

MARCH 1990

- **6-8 2nd Symp on Integrated Ferroelectrics** Monterey, CA *Contact:* Alona S. Miller [Tel. (719) 593-3488] Microelectronics Rsch Lab, Univ of Colorado, Colorado Springs Campus, PO Box 7150, Colorado Springs, CO 80933-7150
- 6-8 Intl Cong on Recent Developments in Air and Structure Borne Sound and Vibration** Auburn Univ, AL *See issue:* 7/89
- **6-9 Adriatico Rsch Conf on Fourier Optics and Holography** Trieste, Italy *Contact:* Intl Ctr for Theor Phys [Tel. 224163] PO Box 586, 34100 Trieste, Italy
- 12-14 13th Austin Symp on Molec Structure** Austin, TX *See issue:* 7/89
- 12-16 Gordon Rsch Conf on Bio-analytical Sensors** Ventura, CA *See issue:* 1/90
- 12-16 Gordon Rsch Conf on Crystal Growth** Oxnard, CA *See issue:* 1/90
- 12-16 Intl Cong on Opt Sci and Eng** Hague, The Netherlands *See issue:* 7/89
- 12-16 Ann Mtg of the APS Div of High Polymer Phys** Anaheim, CA *See issue:* 7/88
- 12-16 March Mtg APS** Anaheim, CA *See issue:* 7/88
- 14-16 Intl Industrial Symp on the Super Collider** Miami Beach, FL *See issue:* 11/89
- 15-17 CCD Techniques in Opt Astron** Charleston, SC *See issue:* 3/89
- 17-24 30th Sanibel Symp** St Augustine, FL *See issue:* 9/89
- **18-22 Solar 90: Natl Solar Energy Conf** Austin, TX *Contact:* Amer Solar Energy Soc [Tel. (303) 443-3130] 2400 Central Ave, Suite B-1, Boulder, CO 80301
- 18-23 Symp on Advances in Semiconductors and Superconductors: Phys Toward Device Apps** San Diego, CA *See issue:* 1/89
- 19-20 10th Conf on High Vacuum, Interfaces and Thin Films** Dresden, Germany (GDR) *See issue:* 11/89
- **19-21 Reflector Design—Theory and Practice** Denver, CO *Contact:* TLA-Lighting Consultants Inc [Tel. (508) 745-6870] 72 Loring Ave, Salem, MA 01970
- 19-21 9th Intl Conf on Thermoelectronics** Pasadena, CA *See issue:* 1/90
- 19-23 Gordon Rsch Conf on Superconductivity** Ventura, CA *See issue:* 1/90
- 19-23 Gordon Rsch Conf on Polymers in Biosystems** Oxnard, CA *See issue:* 1/90
- 19-23 Chapman Conf on Global Biomass Burning: Atmospheric, Climatic, and Biospheric Implications** Williamsburg, VA *See issue:* 11/89
- 25-27 NATO ASI Large-Scale Molecular Systems: Quantum and Stochastic Aspects** Acquafredda di Maratea, Italy *See issue:* 9/89
- 26-28 Short Course on Plasma Etching** Washington, DC *See issue:* 1/90

26-30 Integrated Photonics Rsch Top Mtg Hilton Head, SC *See issue:* 11/89

APRIL 1990

- 1-5 31st Exper NMR Conf** Pacific Grove, CA *See issue:* 11/89
- 1-7 1st Intl Conf on Epitaxial Crystal Growth** Budapest, Hungary *See issue:* 7/89
- **2-3 Wksp on Low-Energy Muon Sci in the 90s** Villigen PSI, Switzerland *Contact:* M. Signer [Tel. (056) 992111] Paul Scherrer Inst, CH-5232 Villigen PSI, Switzerland *See issue:*
- **2-4 Polycrystalline Silicon Tech** San Francisco, CA *Contact:* Cont Education in Eng, UC Berkeley Extension [Tel. (415) 642-4151] 2223 Fulton St, Berkeley, CA 94720
- 2-6 8th Intl Conf on Thin Films and 17th Intl Conf on Metallurgical Coatings** San Diego, CA *See issue:* 11/89
- 2-6 Intl Cong on Opt Sci and Eng** Hamburg, FRG *See issue:* 7/89
- 2-6 Advances in Material Sci and Apps of High Temp Superconductors** Greenbelt, MD *See issue:* 7/89
- 4-5 26th Ann Mtg of the Natl Council on Radiation Protection and Measurements** Washington, DC *See issue:* 11/89
- 4-6 2nd Intl Symp on Power Semiconductor Devices and ICs** Tokyo, Japan *See issue:* 9/89

4-6 Structure of Surfaces and Interfaces as Studied by Synchrotron Radiation Manchester, UK *See issue:* 7/89

6-7 Spring Mtg of the New England Sec of APS Lowell, MA *See issue:* 1/90

8-13 ACA Annl Mtg New Orleans, LA *See issue:* 7/89

- **9-10 Short Course on Multilevel Metallization for VLSI** San Francisco, CA *Contact:* Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720
- 9-12 10th Genl Conf of the Condensed Matter Div of the European Phys Soc** Lisbon, Portugal *See issue:* 11/89

- **10-12 Short Course on Microsensors and Microactuators** San Francisco, CA *Contact:* Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720

10-12 2nd New Materials and Their Applications Conf Warwick, UK *See issue:* 11/88

16-19 APS Spring Mtg Washington, DC *See issue:* 7/89

16-20 Mtg on Optical Eng/Aerospace Sensing Orlando, FL *See issue:* 11/89

16-20 MRS Spring Mtg San Francisco, CA *See issue:* 7/88

- **17-18 Short Course on MOS Devices** San Francisco, CA *Contact:* Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720

Please note: Complete information is given only for new listings (marked ●) or for newly revised listings (marked ○). All items previously listed indicate the issue of PHYSICS TODAY that carries the complete listing. The complete listings are coded as follows:
 date title location [sponsor] contact [abstract deadline]
 § indicates financial aid may be available for some to attend the meeting.

This calendar appears in alternate (odd-numbered) months. Notices should be sent to: Calendar, PHYSICS TODAY, 335 East 45th Street, New York NY 10017, at least three months in advance.

AAAS	American Association for the Advancement of Science	IEEE	Institute of Electrical and Electronics Engineers
AAPM	American Association of Physicists in Medicine	IOP	Institute of Physics (London)
AAPT	American Association of Physics Teachers	IUPAC	International Union of Pure and Applied Chemistry
AAS	American Astronomical Society	IUPAP	International Union of Pure and Applied Physics
ACA	American Crystallographic Association	LBL	Lawrence Berkeley Laboratory
AGU	American Geophysical Union	LLNL	Lawrence Livermore National Laboratory
ANS	American Nuclear Society	MRS	Materials Research Society
APS	American Physical Society	NAS	National Academy of Sciences
ASA	Acoustical Society of America	NBS	National Bureau of Standards
AVS	American Vacuum Society	NRC	Nuclear Regulatory Commission
BNL	Brookhaven National Laboratory	NRL	Naval Research Laboratory
CNRS	Centre National de la Recherche Scientifique	NSF	National Science Foundation
DOE	Department of Energy	ORNL	Oak Ridge National Laboratory
DPG	Deutsche Physikalische Gesellschaft	OSA	Optical Society of America
EPS	European Physical Society	S of R	Society of Rheology
IAEA	International Atomic Energy Agency	SPIE	International Society for Optical Engineering
IAU	International Astronomical Union	SPS	Society of Physics Students
ICTP	International Centre for Theoretical Physics		

- **17-20 Scanning 90—2nd Ann Intl Mtg on Scanning Microscopy and Related Modalities** Arlington, VA *Contact:* Alan Boyde, Dept of Anatomy and Devel Biol, Univ College London, Gower Street, London WC1E 6BT, UK

17-20 Intl Magnetism Conf Brighton, UK *See issue:* 11/89

18-20 11th Yugoslav Vacuum Cong Slovenia, Yugoslavia *See issue:* 11/89

- **19-21 4th Natl Conf on Undergrad Rsch** Schenectady, NY *Contact:* NCUR-90, Wells House [Tel. (518) 370-6649] 1 Union Ave, Schenectady, NY 12308 [13 Feb 90]

- **19-21 2nd Intl Wksp on Industrial Apps of Surface Analysis Techniques** Hong Kong *Contact:* Y. B. Yang, Phys Dept, HK Baptist College, Kowloon, Hong Kong

- **22-26 92nd Ann Mtg of the Amer Ceramic Soc** Dallas, TX *Contact:* The Amer Ceramic Soc [Tel. (614) 890-4700] 757 Brookside Plaza Dr, Westerville, OH 43081-6136

22-27 Symp on the Characterization of Polymer Surfaces Boston, MA *See issue:* 11/89

23-25 TEAM Wksp and Seminar on Eddy-Current, Nonlinear and Coupled Problems in Electromag Oxford, UK *See issue:* 1/90

23-26 Intl Conf on Low Temp Electronics Berkeley, CA *See issue:* 9/89

23-27 Inst of Environ Sci 36th Ann Tech Mtg New Orleans, LA *See issue:* 11/89

23-27 15th Genl Assem of the Eur Geophys Soc Copenhagen, Denmark *See issue:* 3/89

23-27 Nucl Structure in the '90s Oak Ridge, TN *See issue:* 9/89

- **24-27 NASA-WCRP Intl Conf on the Climatic Impact of Solar Variability** Greenbelt, MD *Contact:* K. Schatten [Tel. (301) 286-3831] Code 613, NASA/Goddard Space Flight Ctr, Lab for Atmospheres, Greenbelt, MD 20771 [16 Jan 90]

24-27 12th Symp on Appl Surface Analysis and 26th Ann Symp of the New Mexico Chapter of AVS Albuquerque, NM *See issue:* 11/89

24-27 IAU Colloq No 123: Observatories in Earth Orbit and Beyond Washington, DC *See issue:* 9/89

24-27 13th Intl Cryogenic Eng Conf Beijing, China *See issue:* 9/89

29-4 Soc of Vacuum Coaters 33rd Annl Tech Conf New Orleans, LA *See issue:* 1/90

29-4 Intl Conf on Transport Properties of Superconductors Rio de Janeiro, Brazil *See issue:* 9/89

30-4 Conf on the Sci and Tech of Thin Film Superconductors Denver, CO *See issue:* 9/89

MAY 1990

1-5 Symp in Honor of Akito Arima: Nucl Phys in the 1990s Santa Fe, NM *See issue:* 9/89

3-4 21st Ann Pittsburgh Conf on Modeling and Simulation Pittsburgh, PA *See issue:* 11/89

- **4-5 3rd Canadian Symp on High-Temp Superconductivity** Montreal, QC, Canada *Contact:* L. G. Caron [Tel. (829) 821-7056] Centre de Recherche en Physique du Solide, Faculté des Sciences, Université de Sherbrooke, Sherbrooke, QC, J1K 2R1, Canada

- **6-10 36th Intl Instrumentation Symp** Denver, CO *Contact:* A. L. Clarke [Tel. (213) 647-3450] Rockwell Intl, North American Aircraft, PO Box 92098, MC RB07, Los Angeles, CA 90009

6-11 State-of-the-Art Program on Compound Semiconductors Montreal, Quebec, Canada *See issue:* 11/89

- **7-8 Short Course on Principles of Fourier Optics and Holography** Tucson, AZ *Contact:* Optical Systems and Eng Short Courses Inc [Tel. (602) 885-3798] PO Box 18667, Tucson, AZ 85731

7-11 IEEE Antennas and Propagation Soc Intl Symp and Intl Union of Radio Sci Mtg Dallas, TX *See issue:* 11/89

- **9-11 Short Course on Geometrical Optics and Lens Design** Tucson, AZ *Contact:* Optical Systems and Eng Short Courses Inc [Tel. (602) 885-3798] PO Box 18667, Tucson, AZ 85731

9-11 Top Symp on High-Temp Superconductors: Materials Aspects Garmisch-Partenkirchen, FRG *See issue:* 9/89

- **10-12 Chautauqua Course: A Radio View of the Universe** Green Bank, WV *Contact:* George K. Miner [Tel. (513) 229-2327] Chautauqua Field Ctr, Univ of Dayton, Dayton, OH 45469

13-18 Conf on Fluid-Particle Interactions II Davos, Switzerland *See issue:* 9/89

- **14-15 Short Course on Optical Testing** Tucson, AZ *Contact:* Optical Systems and Eng Short Courses Inc [Tel. (602) 885-3798] PO Box 18667, Tucson, AZ 85731

- **14-16 Intl Wksp on Correlations and Multiparticle Production** Marburg, FRG *Contact:* High-Energy Phys Group, Dept of Phys, Univ of Marburg, Mainzer Gasse 33, D-3550 Marburg/Lahn, FRG

14-18 3rd Intl Conf on Ground-Penetrating Radar Denver, CO *See issue:* 1/90

14-18 New Mexico State Univ Short Courses in Appl Optics Las Cruces, NM *See issue:* 9/89

14-18 Ultrafast Phenomena Monterey, CA *See issue:* 9/89

- **16-18 Short Course on Optical Fabrication, Alignment and Instruments** Tucson, AZ *Contact:* Optical Systems and Eng Short Courses Inc [Tel. (602) 885-3798] PO Box 18667, Tucson, AZ 85731

17-18 Top Conf on Nonmetallic Materials and Composites at Low Temp Heidelberg, FRG *See issue:* 9/89

20-24 Wksp on the Sci and Tech of Diamond Thin Films Cleveland, OH *See issue:* 9/89

20-24 Intl Conf on Organic Superconductors South Lake Tahoe, CA *See issue:* 9/89

20-25 43rd Ann Conf of the Soc for Imaging Sci and Tech Rochester, NY *See issue:* 11/89

- **21-23 12th Intl Conf on Advances in Stabilization and Controlled Degradation of Polymers** Lucerne, Switzerland

Contact: A. V. Patsis Materials Lab, CSB 209, State Univ of New York, New Paltz, NY 12561

21-23 Conf on Plasma Sci Oakland, CA *See issue:* 9/89

21-24 Genl Assembly of the Solar Phys Section of the Eur Phys Soc: The Dynamic Sun Debrecen, Hungary *See issue:* 9/89

21-24 7th Symp on Radiation Measurements and Apps Ann Arbor, MI *See issue:* 11/89

21-25 CLEO '90 and IQEC '90 Anaheim, CA *See issue:* 9/89

21-25 10th Polymer Networks Group Mtg and IUPAC Intl Symp on Polymer Networks Jerusalem, Israel *See issue:* 11/89

21-26 2nd Eur Vacuum Conf Trieste, Italy *See issue:* 11/89

21-25 119th Mtg ASA University Park, PA *See issue:* 7/88

22-24 Intl Conf on Holography Apps Beijing, China *See issue:* 9/89

- **23-24 Short Course on Low-Pressure Plasma Discharges Used in Semiconductor Processing** San Francisco, CA *Contact:* Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720

- **23-25 44th Ann Frequency Control Symp** Baltimore, MD *Contact:* Frequency Control Symp, PO Box 826, Belmar, NJ 07719 [10 Jan 90]

23-25 Recent Devel in Structured Continua II Sherbrooke, Quebec, Canada *See issue:* 11/89

28-31 Confrontation Between Stellar Pulsation and Evolution Bologna, Italy *See issue:* 9/89

- **29-1 Short Course on Picosecond and Femtosecond Optics and Optoelectronics** San Francisco, CA *Contact:* Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720

29-1 34th Intl Symp on Electron, Photon, and Ion Beams San Antonio, TX *See issue:* 1/90

29-1 AGU Spring Mtg Baltimore, MD *See issue:* 1/90

JUNE 1990

- **2-12 30th Cracow School of Theoretical Phys: Structure of Fundamental Interactions** Zakopane, Poland *Contact:* W. Slominski Inst of Phys, Jagellonian Univ, ul. Reymonta 4, 30-059 Krakow, Poland

- **4-5 9th Ann Symp on Electronic Materials, Processing and Characterization** Richardson, TX *Contact:* M. E. Weber [Tel. (214) 995-5983] 9th Ann Symp, PO Box 830914, Richardson, TX 75083-0914

- **4-6 Flow Visualization Techniques** Ann Arbor, MI *Contact:* Engineering Summer Conferences [Tel. (313) 764-8490] 800 Chrysler Ctr, North Campus, Univ of Michigan, Ann Arbor, MI 48109

4-6 Optical Spectroscopic Instrument and Techniques: Apps in Astron, Chem and Phys Las Cruces, NM *See issue:* 11/89

4-7 Short Course on the Ocean: An Acoustic Medium Fairfax, VA *See issue:* 11/89

4-7 **Solid-State Sensor and Actuator Wksp** Hilton Head Island, SC *See issue: 9/89*

4-8 **Chapman Conf on Crustal-Scale Fluid Transport: Magnitude and Mechanisms** Snowbird, UT *See issue: 11/89*

4-9 **Extragalactic Molecular Clouds: Dynamics and Relation to Star Formation** Paris, France *See issue: 9/89*

● 4-29 **3rd Ann Complex Systems Summer School** Santa Fe, NM *Contact: Andi Sutherland [Tel. (505) 984-8800] Santa Fe Inst, 1120 Canyon Rd, Santa Fe, NM 87501*

6-7 **NMR Imaging: Recent Developments and Future Prospects** London, UK *See issue: 3/89*

● 7-10 **6th Ann Mtg of the Amer College of Medical Phys** Austin, TX *Contact: Laura Jones, Amer College of Medical Phys, 1891 Preston White Dr, Reston, VA 22091*

10-12 **Symp on Görtler Vortex Flows** Nantes, France *See issue: 1/90*

● 10-14 **Mtg of AAS Solar Phys Div** Albuquerque, NM *Contact: D. Hathaway [Tel. (205) 544-7581] NASA/George C. Marshall Space Flight Ctr, Space Sci Lab, Huntsville, AL 35812*

10-14 **176th Mtg of AAS** Albuquerque, NM *See issue: 9/89*

10-15 **ANS Ann Mtg** Nashville, TN *See issue: 11/88*

10-23 **Supermagnets, Hard Magnetic Materials, NATO Adv Study Inst** Il Ciocco, Italy *See issue: 9/89*

● 11-12 **Short Course on High-Speed Communications Networks** San Francisco, CA *Contact: Continuing Education in Eng [Tel. (415) 642-4151] UC Berkeley Extension, 2223 Fulton St, Berkeley, CA 94720*

● 11-13 **5th Intl Wksp on Electroluminescence** Helsinki, Finland *Contact: J. I. Pankove [Tel. (303) 492-5470] Dept of Elec and Comp Eng, Univ of Colorado at Boulder, Boulder, CO 80309-0425. Note new contact person*

11-14 **Intl Lens Design Top Mtg** Monterey, CA *See issue: 11/89*

● 11-15 **Wksp on the Electromechanical Coupling of the Solar Atmosphere** Crete, Greece *Contact: D. S. Spicer, Code 682, NASA/Goddard Space Flight Ctr, Greenbelt Rd, Bldg 21, Rm 166A, Greenbelt, MD 20771*

● 11-15 **Conf on Lasers in Chem** Trieste, Italy *Contact: Intl Ctr for Theor Phys [Tel. 224163] PO Box 586, 34100 Trieste, Italy*

11-15 **2nd Conf on Adv Tech and Particle Phys** Como, Italy *See issue: 9/89*

11-16 **2nd Eur Particle Accel Conf** Nice, France *See issue: 9/89*

12-14 **Optical Fabrication and Testing Wksp** Monterey, CA *See issue: 11/89*

13-15 **Chapman Conf on Hydrologic Aspects of Global Climate Change** Lake Chelan, WA *See issue: 11/89*

13-15 **1st Intl Symp on Atomic Layer Epitaxy** Helsinki, Finland *See issue: 9/89*

14-25 **Adv Study Inst on Techniques and Concepts of High Energy Phys** St. Croix, US Virgin Islands *See issue: 11/89*

● 16-22 **Adv Techniques in Magnetic Resonance Imaging** Kiawah Island, SC *Contact: G. Allan Johnson [Tel. (919) 660-2711 ext 4354] Dept of Radiology, Box 3302, Duke Univ Medical Ctr, Durham, NC 27710*

18-20 **IAU Symp 143: Wolf-Rayet Stars and Interrelations with Other Massive Stars in Galaxies** Denpasar, Indonesia *See issue: 9/89*

18-22 **C-MRS Intl 1990** Beijing, China *See issue: 11/89*

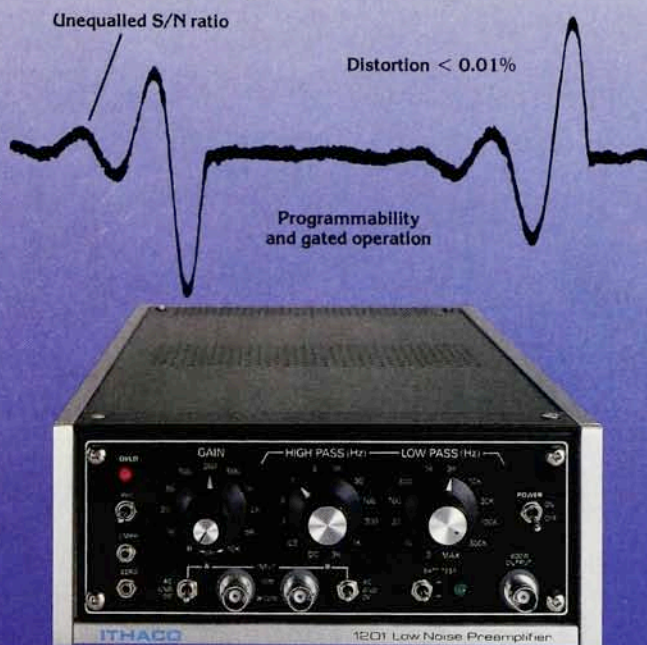
18-22 **IAU Symp 144: The Interstellar Disk-Halo Connection in Galaxies** Leiden, The Netherlands *See issue: 9/89*

18-29 **Discussion Mtg on Relaxations in Complex Sys** Crete, Greece *See issue: 9/89*

19-30 **NATO Adv Study Inst on Phase Transitions in Surface Films** Erice, Sicily, Italy *See issue: 1/90*

20-22 **Mtg Cryogenic Soc of Amer** Oak Park, IL *See issue: 1/90*

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- 20-23 Dynamics Days Düsseldorf, 11th Wksp Düsseldorf, FRG Contact: G. Eilenberger [Tel. (49) 2461 61 4073] IFF, KFA Jülich 1, FRG [30 Apr 1990]

24-29 12th Intl Conf on Particles and Nuclei Cambridge, MA See issue: 7/88

24-30 7th Cimtec World Ceramics Cong Florence, Italy See issue: 11/89

25-29 17th Eur Conf on Controlled Fusion and Plasma Heating Amsterdam, The Netherlands See issue: 9/89

- 25-30 Mtg of IAU Commission 51: Bioastronomy—the Exploration Broadens Val Cenis, France Contact: M. Klein [Tel. (818) 354-3405] JPL SETI Project, Jet Propulsion Lab, 4800 Oak Grove Dr, Bldg 180, Rm 904, Pasadena, CA 91109

25-30 Sum Mtg AAPT Minneapolis, MN See issue: 9/89

- 25-27 28th Committee on Space Rsch The Hague, The Netherlands Contact: R. C. Hart [Tel. (202) 334-3477] The Space Studies Board, Natl Acad of Sci, 2101 Constitution Ave NW, Washington, DC 20418

25-27 NATO Adv Study Inst on Sci and Tech of Nanostructured Magnetic Materials Crete, Greece See issue: 11/89

- 27-29 1990 Electronic Materials Conf Santa Barbara, CA Contact: Barbara J. Kamperman [Tel. (412) 776-9050] The Minerals, Metals and Materials Soc, 420 Commonwealth Dr, Warrendale, PA 15086 [10 Feb 90]

JULY 1990

2-5 7th CIMTEC World Ceramics Cong: Satellite Symp 4, on High-Temp Superconductors Trieste, Italy See issue: 9/89

- 3-6 4th Intl Wksp on Slow-Positron Beam Techniques for Solids and Surfaces London, Ontario, Canada Contact: P. J. Schultz [Tel. (519) 661-3390] Dept of Phys, Univ of Western Ontario, London, Ontario, N6A 3K7, Canada [1 May 90]

6-7 1st Intl Symp on Teleradiology Network and Other Associated Techniques Calgary, Alberta, Canada See issue: 11/89

7-11 1st EPS Liquid Matter Conf Lyon, France See issue: 9/89

8-13 34th Ann Intl Tech Symp on Opt and Optoelectronic Appl Sci and Eng San Diego, CA See issue: 9/89

8-14 17th Intl Symp on Rarefied Gas Dynamics Aachen, FRG See issue: 11/88

9-12 Intl Conf on the Structure of Surfaces Milwaukee, WI See issue: 11/89

9-13 The Magellanic Clouds and Their Dynamical Interaction with the Milky Way New South Wales, Australia See issue: 9/89

9-13 15th Intl Conf on X-Ray and Innershell Processes Knoxville, TN See issue: 9/89

- 10-12 Topical Mtg on Nondestructive Evaluation of Modern Ceramics Columbus OH Contact: Barbara Runyon [Tel. (800) 222-2768] Amer Soc for Nondestructive Testing, 4153 Arlington Plaza, Columbus OH 43228-0518 [15 Jan 90]

- 13-18 102nd Ann Mtg of Astron Soc of the Pacific Boston, MA Contact: Andrew Fraknoi [Tel. (415) 337-1100] Astron Soc of the Pacific, 390 Ashton Ave, San Francisco, CA 94112

- 16-20 AAPM Summer School on Advances in Radiation Oncology Phys Lawrence, KS Contact: AAPM [Tel. (212) 661-9404] 335 East 45th St, New York, NY 10017

16-20 Nuclear and Space Radiation Effects Conf Reno, NV See issue: 1/90

16-20 Intl Conf on Luminescence Lisbon, Portugal See issue: 9/89

16-20 Nonlinear Optics Kauai, HI See issue: 9/89

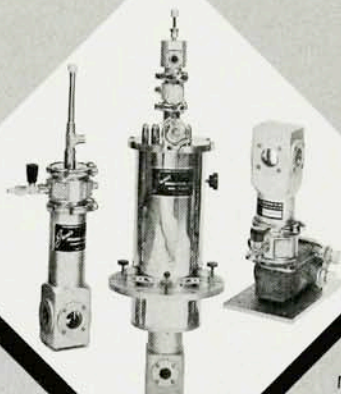
16-26 Intl School of Intermediate Energy Nuclear Phys 7th Course l'Aquila, Italy See issue: 9/89

- 16-27 18th Ann SLAC Summer Inst on Particle Phys: Gauge Bosons and Heavy Quarks Palo Alto, CA Contact: Eileen Brennan [Tel. (415) 926-2877] SLAC, Bin #62, PO Box 4349, Stanford, CA 94709

17-20 The Sun and Cool Stars: Activity, Magnetism, Dynamos Helsinki, Finland See issue: 9/89

19-28 IUCr 15th Genl Assem and Intl Cong Bordeaux, France See issue: 3/89

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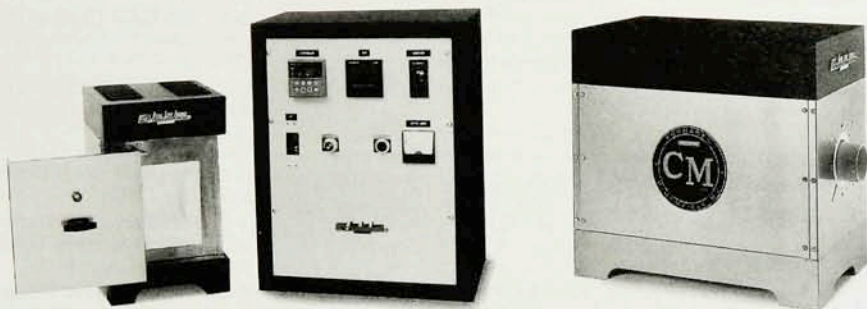
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- 22-26 Ann Mtg AAPM St. Louis, MO
See issue: 9/89
- 22-27 13th Intl Liquid Crystal Conf
Vancouver, BC, Canada See issue: 9/89
- 22-27 45th Calorimetry Conf Ann Arbor, MI See issue: 11/89
- 22-2 NATO Adv Study Inst on Diamond and Diamond-like Films Castelvecchio Pascoli, Italy See issue: 11/89
- 23-26 Conf on Advances In Cementitious Materials Gaithersburg, MD
Contact: The Amer Ceramic Soc [Tel. (614) 890-4700] 757 Brooksedge Plaza Dr, Westerville, OH 43081-6136
- 23-27 5th Intl Conf on Scanning Tunneling Microscopy/Spectroscopy and 1st Intl Conf on Nanometer-Scale Sci and Tech Baltimore, MD See issue: 1/90
- 24-26 Conf on Polymer Blends Cambridge, UK See issue: 9/89
- 24-27 Intl Colloq on Surface Inhomogeneities on Late-Type Stars Armagh, Northern Ireland Contact: P. B. Byrne [Tel. (0861) 522928] Armagh Observatory, Armagh BT61 9DG, Northern Ireland Note revised dates and addition of phone number
- 24-28 1st European Mtg of the Amer Assoc of Variable Star Observers Brussels, Belgium See issue: 11/89
- 27-6 Intl School on Disarmament and Res on Conflicts 13th Summer Course l'Aquila, Italy See issue: 9/89
- 29-2 13th Intl EPR Symp Denver, CO See issue: 1/90
- 29-3 37th Intl Field Emission Symp Albuquerque, NM Contact: Gary L. Kellogg, Div 1114, Sandia Natl Lab, Albuquerque, NM 87185
- 29-5 Sum Sch on Crystallographic Computing Strasbourg See issue: 3/89
- 29-18 Summer Course of NATO Adv Study Inst: Pattern Recognition and Image Processing in Phys Dundee, Scotland Contact: J. E. Callison [Tel. 44-382-23181] Dept of Appl Phys and Elec and Manufacturing Eng, Univ of Dundee, DD14HN Scotland, UK
- 30-1 Conf on Polycrystalline Semiconductors Schwäbisch Hall, FRG Contact: H. P. Strunk [Tel. (0711) 6860-645] Max-Planck Inst FKF, Heisenbergstr. 1, D-7000 Stuttgart 80, FRG
- 30-1 Topical Conf on Rsch Trends in Superconductivity La Jolla, CA Contact: Inst for Adv Phys Stud (La Jolla Intl School of Phys) [Tel. (619) 456-5737] PO Box 2946, La Jolla, CA 92038
- 30-2 8th Intl Conf on Ion Implantation Tech Guildford, UK See issue: 11/89
- 30-3 10th Ann Wksp on Maximum Entropy and Bayesian Methods Laramie, WY Contact: E. Haskell [Tel. (307) 766-6514] Dept of Phys and Astron, Univ of Wyoming, Laramie, WY 82071
- 30-3 5th Intl Conf on the Phys of Electro-Optic Microstructures and Microdevices Crete, Greece See issue: 11/89
- 30-3 Gordon Conf on Electronic Processes In Organic Materials Plymouth, NH See issue: 11/89
- 30-3 12th Intl Conf on Atomic Phys Ann Arbor, MI See issue: 9/89
- 31-2 4th Intl Conf on Shallow Impurities in Semiconductors London, UK Contact: Gordon Davies, Phys Dept, King's College London, The Strand, London WC2R 2LS, UK
- ### AUGUST 1990
- 2-8 25th Intl Conf on High Energy Phys Singapore See issue: 9/89
- 5-8 15th Cong of the Intl Commission for Optics: Optics in Complex Sys Garmisch-Partenkirchen, Bavaria, FRG See issue: 9/89
- 5-18 Intl Summer School on the Structure of Hadrons and Hadronic Matter Dronen, The Netherlands See issue: 11/89
- 6-10 Gordon Rsch Conf on Photonic Reactions Tilton, NH Contact: R. J. Holt [Tel. (708) 972-4012] Phys Div 203, Argonne Natl Lab, Argonne, IL 60439-4843
- 6-10 Summer Course in Hadron Spectroscopy College Park, MD See issue: 11/89
- 8-10 Speciality Polymers '90 Baltimore, MD See issue: 9/89
- 12-16 Intl Conf on Optics in Life Sci Garmisch-Partenkirchen, FRG See issue: 9/89
- 12-17 Gordon Conf on Dynamics of Simple (Few-Body) Systems in Chem and Phys Landover, NH See issue: 11/89
- 13-17 Intl Conf on Solid Films and Surfaces Providence, RI See issue: 11/89
- 13-17 5th Intl Conf on Hadronic Mechanics and Nonpotential Interactions Cedar Falls, IA See issue: 9/89
- 16-22 19th Intl Conf on Low Temperature Phys Brighton, Sussex, UK See issue: 3/89
- 20-24 15th Intl Conf on Electrical Contacts/IEEE-Holm Conf on Electrical Contacts Montreal, Canada See issue: 11/89
- 20-24 Symp on Fluid Mech of Stirring and Mixing La Jolla, CA See issue: 9/89
- 21-25 Western Pacific Geophys Mtg Kanazawa, Japan See issue: 11/89
- 27-30 IAU Colloq 126: Origin and Evolution of Interplanetary Dust Kyoto, Japan See issue: 1/90
- 27-31 6th Intl Conf on Molecular Beam Epitaxy La Jolla, CA See issue: 1/90
- 27-31 6th Trieste Semiconductor Symp—Hydrogen in Semiconductors: Bulk and Surface Properties Trieste, Italy See issue: 9/89
- 27-31 Joint Varenna-Lausanne Intl Wksp on Theory of Fusion Plasmas Varenna, Italy See issue: 3/89
- 28-5 XXIII Genl Assem of the Intl Union of Radio Sci Prague, Czechoslovakia See issue: 3/89
- ### SEPTEMBER 1990
- 2-7 Intl Symp on Metal-Hydrogen Systems Banff, Alberta, Canada Contact: F. D. Manchester, Ctr for Metal Hydride Studies, McLennan Physical Labs, Univ of Toronto, Toronto, Ontario M5S 1A7, Canada
- 3-7 Chapman Conf on Magnetospheric Substorms Hakone, Japan See issue: 11/89
- 3-7 1st Intl Conf on F-Elements Leuven, Belgium See issue: 9/89
- 3-7 6th Europhysics Top Conf: Lattice Defects in Ionic Materials Groningen, The Netherlands See issue: 9/89
- 4-8 8th Genl Conf of the Eur Phys Soc Amsterdam, The Netherlands See issue: 3/89
- 5-7 Thermal Stability and Flammability of Polymers and Composites Glasgow, UK Contact: N. S. Allen, Dept of Chem, John Dalton Faculty of Tech, Manchester Polytechnic, Chester St, Manchester M1 5GD, UK
- 5-7 Conf on Analysis by Ion-Beam and Surface-Specific Techniques Namur, Belgium See issue: 1/90
- 5-12 Intl Wksp of Plasma Phys on Controlled Active Global Exper Varenna, Italy See issue: 11/89
- 9-14 Congress Ampère on Magnetic Resonance Stuttgart, FRG Contact: J. U. von Schütz, 3. Physikalisches Institut, Pfaffenwaldring 57, FRG
- 9-14 7th Intl Conf on Ion Beam Modification of Materials Knoxville, TN See issue: 11/89
- 9-14 8th Intl Conf on Atomic Masses and Fundamental Constants Jerusalem, Israel See issue: 9/89
- 10-13 Europhys Conf on Computational Phys (2nd Intl Computational Phys Conf) Amsterdam, The Netherlands See issue: 9/89
- 10-13 Eur Solid-State Device Res Conf Nottingham, UK See issue: 9/89
- 10-14 5th Intl Symp on Small Particles and Inorganic Clusters Konstanz, FRG See issue: 1/90
- 10-14 6th Intl Conf on Vibrations at Surfaces Upton, NY See issue: 11/89
- 10-14 8th Intl Symp on Gas Flow and Chemical Lasers Madrid, Spain See issue: 9/89
- 10-20 NATO Adv Study Inst on Apps of Metallic and Ceramic Superconductivity Fort Collins, CO See issue: 9/89
- 16-21 5th Intl Symp on Resonance Ionization Spectroscopy and Its Apps Varese, Italy See issue: 1/90
- 16-21 OE/Fibers 90 San Jose, CA See issue: 9/89
- 17-19 Intl Conf on Electronic Materials Newark, NJ See issue: 11/89
- 17-21 12th Intl Free-Electron Laser Conf Paris, France Contact: Secrétariat FEL 90 [Tel. 60-19-41-15] Laboratoire de Physique des Milieux Ionisés, Ecole Polytechnique, 91128 Palaiseau, France
- 18-22 6th Interdisciplinary Laser Sci Conf Minneapolis, MN See issue: 1/90
- 23-27 2nd Intl Conf on New Diamond Sciences and Technol Crystal City, VA See issue: 11/89
- 24-27 Eur Gallium Arsenide Conf St Helier, Jersey, Channel Islands See issue: 3/89
- 24-28 5th Intl Conf on Multiphoton Processes Paris, France Contact: Gérard Mainfray, Bât. 462, CEN/Saclay, 91191 Gif-sur-Yvette, France

24-28 Appl Superconductivity Conf
Aspen, CO See issue: 11/89

OCTOBER 1990

- 1-5 3rd Intl Topical Mtg on Optics of Liquid Crystals Cetraro, Italy Contact: Bianca D'Amato, OLC '90 [Tel. (081) 7682423] Dipartimento di Scienze Fisiche, Università di Napoli, Piazzale Tecchio 80, 80125 Napoli, Italy [15 May 90]
- 1-5 3rd Eur Polymer Federation Symp on Polymeric Materials Sorrento, Italy Contact: EPF90 Secretariat Sorrento Palace Hotel, Conference Centre, Via S. Antonio, 80067 Sorrento (NA), Italy
- 1-5 5th Symp on Surface Phys Liblice, Czechoslovakia See issue: 9/89
- 2-4 Visual Communications and Image Processing 90 Lausanne, Switzerland See issue: 1/90
- 2-5 Intl Conf on Gamma-Ray Astron Ann Arbor, MI Contact: Laura Phillips [Tel. (313) 764-4443] The Univ of Michigan, Harrison M. Randall Lab of Phys, 500 East University, Ann Arbor, MI 48109-1120
- 8-12 37th Natl AVS Symp Toronto, Canada See issue: 1/90
- 10-13 Instability, Chaos and Predictability in Celestial Mech and Stellar Dynamics Delhi, India See issue: 9/89
- 15-20 Intl Symp on Molecular Modeling: Theory and Experiment Schloss, FRG Contact: K. Thewes [Tel. 0208-306488] Max-Planck-Institut für Kohlenforschung, Kaiser-Wilhelm-Patz 1, D-4330 Mulheim a.d. Ruhr
- 15-24 Wksp on Phys of Alternative Magnetic Confinement: Reversed Field Pinches, Compact Tori, Mirrors, High Density Z Pinches Varenna, Italy See issue: 1/90
- 21-25 62nd Ann Mtg S of R Santa Fe, NM See issue: 1/90
- 24-26 Nucl Sci Symp Washington, DC See issue: 9/89
- 29-2 Materials and Devices for Optoelectronics Aachen, FRG See issue: 1/90

NOVEMBER 1990

- 1-3 Conf on Phys Beyond the Standard Model Norman, OK Contact: Kimball A. Milton [Tel. (405) 325-3961] Dept of Phys and Astron, Univ of Oklahoma, Norman, OK 73019-0225 Note augmented title and revised address for contact
- 4-7 Conf of the Soc for Exper Mechanics Baltimore, MD Contact: Karl A. Stetson [Tel. (203) 790-6373] c/o Soc for Exper Mechanics Inc, 7 School St, Bethel, CT 06801
- 4-9 OSA Ann Mtg and OPTCON Boston, MA See issue: 3/89
- 5-8 16th Space Simulation Conf Albuquerque, NM See issue: 1/90
- 5-8 11th Intl Conf on the Appl of Accelerators in Rsch and Industry Denton, TX See issue: 1/90
- 9-10 Mtg of the Texas Sections of AAPM and APS and Zone 10 of SPS Texas City, TX Contact: John L. Hubisz [Tel. (409) 938-1211] Div of Nat Sci and Math, College of the Mainland, Texas City, TX 77591

12-16 Mtg of APS Div of Plasma Phys Cincinnati, OH See issue: 1/90

- 13-15 2nd Intl Ceramic Sci and Tech Cong Orlando, FL Contact: The Amer Ceramic Soc [Tel. (614) 890-4700] 757 Brookside Plaza Dr, Westerville, OH 43081-6136
- 15-17 Mtg of Southeastern Sec of APS Atlanta, GA See issue: 1/90
- 19-24 Asia-Pacific Conf on Optical Tech Singapore Contact: S. C. Tam, Nanyang Technological Inst, Sch of Mech and Production Eng, Nanyang Ave, Singapore 2263

25-30 AAPM-RSNA Mtg Chicago, IL See issue: 7/88

26-30 MRS Fall Mtg Boston, MA See issue: 7/88

26-30 120th Mtg ASA San Diego, CA See issue: 7/88

DECEMBER 1990

- 3-7 AGU Fall Mtg San Francisco, CA See issue: 7/88
- 16-21 15th Texas Symp on Relativistic Astrophys and 4th ESO-CERN Symp Brighton, UK Contact: Leon Mestel [Tel. ...]

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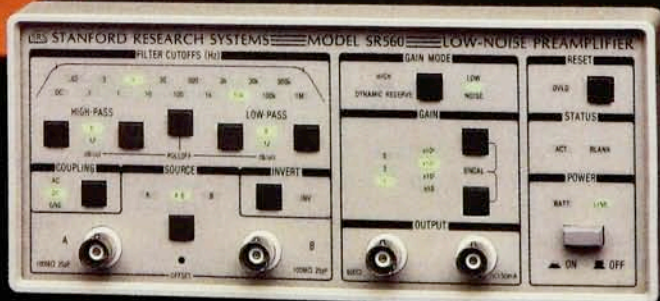
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JANUARY 1991

- **13-17 177th Mtg AAS** Philadelphia, PA Contact: AAS [Tel. (202) 328-2010] 2000 Florida Ave NW, Suite 300, Washington, DC 20009
- **20-25 Optics, Electro-Optics and Laser Apps in Sci and Eng** Los Angeles, CA Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010

- **21-24 AAPT/APS Annl Joint Mtg** San Antonio, TX Contact: AAPT [Tel. (301) 345-4200] 5112 Berwyn Road, College Park, MD 20740

FEBRUARY 1991

- **5-6 Parallel Methods on Large-Scale Structural Analysis and Phys Apps** Hampton, VA Contact: Olaf O. Storaasli [Tel. (804) 864-2927] Mail Stop 244, NASA Langley Rsch Ctr, Hampton, VA 23665-5225 [1 June 90]

- **17-23 6th Lake Louise Winter Inst: Particle Phys—the Factory Era** Lake Louise, Canada Contact: Sctry, Lake Louise Winter Inst [Tel. (403) 492-1052] Dept of Phys, Univ of Alberta, Edmonton, Canada T6G 2J1

MARCH 1991

- **3-8 Symp on Microlithography** San Jose, CA Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010
- 18-22 APS March Mtg** Cincinnati, OH See issue: 9/89

APRIL 1991

- **1-5 Tech Symp on Optics, Electro-Optics and Sensors** Orlando, FL Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010
- **8-12 Ann Mtg of the Eur Phys Soc Condensed Matter Div** Devon, UK Contact: The Meetings Office [Tel. 01-235 6111] The Inst of Phys, 47 Belgrave Square, London SW1X8QX, UK
- 15-17 Frontiers of Tribology** Stratford Upon Avon, UK See issue: 9/89
- **15-18 APS Spring Mtg** Washington, DC Contact: APS [Tel. (212) 682-7341] 335 E 45th St, New York, NY 10017
- **22-26 XVI Genl Assembly of the Eur Geophys Soc** Wiesbaden, FRG Contact: EGS Office [Tel. (49) 5556-1440] Postfach 49, 3411 Kallenberg-Lindau, FRG [31 Jan 91]
- **28-3 121st Mtg ASA** Baltimore, MD Contact: ASA [Tel. (516) 349-7800] 500 Sunnyside Blvd, Woodbury, NY 11797-2999

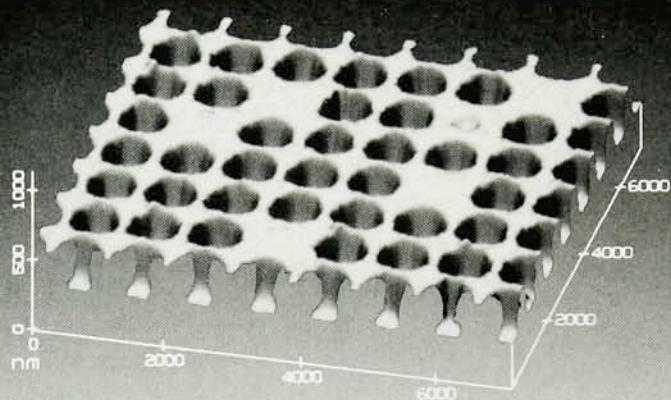
MAY 1991

- 5-11 3rd Eur Conf on Crystal Growth** Budapest, Hungary See issue: 9/89
- 6-9 Particle Accel Conf** San Francisco, CA See issue: 9/89
- **26-30 178th Mtg AAS** Seattle, WA Contact: AAS [Tel. (202) 328-2010] 2000 Florida Ave NW, Suite 300, Washington, DC 20009
- **28-1 AGU Spring Mtg** Baltimore, MD Contact: AGU [Tel. (202) 462-6903] 2000 Florida Ave NW, Washington, DC 20009

JUNE 1991

- 2-4 Conf on Plasma Sci** Williamsburg, VA See issue: 9/89
- **3-7 18th Eur Conf on Controlled Fusion and Plasma Phys** Berlin, Germany (GDR) Contact: J. Lingertat, Akad der Wissenschaften, Zentralinst. f. Elektronenphysik, Hausvogteiplatz 5-7, DR 1086 Berlin, Germany (GDR)
- **10-14 5th Intl Symp on Radiation Phys** Dubrovnik, Yugoslavia Contact: A. Ljubičić [Tel. (41) 434-426] ISRP-5, Ruder Bošković Inst, PO Box 1016, 41001 Zagreb, Yugoslavia [15 Apr 91]
- **18-21 Real-Time Computer Appl in Nuclear, Particle and Plasma Phys** FRG Contact: Richard T. Kouzes [Tel. (609) 258-4425] Dept of Phys, Princeton Univ, Jadwin Hall, PO Box 708, Princeton, NJ 08544

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JULY 1991

- **21-25 Annl Mtg AAPM** San Francisco, CA Contact: AAPM [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017
- **21-26 35th Ann Intl Tech Symp on Optical and Optoelectronic Appl Sci and Eng** San Diego, CA Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010
- **21-26 Annl Mtg ACA** Toledo, OH Contact: ACA [Tel. (716) 856-9600] Box 96, Ellicott Station, Buffalo, NY 14205
- **22-26 13th IMACS World Cong on Computation and Appl Math** Dublin, Ireland Contact: John J. H. Miller, General Chairman, IMACS '91, PO Box 5, Dun Laoghaire, Co. Dublin, Ireland
- **22-26 11th Intl Conf on Molecular Energy Transfer** Nijmegen, The Netherlands Contact: J. Reuss, Dept of Molecular and Laser Phys, Faculty of Sci, Univ of Nijmegen, Toernooiveld, 6525 ED Nijmegen, The Netherlands

AUGUST 1991

- **26-30 12th Intl Mass Spectrometry Conf** Amsterdam, The Netherlands Contact: RAI Organisatie Bureau Amsterdam, Europaplein 12, NL-1078 GZ Amsterdam
- **27-6 Wksp on Diagnostics for Contemporary Fusion Experiments** Varenna, Italy Contact: E. Sindoni [Tel. (2) 2392267] ISSP, 16 Via Celoria-20133 Milano, Italy [15 June 91]

SEPTEMBER 1991

- **1-7 Intl Conf on Magnetism** Edinburgh, UK [IUPAP] Contact: Mtgs Officer, IOP, 47 Belgrave Sq, London SW1X 8QX
- **3-6 OE/FIBERS 91** Boston, MA Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010
- **9-17 Wksp on High-Power Microwave Generation and Apps** Varenna, Italy Contact: E. Sindoni [Tel. (2) 2392267] ISSP, 16 Via Celoria-20133 Milano, Italy [15 June 91]
- **15-20 Symp on Microelectronic Interconnect and Integrated Processing** San Jose, CA Contact: SPIE [Tel. (206) 676-3290] PO Box 10, Bellingham, WA 98227-0010
- **22-25 5th Conf on Sensors and Their Apps** Edinburgh, UK Contact: The Meetings Office [Tel. 01-235-6111] The Inst of Phys, 47 Belgrave Square, London SW1X8QX
- **30-2 Speciality Polymers '91** Mainz, FRG Contact: Conference Organizer, SP '91, Butterworth Scientific Ltd, PO Box 63, Westbury House, Bury St, Guildford, Surrey, GU2 5BH, UK

OCTOBER 1991

- **14-18 4th Eur Conf on Apps of Surface and Interface Analysis** Budapest, Hungary Contact: L. Kövér, Inst of Nuclear Res of the Hungarian Acad of Sciences, MTA ATOMKI, H-4001 Debrecen, Pf 51, Hungary
- **20-24 63rd Annl Mtg S of R** Rochester, NY Contact: S of R [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

NOVEMBER 1991

- **4-8 Mtg of APS Div of Plasma Phys** Tampa, FL Contact: APS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017
- **4-8 122nd Mtg ASA** Houston, TX Contact: ASA [Tel. (516) 349-7800] 500 Sunnyside Blvd, Woodbury, NY 11797-2999
- **11-15 38th Natl AVS Symp** Seattle, WA Contact: AVS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

DECEMBER 1991

- **9-13 AGU Fall Mtg** San Francisco, CA Contact: AGU [Tel. (202) 462-6903] 2000 Florida Ave NW, Washington, DC 20009

MARCH 1992

- **16-20 APS March Mtg** Indianapolis, IN Contact: APS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

APRIL 1992

- **6-10 XVII Genl Assembly of the Eur Geophys Soc** Edinburgh, Scotland Contact: EGS Office [Tel. (49) 5556-1440] Postfach 49, D-3411 Katlenburg-Lindau, FRG [15 Jan 92]

MAY 1992

- **11-15 123rd Mtg ASA** Salt Lake City, UT Contact: ASA [Tel. (516) 349-7800] 500 Sunnyside Blvd, Woodbury, NY 11797-2999

JUNE 1992

- **1-3 Conf on Plasma Sci** Tampa, FL Contact: Norman L. Oleson [Tel. (813) 974-2658] Univ of So Florida, Dept of Phys, Tampa, FL 33620

AUGUST 1992

- **17-21 Intl Cong on Rheology** Brussels, Belgium Contact: S of R [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017
- **23-27 Annl Mtg AAPM** Calgary, Canada Contact: AAPM [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

SEPTEMBER 1992

- **7-12 10th Eur Cong on Electron Microscopy** Granada, Spain Contact: Antonio Rios [Tel. (958) 202212 ext 258] Dept of Cell Biol, Faculty of Sciences, Univ of Granada, 18071 Granada, Spain

NOVEMBER 1992

- **9-13 Mtg of APS Div of Plasma Phys** Seattle, WA Contact: APS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017
- **9-13 39th Natl AVS Symp** Chicago, IL Contact: AVS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

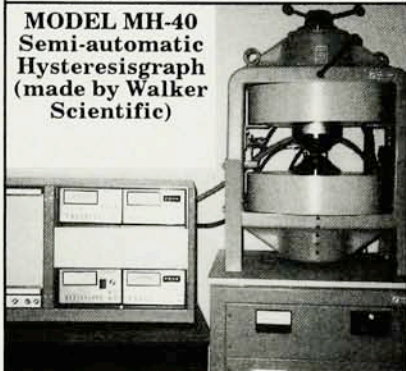
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- **22-26 APS March Mtg** Seattle, WA Contact: APS [Tel. (212) 661-9404] 335 E 45th St, New York, NY 10017

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