

calendar

SEPTEMBER 1979

- 13-14 • **Symp on the History of the ZGS** Argonne, Ill. (Beverly Marzec, Bldg 360, Argonne Nat. Lab., Argonne, Ill. 60439)
- 13-19 **16th Int Conf on Electromagnetic and Lepton Interaction** Batavia, Ill. 7/79
- 13-19 **Int Conf on Radiation Effects in Semiconductors** Tbilissi, USSR 7/79
- 15-22 **Quantum Dynamics of Molecules** Cambridge, UK 7/79
- 16-20 **Decontamination & Decommissioning of Nuclear Facilities** Sun Valley, Idaho 3/79
- 17-19 **Optical Communication Conf** Amsterdam, The Netherlands 3/79
- 17-19 • **Photovoltaic Advanced R&D Annual Review Meeting** [Solar Energy Res. Inst.] Denver, Colo. (Vicky Curry, Conf. Coord., SERI, 1536 Cole Blvd., Golden, Colo. 80401)
- 17-20 **Symp: Lepton and Hadron Interactions** Visegrád, Hungary 7/79
- 17-21 **6th Colloq on High Resolution Molecular Spectroscopy** Tours, France 3/79
- 17-21 **26th Int Symp on Macromolecules** Mainz, Fed. Rep. Germany 1/79

- 17-21 **4th Colloque Spécialisé Ampère: Dynamic Processes in Molecular Systems as Studied by RF-Spectroscopy** Leipzig, German Dem. Rep. 1/79
- 17-21 **3rd Europhys Topical Conf on Lattice Defects in Ionic Crystals** Canterbury, UK 1/79
- 17-21 **9th Eur Conf on Controlled Fusion and Plasma Phys** Oxford, UK 1/79
- 17-22 **Colloq on the Phys of Dense Matter** Paris, France 3/79
- 18-21 **5th Eur Solid State Circuits Conf** Southampton, UK 5/79
- 18-21 **6th Int Conf on Atomic Masses** East Lansing, Mich. 1/79
- 19-21 **2nd Int Conf on Integrated Optics and Optical Communication** Amsterdam, The Netherlands 3/79
- 19-21 **4th Nat Quantum Electronics Conf** Edinburgh, Scotland 11/78
- 20-23 **5th Spanish Vacuum Meeting** Barcelona, Spain 1/79
- 21-27 **3rd Eur Surface Science Conf** Cannes, France 7/79
- 23-28 **9th Eur Conf on the Chem and Phys of Complex Nuclear Reactions** Engelberg, Switzerland 7/79

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

Please Note: follow-up listings give italicized reference date specifying *Physics Today* issue in which further information can be found.

Abbreviations:

AAPM	American Association of Physicists in Medicine	DOE	Department of Energy
AAPT	American Association of Physics Teachers	DPG	Deutsche Physikalische Gesellschaft
AAS	American Astronomical Society	EPS	European Physical Society
ACA	American Crystallographic Association	IAEA	International Atomic Energy Agency
APS	American Physical Society	IAU	International Astronomical Union
ASA	Acoustical Society of America	IEEE	Institute of Electrical and Electronics Engineers
AVS	American Vacuum Society	IOP	The Institute of Physics
OSA	Optical Society of America	IUPAP	International Union of Pure and Applied Physics
SPS	Society of Physics Students	NAS	National Academy of Sciences
S of R	Society of Rheology	NBS	National Bureau of Standards
AAAS	American Association for the Advancement of Science	NRC	Nuclear Regulatory Commission
AGU	American Geophysical Union	NRL	Naval Research Laboratory
ANS	American Nuclear Society	NSF	National Science Foundation
ASTM	American Society for Testing and Materials	ONR	Office of Naval Research
		SFP	Société Française de Physique
		SIF	Società Italiana di Fisica

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

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PHYSICS TODAY / SEPTEMBER 1979

- 23-29 • **15th Int Congress of Refrigeration** Venice, Italy (15th Int. Congress of Refrigeration, Org. and Sci. Committee, c/o Laboratorio per la Tecnica del Freddo, PO Box 1075-I-35100, Padova, Italy)
- 24-27 **Non-Traditional Approaches to the Solid-Electrolyte Interface** Snowmass, Colo. 1/79
- 24-28 **Joint Meeting of the DPG, the Austrian and Swiss Phys Soc** Ulm, Fed. Rep. Germany 5/79
- 24-28 **Symp on Fast Reactor Phys** Aix-en-Provence, France 9/78
- 25-26 **Meeting of the British Radiofrequency Spectroscopy Group** Nottingham, UK 1/79
- 25-27 **Organisation of Macromolecules in Condensed Phases** Cambridge, UK 1/79
- 25-27 **Military Electronics Defense Expo '79** Wiesbaden, Fed. Rep. Germany 5/79
- 25-29 **10th Int Symp on Multiparticle Dynamics** Fort Aguada Beach, India 7/79
- 26-28 **Ultrasonics Symp** New Orleans, La. 7/79
- 27-28 • **Supergravity Wrkshp** Stony Brook, N.Y. (M. Reilly, Inst. for Theoretical Phys., SUNY, Stony Brook, N.Y. 11794)

OCTOBER 1979

- 1-3 **World Conf of the Nuclear Target Devel Soc** Boston, Mass. 5/79
- 1-5 **Europhys Study Conf on Statistical Properties of Nuclei** Hvar, Yugoslavia 7/79
- 2-5 **Vacuum Symp** New York, N.Y. 5/79
- 3-5 **7th Conf of the Assoc for Aerosol Res** Duesseldorf, Fed. Rep. Germany 7/79
- 4-6 • **Laser Induced Nucleation in Solids** Masnuy—St. Jean, Belgium (L. D. Laude, Faculté des Sciences, Univ. de l'Etat, 23, ave. Mastriau, B-7000 Mons, Belgium)
- 6-10 **Engrng in Medicine and Biology** Denver, Colo. 11/78
- 7-11 **Joint Power Generation Conf** Charlotte, N.C. 5/79
- 8-10 **Int Conf on Cybernetics and Society** 5/79
- 8-10 **6th Biennial Symp on Turbulence** Rolla, Mo. 7/79
- 8-10 • **DESY Wrkshp: Quarks, Jets and QCD** Hamburg, Fed. Rep. Germany (Hans Joos, DESY, Notkestieg 1, D-2000 Hamburg 52, Fed. Rep. Germany)
- 8-10 **Session on Phys Systems Science** Denver, Colo. 5/79
- 8-11 **Int Conf on Impurity Bands in Semi-**

- conductors Würzburg, Fed. Rep. Germany 7/79
- 8-12 **Joint Meeting of OSA and SPS Zone 2** Rochester, N.Y. 7/79
- 9-11 **Progress & Problems in Radio-Element Analysis** Gatlinburg, Tenn. 5/79
- 9-12 **32nd Gaseous Electronics Conf** Pittsburgh, Pa. 7/79
- 14-17 **Electronic and Aerospace Systems Convention** Washington, D.C. 5/79
- 16-17 **Quantitative Surface Analysis** Teddington, UK 7/79
- 16-19 **Conf on the Ancient Sun: Fossil Record in the Earth, Moon and Meteorites** Boulder, Colo. 7/79
- 16-19 **21st Nat Congress of the Italian Radiation Protection Assoc** Palermo, Italy 7/79
- 17-19 • **Nuclear Science Symp** [IEEE; DOE; NASA; NBS] San Francisco, Cal. (W. K. Dawson, Nuclear Res. Center, Univ. of Alberta, Edmonton, Alb. T6G 2N5, Canada)
- 18-20 **APS Nuclear Phys Div Meeting** Knoxville, Tenn. 11/78
- 21-25 **Conf on Elec Insulation and Dielectric Phenomena** Whitehaven, Pa. 5/79
- 22-23 **12th Annual Synch Rad Users Group Meeting** Madison, Wisc. 5/79
- 22-24 **Toxicology of Respirable Particles** Richland, Wash. 5/79

SHORT COURSES AND SCHOOLS

Surface Analysis

15-16 September [Soc. for Applied Spectroscopy] Philadelphia, Pa (R. Barnes, Chem., GRC Tower I, Univ. of Mass., Amherst, Mass. 01003)

Atomic Emission Spectroscopy

15-16 September [Soc. for Applied Spectroscopy] Philadelphia, Pa (R. Barnes, Chem., GRC Tower I, Univ. of Mass., Amherst, Mass. 01003)

Fourier Transform Spectroscopy

15-16 September [Soc. for Applied Spectroscopy] Philadelphia, Pa (R. Barnes, Chem., GRC Tower I, Univ. of Mass., Amherst, Mass. 01003)

Atomic Absorption Spectroscopy

15-16 September [Soc. for Applied Spectroscopy] Philadelphia, Pa (R. Barnes, Chem., GRC Tower I, Univ. of Mass., Amherst, Mass. 01003)

Deposition Tech and Applications

17-21 September [UCLA] Los Angeles, Cal. (Continuing Educ. in Engrng. and Math., UCLA Extension, PO Box 24902, Los Angeles, Cal. 90024)

Applications of Intense Charged-Particle Beams

1-4 October [G. Washington Univ.] Washington, D.C. (J. E. Mansfield, Director, Continuing Engrng. Educ. Prog. G. Washington Univ., Washington, D.C. 20052)

Polymer-Polymer Composites

10-12 October [SUNY] New Paltz, N.Y.

(Angelos V. Patsis, Chairman, Dept. of Chem., SUNY, New Paltz, N.Y. 12562)

Digital Image Processing of Earth Observation Sensor Data

15-19 October [G. Washington Univ.] Washington, D.C. (J. E. Mansfield, Director, Continuing Engrng. Educ. Prog., G. Washington Univ., Washington, D.C. 20052)

Scanning Electron Microscopy and X-ray Microanalysis

15-19 October [SUNY] New Paltz, N.Y. (Angelos V. Patsis, Chairman, Dept. of Chem., SUNY, New Paltz, N.Y. 12562)

Fundamentals of Adhesion

22-24 October [SUNY] New Paltz, N.Y. (Angelos V. Patsis, Chairman, Dept. of Chem., SUNY, New Paltz, N.Y. 12562)

Remote Sensing and Digital Info Extraction

22-26 October [G. Washington Univ.] Washington, D.C. (J. E. Mansfield, Director, Continuing Engrng. Educ. Prog., G. Washington Univ., Washington, D.C. 20052)

Instrumental Methods in Polymer Melts and Solution Rheology

27-28 October [S of R] Boston, Mass. (Donald Hunston, Naval Res. Lab., Code 6120, D.C. 20375)

Radar Systems and Tech

29 October-2 November [G. Washington Univ.] Washington, D.C. (J. E. Mansfield, Director, Continuing Engrng. Educ. Prog., G.

Washington Univ., Washington, D.C. 20052)

Probabilistic and Statistical Methods in Mech and Structural Design

7-11 January 1980 [Univ. of Ariz.] Tucson, Ariz. (Paul H. Wirsching, Univ. of Ariz., College of Engrng., Tucson, Ariz. 85721)

Optical Sci and Engrng

7-18 January 1980 Tucson, Ariz. (Philip N. Slater, Optical Systems & Engrng. Short Courses, Inc., PO Box 18667, Tucson, Ariz. 85731)

Medical Physics

21-22 January 1980 [AAPM, AAPT] Chicago, Ill. (Russell K. Hobbie, Univ. of Minn., 103 Space Sci. Center, 100 Union St. SE, Minneapolis, Minn. 55455)

Recent Developments in the Theory of Fundamental Interactions

18 February-1 March 1980 Karpacz, Poland (L. Rytel, Inst. of Theoretical Phys., Univ. of Wroclaw, Cybulskiego 36, Wroclaw, Poland)

Nuclear Physics

20 February-1 March 1980 Schladming, Austria (H. Mitter, Org. Committee, Inst. für Theoretische Physik, Universitätsplatz 5, A-8010 Graz, Austria)

Phys of Polymers, Liquid Crystals and Low-Dimensional Solids

9 April-20 June 1980 Trieste, Italy (Dep. Dir., Int. Centre for Theoretical Phys., PO Box 586, I-34100 Trieste, Italy)

- 22-26 • **2nd Int Conf on Energy Use Management** [Dept. of Energy; Alliance to Save Energy; Univ. of Arizona; Univ. of California, Los Angeles.] Los Angeles, Cal. (Craig B. Smith, PO Box 64369, Los Angeles, Cal. 90064)
- 22-26 **Nuclear Cross Sections for Tech** Knoxville, Tenn. 5/79
- 23-25 **Ocean Optics VI** Monterey, Cal. 7/79
- 24-27 **AAS Div of Planetary Sciences Meeting** St. Louis, Mo. 5/79
- 25-26 **Stanford Synch Rad Lab Users Group Meeting** Stanford, Cal. 5/79
- 25-27 **APS Div of Particles and Fields** Montreal, Canada 7/79
- 28-31 **10th Yugoslav Symp on Biophys: Membrane Biophys** Radenci, Yugoslavia 7/79
- 28-1 **S of R 50th Anniv Meeting** Boston, Ma. 1/79
- 29-30 **13th LAMPF Users Group Meeting** Los Alamos, N.M. 5/79
- 29-3 **Int Congress of Quantum Chemistry** Kyoto, Japan 7/79
- 30-31 **11th Annual Symp on Optical Materials for High Power Lasers** Boulder, Colo. 5/79
- 30-2 **Separation Sci and Tech for Energy Applications** Gatlinburg, Tenn. 5/79
- 31-3 **Inhomogeneous Superconductors** Berkeley Springs, W. Va. 7/79

NOVEMBER 1979

- 2-3 • **Symp on the Implications of Our Failure to Observe Extraterrestrials** College Park, Md. (Michael H. Hart, Phys. Dept., Trinity Univ., San Antonio, Texas 78284)
- 5-7 • **Optical Fabrication and Technology Wrkshp** [OSA] Tucson, Ariz. (Barbara Hicks, OSA, 2000 L St., NW, Washington, D.C. 20036)
- 5-9 • **5th RPI Laser Wrkshp on Laser Fusion and Related Plasma Phenomena** Rochester, N.Y. (Barukh Yaakobi, Lab. for Laser Energetics, Univ. of Rochester, 250 East River Rd., Rochester, N.Y. 14623)
- 7-9 • **Tech Meeting: Chem and Phys Processes in Combustion** [The Combustion Inst.] Atlanta, Ga. (Gerard M. Faeth, Pa. State Univ., 214 Mech. Engrng. Bldg., University Park, Pa. 16802) [8/15/79]
- 7-9 • **16th Int Thermal Conductivity Conf/7th Int Thermal Expansion Symp** [Center for Information and Numerical Data Analysis and Synthesis, Purdue Univ.] Chicago, Ill. (David C. Larsen ITCC/ITES Gen. Chairman, Mech. of Materials Div., IIT Res. Inst. 10 W. 35th St., Chicago, Ill. 60616)
- 8-10 **Albert Einstein as an Intercultural and Interdisciplinary Phenomenon: His Influence in All Fields of Thought** Hempstead, N.Y. 5/79
- 11-16 **ANS Winter Meeting** San Francisco, Cal. 11/78
- 12-14 • **Soc for Industrial and Applied Math Fall Meeting** Denver, Colo. (H. B. Hair, SIAM, 33 South 17th St., Philadelphia, Pa. 19103) [7/23/79]
- 12-15 **Int Conf on Crystalline Electric Fields & Structural Effects in f-Electron Systems** Philadelphia, Pa. 5/79
- 12-16 **APS Plasma Phys Div Meeting** Boston, Mass. 11/78

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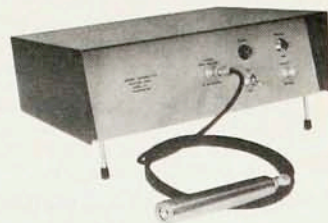
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- 13-16 **Engrng Problems of Fusion Res** San Francisco, Cal. 5/79
- 14-15 **Symp on Fibers and Electrostatics in Filtration** Princeton, N.J. 5/79
- 14-16 **Micro & Mini Computer Conf** Houston, Texas 5/79
- 15-16 • **37th Annual Pittsburgh Diffraction Conf** West Lafayette, Ind. (37th Annual Pittsburgh Diffraction Conf., Dept. of Biol. Sci., Purdue Univ., West Lafayette, Ind. 47907)
- 15-17 **Present Needs and Future Trends in Neutron Crystallography and Spectroscopy** Argonne, Ill. 1/79
- 16-17 **18th Eastern Theoretical Phys Conf** College Park, Md. 9/78
- 18-23 **9th World Conf on Nondestructive Testing** Melbourne, Australia 5/79
- 19-21 **APS Fluid Dynamics Div Meeting** West Lafayette, Ind. 11/78
- 19-23 **2nd Asian Congress on Radiation Protection** Manila, Philippines 5/79
- 20-23 **3rd Int Seminar on Magnetism** Dresden, German Dem. Rep. 7/79
- 24-28 **2nd Asia and Oceania Congress of Nuclear Medicine** Manila, Philippines 5/79
- 25-30 **Joint Meeting of AAPM with Radiological Society of North America** Atlanta, Ga. 5/79
- 26-28 • **Topical Symp on Non-Ionizing Radiation** [Amer. Conf. of Governmental Industrial Hygienists] Washington, D.C. (William D. Kelley, Exec. Sec., ACGIH, PO Box 1937, Cincinnati, Ohio 45201)
- 26-28 **Nat Telecommunications Conf** Washington, D.C. 5/79
- 26-28 **Phys of Semiconductor Surfaces and Interfaces** Paris, France 5/79
- 26-29 **Measurement Tech for Safeguards and Materials Control Conf** Kiawah Island, S.C. 1/79
- 26-30 **Annual Meeting of Materials Res Soc** Cambridge, Mass. 7/79
- 26-30 **ASA Fall Meeting** Salt Lake City, Utah 9/78
- 26-1 **Int Magnetospheric Study Symp** Bundoora, Australia 1/79
- 27-29 • **11th Annual Precise Time and Time Interval Application and Planning Meeting** [NASA; Naval Observatory; NRL; Naval Elec. Sys. Command; Defense Communication Agency] Greenbelt, Md. (Arthur McCoubrey, Chairman, Technical Committee, Bldg. 221, Rm. A363, Nat. Bur. of Standards, Washington, D.C. 20234)
- 30-1 • **Conf on Color, Flavor and Unification** Irvine, Cal. (G. Shaw, Conf. Sec., Phys. Dept., Univ. of California, Irvine, Cal. 92717)

DECEMBER 1979

- 2-9 • **Wrkshp on Quantum Logic** Erice, Italy (E. Beltrametti, Istituto di Scienze Fisiche dell'Università, Viale Benedetto XV, 5 I-16132 Genoa, Italy)
- 2-15 **17th Gen Assembly of the IUGG** Canberra, Australia 1/79
- 3-6 **9th Int Symp on Acoustic Imaging** Houston, Tex. 7/79
- 3-7 **AGU Fall Meeting** San Francisco, Ca. 1/79
- 10-12 **2nd Miami Int Conf on Alternative**

Energy Sources Miami Beach, Fla. 5/79

- 10-12 **APS Electron and Atomic Phys Div Meeting** Houston, Texas 11/78
- 10-15 **4th Int Conf on Submillimeter Waves** Miami Beach, Fla. 11/77
- 17-21 **Int Conf of Lasers '79** Orlando, Fla. 7/79
- 17-21 **Int Conf on Nonlinear Dynamics** New York, N.Y. 5/79
- 18-20 • **Receptors at Cell Surfaces** [British Biophys. Soc.] London, UK (D. A. Rees, Unilever Res., Colworth Lab., Sharnbrook, Beds. MK44 1LQ, UK) [11/1/79]

JANUARY 1980

- 2-4 **17th Annual Solid State Phys Conf** Warwick, UK 5/79
- 7-10 **14th IEEE Photovoltaic Specialists Conf** San Diego, Cal. 5/79
- 7-11 **Developments in Atomic Plasma Spectrochemical Analyses** San Juan, Puerto Rico 5/79
- 7-12 • **Optical and Infrared Telescopes for the 1990's** Tucson, Ariz. (G. Burbidge, Director, Kitt Peak Nat. Observatory, PO Box 26732, Tucson, Ariz. 85726)
- 13-17 **AAS Gen Meeting** San Francisco, Cal. 5/79
- 21-24 □ **APS/AAPT Joint Gen Meeting/SPS Zone 9 Meeting** Chicago, Ill. (W. W. Havens Jr, APS, Dion W. J. Shea, SPS 335 E. 45th St., New York, N.Y. 10017) Note: sponsor added
- 21-24 **Conf on Structural Chem of Complex Solids** Castle Hot Springs, Arizona 7/79
- 22-24 • **Solid State Phys Conf** [Australian and New Zealand Inst. of Phys.] Pakatua Island, New Zealand (D. Beaglehole, Victoria Univ., Wellington, New Zealand)
- 22-25 **Topical Meeting on Heavy Ion Phys** Trieste, Italy 7/79
- 28-30 **Integrated and Guided Wave Optics Topical Meeting** Incline Village, Nev. 7/79
- 28-30 **AAS Div of High Energy Astrophys Meeting** Cambridge, Mass. 5/79
- 29-31 **7th Phys of Compound Semiconductor Interfaces Conf** Estes Park, Colo. 7/79

FEBRUARY 1980

- 11-13 **3rd Int Conf on Non-Destructive Evaluation in the Nuclear Industry** Salt Lake City, Utah 5/79
- 13-15 **Int Solid State Circuits Conf** San Francisco, Cal. 1/79
- 18-22 • **Symp on Management of Gaseous Wastes from Nuclear Facilities** [IAEA; OECD Nuclear Energy Agency] Vienna, Austria (John H. Kane, Int. Tech. Conf. Specialist, Tech. Int., MS: A1-5126 Dept. of Energy, Washington, D.C. 20545)
- 18-1 **Recent Developments in Theory of Fundamental Interactions** Karpacz, Poland 7/79
- 25-29 **Int Alfred Wegener Symp** Berlin, Fed. Rep. Germany 5/79
- 26-28 **Inertial Confinement Fusion Topical Meeting** San Diego, Cal. 7/79

26-28 **Conf on Lasers and Electro-Optical Systems** San Diego, Cal. 7/79

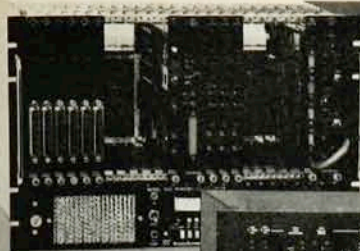
27-29 **Phys of the Jovian Magnetosphere** Houston, Tex. 7/79

MARCH 1980

- 3-5 • **8th Austin Symp on Molecular Structure** [Univ. of Texas] Austin, Texas (J. E. Boggs, Dept. of Chem., Univ. of Texas, Austin, Texas 78712)
- 5-9 **Pittsburgh Conf on Analytical Chem and Applied Spectroscopy** Pittsburgh, Pa. 1/79
- 9-13 • **2nd Int Symp on Gaseous Dielectrics** [ORNL, DOE] Knoxville, Tenn. (Don Bouldin, Oak Ridge Nat. Lab., 4500S, H-162, Oak Ridge, Tenn. 37830) [8/1/79]
- 10-13 **Conf on Acoustics** Munich, Fed. Rep. Germany 1/79
- 17-21 • **ACA Gen Meeting** Univ. of Alabama, Gulf Coast Resort (Jerry L. Atwood, Univ. of Alabama, University, Ala. 35486)
- 24-26 **7th Energy Tech Conf and Expo** Washington, D.C. 7/79
- 24-26 • **Conf on the Microstructure of Carbon and Graphite** [IOP; Chem. Soc.] Glasgow, UK (T. Baird, Dept. of Chem., Univ. of Glasgow, Glasgow, G12 8QQ, UK)
- 24-27 • **2nd Int Conf on Magnetic Fluids** [IEEE Magnetics Soc.] Orlando, Fla. (Markus Zahn, Dept. of Elec. Engrng., Univ. Fla., Gainesville, Fla. 32611) [9/14/79]
- 24-28 □ **APS Gen Meeting/SPS Regional Meeting** New York, N.Y. (W. W. Havens Jr, APS; Dion W. J. Shea, SPS 335 E. 45th St., New York, N.Y. 10017) Note: sponsor added
- 24-28 **Conf on Vacuum Devices** Cambridge, UK 7/79
- 26-28 **Phase Transitions in Molecular Solids** Exeter, UK 7/79
- 26-29 • **Symp on Archaeometry** Paris, France (Symp. Sec., C.R.G. Garchy, 58150 Pouilly Sur Loire, France)
- 30-3 **Int Symp on the Properties and Applications of Metal Hydrides** Colorado Springs, Colo.
- 31-2 • **3rd Int Conf on Physico-Chemical Hydrodynamics** Madrid, Spain (M. G. Velarde, Fac. Ciencias C3, Univ. Autonoma de Madrid, Cantoblanco, Madrid, Spain)

APRIL 1980

- 1-3 • **Spring Meeting: Crystallography Group**, IOP St. Andrews, UK (D. F. Grant, School of Phys. Sci., Univ. of St. Andrews, North Haugh, St. Andrews, Fife KY16 9SS, UK)
- 1-4 • **6th Int Conf on Solid State Dosimetry** Toulouse, France (D. Blanc, Université Paul Sabatier, Centre de Physique Atomique, 118 route de Narbonne, F-31077 Toulouse Cedex, France) [10/15/79]
- 7-11 **Int Conf on Plasma Phys** Nagoya, Japan 5/79
- 8-10 **Int Reliability Phys Symp** Las Vegas, Nev. 5/79
- 9-11 • **Int. Symp on the Phys of Actinides and Related 4f Materials** [EPS] Zurich, Switzerland (P. Wachter, Swiss Fed. Inst. of Tech., Lab. für Festkörper-



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physik, 8093 Zurich, Switzerland)
[1/10/80]

- 11-14 **6th Annual Eur Geophys Soc Meeting** Vienna, Austria 7/79
- 14-16 **Int Conf on Acoustics, Speech and Signal Processing** Denver, Colo. 5/79
- 14-17 **2nd Conf on Low Energy Ion Beams** Bath, UK 7/79
- 14-17 **4th Int Conf on Nuclear Methods in Environmental & Energy Res** Columbia, Mo. 5/79
- 14-18 • **2nd Int Conf on Multiphoton Processes** Budapest, Hungary (Z. Horvath, Sec. Org. Committee, Central Res. Inst. for Phys., PO Box 49, H-1525 Budapest, Hungary)
- 14-18 • **5th ESA Symp on Eur Sounding Rocket and Balloon Programmes and Related Res** Bournemouth, UK (T. Halvorsen, ESA, 8-11 rue Mario Nikis, Paris, France) [9/79]
- 15-17 • **2nd Eur Symp on Photovoltaic Generators in Space** Heidelberg, Fed. Rep. Germany (K. Bogus, ESA/ESTEC, 2200 AG Noordwijk, Netherlands) [12/1/79]
- 15-18 • **Int Symp on Phys of Open-Ended Systems** Tsukuba, Japan (S. Miyoshi, Univ. of Tsukuba, Inst. of Phys. Ibaragi 300-31 Japan)
- 16-18 • **Trends in Nuclear Structure Phys** Manchester, UK (A. R. Barnett, Dept. of Phys., Univ. of Manchester, Manchester M13 9PL, UK) [2/80]
- 16-18 • **EPS Condensed Matter Div Annual Meeting** Antwerp, Belgium (J. Devreese, RUCA, Groenenborgerlaan 171, B-2020 Antwerp, Belgium)
- 21-24 □ **APS Gen Meeting/SPS Regional Meeting** Washington, D.C. (W. W. Havens Jr, APS; Dion W. J. Shea SPS, 335 E. 45th St., New York, N.Y. 10017) Note: sponsor added
- 21-25 • **4th Int Conf on Plasma Surface Interaction on Controlled Fusion Devices** Garmisch-Partenkirchen, Fed. Rep. Germany (P. Martinelli, Max-Planck-Institut für Plasmaphysik, D-8046 Garching, Fed. Rep. Germany)
- 21-25 • **Int Conf on Metallurgical Coatings [AVS]** San Diego, Cal. (R. F. Bunshah, 6532 Boelter Hall, Univ. of California, Los Angeles, Cal. 90024) [10/31/79]
- 21-25 **Intermag '80** Boston, Mass. 5/79
- 21-25 **ASA Meeting** Atlanta, Ga. 5/79
- 22-25 • **Amer Roentgen Ray Soc Annual Meeting** Las Vegas, Nev. (James F. Martin, Sec., Box 71, Bowman Gray School of Medicine, Winston-Salem, N.C. 27103)
- 28-30 **Symp on Sputtering** Perchtoldsdorf, Austria 7/79
- 28-30 **Int Symp on Grain Boundary Phenomena in Electronic Ceramics** Chicago, Ill.

MAY 1980

- 5-7 • **Basic Optical Properties of Materials [NBS; OSA]** Gaithersburg, Md. (Kathy Stang, Materials Bldg B-348, NBS, Washington, D.C. 20234) [1/7/80]
- 6-9 • **2nd Int Conf on Superconducting Quantum Devices [EPS; Federal Institute of Phys. and Tech.]** West Berlin, Fed. Rep. Germany (H.-D. Hahlbohm, Physikalische-Technische Bundesan-

stalt, Institut Berlin, Abbestr. 2-12 1000 Berlin 10, Fed. Rep. Germany)

- 13-16 • **The Satellites of Jupiter** [Int. Astronomical Union; Committee on Space Res.; AAS; University of Hawaii] Kailua-Kona, Hawaii (David Morrison, Institute for Astronomy, 2680 Woodlawn Dr., Honolulu, Hi. 96822)
- 14-16 **Fiber Society Technical Conf** New Orleans, La. 7/79
- 19-22 **Plasma Science Int Conf** Madison, Wisc. 7/79
- 22-27 **AGU Spring Meeting** Toronto, Canada 7/79
- 27-31 **Int Microwave Symp** Washington, D.C. 7/79

JUNE 1980

- 2-6 • **Symp on the Management of Alpha-Contaminated Wastes** [Int. Atomic Energy Commission; Commission of the Eur. Communities] Vienna, Austria (John H. Kane, Int. Tech. Conf. Specialist, Tech. Info., MS: A1-5126, Dept. of Energy, Washington, D.C. 20545)
- 2-6 **Canadian/American Radio Sci Meeting** Quebec City, Canada 7/79
- 3-6 • **Eur Symp on Few-Body Problems in Nuclear and Particle Phys** Sesimbra, Portugal (A. Fonseca, Centro de Fisica Nuclear, Av. Gama Pinto 2, 1699 Lisbon, Portugal)
- 6-11 • **Int Conf on Developments in Atomic Plasma Spectrochemical Analyses** San Juan, Puerto Rico (Winter Conf. 1980, ICP Information Newsletter, Chemistry-GRC Tower I, Univ. of Mass., Amherst, Mass. 01003) [6/1/79]
- 8-13 **ANS Annual Meeting** Las Vegas, Nev. 7/79
- 9-13 • **Nobel Symp: Nuclei at Very High Spins** Lund, Sweden (Sven Gösta Nilsson, Univ. of Lund, Box 725, S-220 07 Lund 7, Sweden)
- 11-13 • **Int Symp on the Statistical Mech of Phase Transitions in Polymers** [Case Inst. Centennial] Cleveland, Ohio (Philip L. Taylor, Phys. Dept., Case Western Reserve Univ., Cleveland, Ohio 44106) [12/31/79]
- 15-18 • **AAS Gen Meeting** College Park, Md.
- 16-18 • **Phys Electronics Conf [APS]** Ithaca, N.Y. (T. N. Rhodin, 217 Clark Hall, Cornell Univ., Ithaca, N.Y. 14853) [4/25/80]
- 18-19 □ **AAS Dynamical Div Meeting** College Park, Md. Note: date and location changed
- 20-1 **Int Meeting: Neutrino 80** Erice, Italy 7/79
- 23-25 **11th Int Quantum Electronics Conf** Boston, Mass. 7/79
- 23-26 **Conf on Precision Electromagnetic Measurements** Braunschweig, Fed. Rep. Germany 7/79
- 23-27 • **9th Int Colloq on Group Theoretic Methods in Phys** Cocoyoc, Mexico (C. Auilez, Instituto de Fisica, Apdo. Postal 20-364, Mexico 20, D.F.) [2/1/79]
- 25-27 • **AAPT Gen Meeting** Troy, N.Y. (William Kelly, Michigan State Univ., East Lansing, Mich. 48824) [3/30/80]
- 30-4 **Conf on Metallic Glasses: Sci and Tech** Budapest, Hungary 7/79
- 30-4 • **7th Eur Thermophys Properties Conf** Antwerp, Belgium (R. DeConinck,

S.C.K./C.E.N., Materials Sci. Dept., Boeretang 200, B-2400, Mol, Belgium) [10/79]

JULY 1980

- 1-10 • **8th Int Conf on Plasma Phys and Controlled Nuclear Fusion Res [IAEA]** Brussels, Belgium (John H. Kane, Int. Tech. Conf. Specialist, Tech. Info., MS: A1-5126 Dept. of Energy, Washington, D.C. 20545)
- 7-11 **Int Conf on Liquids and Amorphous Metals** Grenoble, France 7/79
- 9-16 • **10th Int Congress on Acoustics** [Commission on Acoustics; Australian Acoustical Soc.] Sydney, Australia (Australian Acoustical Soc., 10 ICA Executive Committee, Sci. Cent., 35-43 Clarence St., Sydney N.S.W. 2000, Australia)
- 14-19 **9th Int Conf on Gen Relativity and Gravity** Jena, German Dem. Rep. 7/79
- 17-23 • **20th Int Conf on High Energy Phys [IUPAP]** Madison, Wisc. (Secretary, 20th Int. Conf. on High Energy Phys., Dept. of Phys., Univ. of Wisc., Madison, Wisc. 53706)
- 20-26 • **Cornell Symp on Liquid and Solid ³He [NSF]** Ithaca, N.Y. (Robert C. Richardson, Lab. of Atomic and Solid State Phys., Cornell Univ., Ithaca, N.Y. 14853)
- 21-25 • **5th Int Conf on Hyperfine Interactions** West Berlin, Fed. Rep. Germany (G. Kaundl, Sonderforschungsbereich 161, Hyperfeinwechselwirkung, Freie Universität Berlin, Hüniger Strasse 44, D-1 Berlin 33 Fed. Rep. Germany)
- 22-25 • **Symp on Fundamental Prob in the Theory of Stellar Evolution [IAU]** Kyoto, Japan (D. Sugimoto, Dept. of Earth Sci. and Astronomy, Univ. of Tokyo, 3-8-1, Kornaba, Meguro-Ku, Tokyo 153 Japan)
- 27-31 **AAPM 22nd Annual Meeting** Minneapolis, Minn. 7/79

AUGUST 1980

- 4-7 **5th Int Conf on Zirconium in the Nuclear Industry** Boston, Mass. 7/79
- 4-8 • **7th Int Conf on Atomic Phys** Cambridge, Mass. (Daniel Kleppner, Co-Chairman, Rm. 26-235, MIT, Cambridge, Mass. 02139)
- 4-9 **Symp on Atmospheric Ozone** Boulder, Colo. 7/79
- 4-9 **Int Conf on Raman Spectroscopy** Ottawa, Canada 7/79
- 10-15 • **Int Conf on Low Dimensional Synthetic Metals** Helsingør, Denmark (K. Carneiro, Phys. Lab. 1, H. C. Ørsted Inst., Universitetsparken 5, DK-2100, Copenhagen Ø, Denmark)
- 11-16 **Symp on Radiative Processes in the Atmosphere** Fort Collins, Colo. 7/79
- 17-22 • **ACA Annual Meeting** [ACA; Int Union of Crystallographers] Calgary, Canada
- 17-23 • **14th Int Conf on Thermodynamics and Statistical Mech [IUPAP]** Edmonton, Alberta (D. D. Betts, Statphys 14, Dept. of Phys., Univ. of Alberta, Edmonton T6G 2J1, Canada) [4/1/80]
- 17-23 • **9th Int Conf on the Few-Body Problem** Eugene, Ore. (M. J. Moravcsik, Inst. of Theoretical Sci., Univ. of Oregon, Eugene, Ore. 97403)
- 18-22 • **Phys of Transition Metals [IOP]** Leeds,

UK Meetings Officer, IOP, 47 Belgrave Sq., London SW1X 8QX, UK)

- 24-29 • **X-ray Processes and Inner-Shell Ionization** Strathclyde, UK (D. J. Fabian, Dept. of Metallurgy, Colville Bldg., Univ. of Strathclyde, 48 North Portland St., Glasgow G1 1XN, UK)
- 24-30 • **7th Eur Congress on Electron Microscopy** The Hague, The Netherlands (Lab. for Electron Microscopy, University of Leyden, Rijnsburgerweg 10, Leyden, The Netherlands)
- 25-29 • **Int Conf on Phys on One Dimension** Fribourg, Switzerland (J. Bernasconi, Brown Boveri Res. Center, CH-5405 Baden, Switzerland)
- 25-29 • **4th Nat Congress of the Australian Inst of Phys** Melbourne, Australia 7/79
- 25-30 • **Joint ISMAR-Ampere Conf on Magnetic Resonance** Delft, The Netherlands (ISMAR-Ampere 1980, c/o K.I.V.I., 23 Prinsessegracht, The Hague, The Netherlands)
- 28-29 • **4th Int Conf on Ternary and Multinary Compounds** [Japan Soc. of Applied Phys.] Tokyo, Japan (K. Masumoto, Metal Phys. Div., Nat. Res. Inst. for Metals, 2-3-12 Nakameguro, Meguro-ku, Tokyo 153, Japan) [4/10/80]

SEPTEMBER 1980

- 1-6 • **8th Int Congress on Rheology** Naples, Italy (L. Nicolais, Montedison DIRS, Via Nuova delle Breccia, 150, Barra, Naples, Italy)
- 1-6 • **9th Int Symp on the Reactivity of Solids** Cracow, Poland (J. Nowotny, Inst. of Catalysis and Surface Chem., Polish Acad. of Sciences, ul. Niezapominajek, 30-239 Krakow)
- 2-5 • **12th Annual Conf of the Eur Group for Atomic Spectroscopy** Pisa, Italy (A. Gozzini, Istituto di Fisica, Università di Pisa, Piazza Torricelli, 2, 56100 Pisa, Italy)
- 3-12 • **Grenoble-Varenna Int Symp on Heating in Toroidal Plasmas** [Int. School of Plasma Phys (Italy); Commissariat à l'Energie Atomique (France)] Como, Italy (E. Sindoni, Istituto di Fisica, 16 via Celoria, Milano, Italy)
- 8-12 • **2nd Int Meeting on Small Particles and Inorganic Clusters** Lausanne, Switzerland (J. P. Borel, Laboratoire de Physique Expérimentale, EPFL, Lausanne, Switzerland)
- 9-12 • **Europhys Cont on Computing in High Energy and Nuclear Phys** Bologna, Italy (F. James, DD Div., CERN, CH-1211 Geneva 23, Switzerland) [3/80]
- 11-21 • **High Energy Physics** Maria Laach, Fed. Rep. Germany (J. K. Bienlein, DESY, Notkestr. 85, D-2000 Hamburg 52, Fed. Rep. Germany)
- 15-19 • **10th Eur Solid State Device Res Conf/5th Symp on Solid State Device Tech** York, UK (Meetings Office, IOP, 47 Belgrave Sq., London SW1X 8QX, UK)
- 21-27 • **3rd Eur Surface Science Conf** Cannes, France
- 22-26 • **8th Int Vacuum Congress/4th Int Conf on Solid Surfaces/3rd Eur Conf on Surface Science/5th Nat Colloquium on Physics and Chem of Solid Surfaces** [IUPAP; IUPAC; EPS; Int. Union for Vacuum Science, Technique and Applications] Cannes, France (Societe

Francaise Du Vide, 19, rue du Renard, 75004 Paris, France, For attention of: 1980 Steering Committee)

- 29-2 • **Applied Superconductivity Conf** Santa Fe, N.M. (William E. Keller, Los Alamos Sci. Lab., P.O. Box 1663, MS 764, Los Alamos, N.M. 87545)

OCTOBER 1980

- 1-2 • **Symp on Fiber Microscopy and Spectroscopy** [The Fiber Society] Rockville, Md. (The Fiber Society, Inc., P.O. Box 625, Princeton, N.J.)
- 6-10 • **5th Int Conf on Infrared and Millimeter Waves** Würzburg, Fed. Rep. Germany (K. J. Button, Francis Bitter Nat. Magnet Lab., M.I.T., 170 Albany St., Cambridge, Mass. 02139)
- 7-9 • **Electromagnetic Compatibility Symp** Baltimore, Md. (A. Farrar, IIT Research Institute, ECAC/North Severn, Annapolis, Md. 21402)
- 9-11 • **Meeting of APS Nuclear Phys Div** Minneapolis, Minn. (W. W. Havens Jr, 335 E. 45th St., New York, N.Y. 10017)
- 14-17 • **Vacuum Symp [AVS]** Detroit, Mich. (C. T. Morris, Bell Telephone Labs., Room 2E-325, Naperville, Ill. 60540)
- 20-24 • **OSA Annual Meeting** New Orleans, La. (OSA, 2000 L St., NW, Suite 620, Washington, D.C. 20036)
- 29-31 • **Nuclear Science Symp [IEEE Nuclear and Plasma Sciences Group]** Atlanta, Ga. (Technical Activities Board, IEEE, 345 E. 47th Street, New York, N.Y. 10017)

NOVEMBER 1980

- 5-7 • **Ultrasonics Symp** [IEEE Sonics and Ultrasonics Group] Boston, Mass. (R. C. Williamson, MIT Lincoln Labs., Room D-331, P.O. Box 73, Lexington, Mass. 02173)
- 10-14 • **Meeting of APS Plasma Phys Div** San Diego, Ca. (The American Physical Society, 335 E. 45th Street, New York, N.Y. 10017)
- 11-14 • **Magnetism and Magnetic Materials Conf [IEEE; AIP]** Dallas, Texas (D. C. Bullock, Texas Instruments, Inc., P.O. Box 5536-MS. 145, Dallas, Texas 75222)
- 16-21 • **ANS Winter Meeting** Washington, D.C. (D. G. Pettengill, ANS, 555 N. Kensington Ave., La Grange Park, Ill. 60525)
- 18-21 • **ASA Meeting** Los Angeles, Cal.

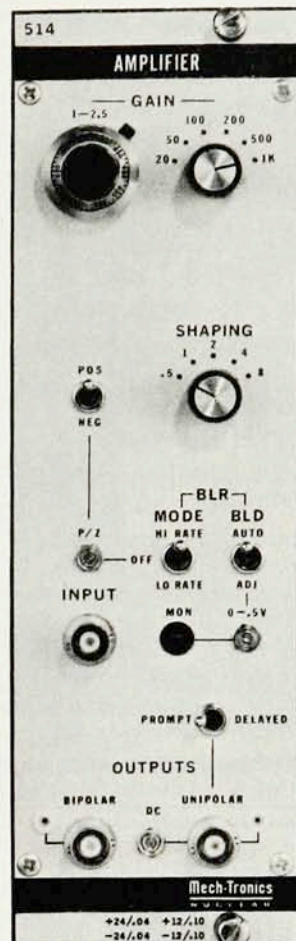
DECEMBER 1980

- 1-3 • **Meeting of APS Electron & Atomic Phys Div** Los Angeles, Cal. (W. W. Havens Jr, 335 East 45th Street, New York, N.Y. 10017)
- 24-26 • **Meeting of APS Fluid Dynamics Div** Blacksburg, Va. (W. W. Havens Jr, 335 East 45th St., New York, N.Y. 10017)

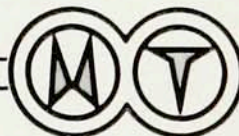
JANUARY 1981

- 21-25 • **Liquid Crystals of One- and Two-Dimensional Order and their Applications** Garmisch-Partenkirchen, Fed. Rep. Germany (W. Helfrich, Inst. f. Theoretische Physik, Freie Universität, Arnimallee 3, D-1 Berlin 33, Fed. Rep. Germany) □

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