Universität, Philosophenweg 12, D-6900 Heidelberg 1, Fed. Rep. Germany)
- 7-10 **Los Alamos Conf on Optics '81** [Los Alamos Sci. Lab.] Santa Fe, New Mexico (Chairman, Los Alamos Conf. on Optics '81, Los Alamos Sci. Lab., E-10, MS 430, PO Box 1663, Los Alamos, N.M. 87545) [12/1/80]
- 7-10 **Europhys Conf on Macromolecular Phys** Leeds, UK (G. R. Davies, Dept. of Phys., U. Leeds, Leeds, LS2 9JT, UK)
- 14-16 **3rd Int Conf on Integrated Optics and Optical Fiber Communication** San Francisco, Cal. 11/79
- 20-23 **APS Gen Meeting** Baltimore, Md. 11/79
- 27-29 **Conf on Insulating Films on Semiconductors** Erlangen, Fed. Rep. Germany (M. Schulz, Lehrstuhl f. angew. Physik, Universität Erlangen-Nürnberg, Glückstr. 9, D-8520 Erlangen, Fed. Rep. Germany)

MAY 1981

- 11-15 **INTERMAG** Grenoble, France (D. Randet, CEN, B. P. No. 85, Centre de Tri, F-38041 Grenoble Cedex France)
- 18-20 **Int Conf on Plasma Sci** Santa Fe, New Mexico (S. J. Gitomer, Los Alamos Sci. Lab., Los Alamos, N. M. 87545)
- 18-21 **ASA Gen Meeting** Ottawa, Canada 11/79
- 25-29 **Europhys Study Conf on Internal Reorientation in Solids** Poznan, Poland (Z. Pajak, Inst. of Phys. Grunwaldzka 6, PL-60780, Poznan, Poland)
- 25-29 **AGU Spring Meeting** Baltimore, Md. (Meetings, AGU, 2000 Florida Ave., NW, Washington, D.C. 20009)
- 27-28 **Princeton U Plasma Phys Lab Info Meeting** Princeton, New Jersey (E. Tanner, Princeton U., Plasma Phys. Lab., Princeton, New Jersey 08544)

JUNE 1981

- 1-5 **8th Int Symp on Molecular Beams** Cannes, France (F. M. Devienne, Laboratoire de Physique

Moléculaire des Hautes Energies, B.P. 2., F-06530, Peymeinade, France)

- 7-12 **ANS Annual Meeting** Miami, Florida (Nils Dias, Nuclear Sci. Center, U. Florida, Gainesville, Florida 32611)
- 8-11 **2nd Int Conf on Solid Films and Surfaces** College Park, Maryland (2nd Int Conf. on Solid Films and Surfaces, R. L. Park, Co-Chairman, Dept. of Phys and Astro., U. Maryland, College Park, Maryland 20742)
- 8-12 **2nd Int Conf on Precision Measurement and Fundamental Constants** [NBS; IUPAP] Gaithersburg, Md. (Barry N. Taylor, NBS, Bldg. 220, Rm. B258, Washington, D.C. 20234)
- 10-12 **5th Symp on X- and Gamma-Ray Sources and Applications** Ann Arbor, Michigan (Cathy Lehman, Symposium Sec., Phoenix Memorial Lab., U. Michigan, Ann Arbor, Michigan 48109) [1/26/81]
- 15-17 **Int Microwave Symp** Los Angeles, Cal. 11/79
- 15-18 **Annual Congress of the Canadian Association of Phys** Halifax, Canada (Dept. of Phys., Dalhousie U., Halifax, Nova Scotia, Canada)
- 15-19 **8th Symp of Thermophysical Properties** [American Soc. of Mechanical Engineers; NBS] Gaithersburg, Md. (J. V. Sengers, Inst. for Phys. Sci. and Tech., U. Maryland, College Park, Md. 20742)
- 28-1 **AAS Gen Meeting** Calgary, Canada (Peter B. Boyce, AAS, 1816 Jefferson Pl., NW, Suite 603, Washington, D.C. 20036)

JULY 1981

- 6-9 **Int Conf on Internal Friction and Ultrasonic Attenuation in Solids** Lausanne, Switzerland (W. Benoit, Laboratoire de Génie Atomique, EPF-Lausanne, 33, av de Cour, CH-1007 Lausanne, Switzerland) [10/31/80]
- 6-10 **9th Int Conf on High Energy Phys and Nuclear Structure** Versailles, France (Philippe Catillon, 9-ICOHEPANS, B.P.N^o2, 91190 Gif-sur-Yvette, France)
- 14-18 **15th Int Conf on Phenomena in Ionized Gases** Minsk, USSR (Organizing Committee ICPIG XV, Inst. of Phys. BSSR Acad. of Sci., Leningradskii Prospekt 70, Minsk, USSR) [2/1/81]
- 25-28 **7th Int Conf on Conduction and Breakdown in Dielectric Liquids** West Berlin, Fed. Rep. Germany (W. F. Schmidt, Chmn. 7. ICDL. c/o Bereich Strahlenchemie, Hahn-Meitner-Institut für Kernforschung Berlin, D-1000, Berlin 39, Fed. Rep. Germany) [11/30/80]

AUGUST 1981

- 3-7 **Symp on Extragalactic Radio Sources** [IAU] Albuquerque, New Mexico (K. I. Kellerman, NRAO, PO Box 3, Green Bank, West Virginia 24944) □