

CALENDAR

FEBRUARY 1993

- 1-4 Smart Structures and Materials** Albuquerque, NM *Contact:* SPIE
- 1-26 Theor and Exper Radiopropagation Phys** Trieste, Italy *Contact:* ICTP
- 7-10 64th Ann Mtg of S of R** Santa Barbara, CA *Contact:* S of R, 335 E 45th St, New York, NY 10017-3483
- 8-26 Winter College on Optics** Trieste, Italy *Contact:* ICTP
- **10-13 Soft X Rays in the 21st Century** Provo, UT *Contact:* Larry Knight, Dept of Phys and Astron, Brigham Young Univ, Provo, UT 84602 [E-mail: allred@xray.byu.edu]
- 11-16 Ann Mtg of AAAS** Boston, MA *Contact:* Rolf Sinclair, Phys Div, NSF, Washington, DC 20550
- 14-18 Med Imaging** Newport Beach, CA *Contact:* SPIE
- 21-25 Ann Mtg of Minerals, Metals and Materials Soc** Denver, CO *Contact:* Marlene Karl, TMS, 420 Commonwealth Drive, Warrendale, PA 15086
- 21-25 Exper Methods for Materials Sci Rsch** Denver, CO *Contact:* William Hofmeister, Dept of Materials Sci and Eng, Box 1593, Station B, Vanderbilt Univ, Nashville, TN 37235
- 21-26 Symp on the Interphase** Williamsburg, VA *Contact:* Louis Sharpe, Dept of Materials Sci and Eng, ML 12, Univ of Cincinnati, Cincinnati, OH 45221
- 21-26 Opt Fiber Communications** San Jose, CA *Contact:* OSA
- **22-24 Microwave-Absorbing Materials for Accelerators** Newport News, VA

Contact: Paul Wheeler, MS 58B, CEBAF, 12000 Jefferson Ave, Newport News, VA 23606-1909

- **24-5 Substructures of Matter as Revealed with Electroweak Probes** Schlading, Austria *Contact:* W. Plessas, Inst for Theor Phys, Univ of Graz, Universitätsplatz 5, A-8010 Graz, Austria [E-mail: utp@edvz.uni-graz.ada.at]
- **28-3 Solid-State Nuclear Magnetic Resonance Spectroscopy of Polymers** Keystone, CO *Contact:* Alan D. English, Du Pont, PO Box 80356, Wilmington, DE 19880-0356
- 28-5 Symp on Microlithography** San Jose, CA *Contact:* SPIE

MARCH 1993

- 2-5 Quantum Interferometry** Trieste, Italy *Contact:* ICTP
- 4-6 Symp on the Arts and Tech** New London, CT *Contact:* M. Monce, Dept of Phys and Astron, Connecticut College, New London, CT 06320
- **6-7 Public Interest Sci Conf** Eugene, OR *Contact:* Len Broberg, Dept of Bio, Univ of Oregon, Eugene, OR 97403
- 8-12 Highlights of Particle and Condensed Matter Phys** Trieste, Italy *Contact:* ICTP
- 12-13 Joint Mtg of Texas Sections of APS, AAPT and SPS** Edinburg, TX *Contact:* Richard Bartels, Phys Dept, Trinity Univ, San Antonio, TX 78212
- 13-20 Sanibel Symp** St. Augustine, FL *Contact:* Sanibel Symp, 362 Williamston Hall, Univ of Florida, Gainesville, FL 32611-2085

14-18 Exper Nuclear Magnetic Resonance St. Louis, MO *Contact:* Exper Nmr Conf, 815 Don Gaspar, Santa Fe, NM 87501

- **15-17 Leonardo Da Vinci and the Myth of Genius** Stony Brook, NY *Contact:* Lester Paldy, Ctr for Sci, Mathematics and Tech Education, Harriman Hall, Rm 202, State Univ of New York, Stony Brook, NY 11794-3733
- 15-19 Lunar and Planetary Sci Conf** Houston, TX *Contact:* Pamela Jones, LPI Prog Services Dept, 3600 Bay Area Blvd, Houston, TX 77058
- 15-2 Wksp on Representation Theory of Lie Groups** Trieste, Italy *Contact:* ICTP
- **21-25 Organometallic Vapor Phase Epitaxy** Palm Springs, CA *Contact:* Barbara Kamperman, TMS, 420 Commonwealth Drive, Warrendale, PA 15086-7514
- 22-24 Dynamics of Disordered Materials** Grenoble, France *Contact:* W. Petry, Institut Laue-Langevin, BP 156, F-38042 Grenoble Cedex 9, France
- 22-24 Robotic Observatories: 1st Decade** Tucson, AZ *Contact:* B. Rafert, Florida Inst of Tech, Dept of Phys and Space Sci, 150 West Univ Blvd, Melbourne, FL 32901-6988
- 22-25 Reliability Phys Symp** Atlanta, GA *Contact:* J. W. McPherson, Texas Instruments, PO Box 655012, MS 385, 13353 Floyd Rd, Dallas, TX 75265
- 22-26 APS March Mtg** Seattle, WA *Contact:* APS

Please note: Complete information is now given for all listings. New listings are marked ● and newly revised listings are marked ○. Addresses for frequently listed organizations are given in the accompanying table. The complete listings are coded as follows:

date title location contact

§ 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
AAPM American Association of Physicists in Medicine
AAPT American Association of Physics Teachers
AAS American Astronomical Society
ACA American Crystallographic Association
AGU American Geophysical Union
ANS American Nuclear Society
APS American Physical Society
ASA Acoustical Society of America
AVS American Vacuum Society
BNL Brookhaven National Laboratory
CNRS Centre National de la Recherche Scientifique
DOE Department of Energy
DPG Deutsche Physikalische Gesellschaft
EPS European Physical Society
ESF European Science Foundation
IAEA International Atomic Energy Agency
IAU International Astronomical Union
ICTP International Centre for Theoretical Physics

IEEE Institute of Electrical and Electronics Engineers
IOP Institute of Physics (London)
IUPAC International Union of Pure and Applied Chemistry
IUPAP International Union of Pure and Applied Physics
LANL Los Alamos National Laboratory
LBL Lawrence Berkeley Laboratory
LLNL Lawrence Livermore National Laboratory
MRS Materials Research Society
NAS National Academy of Sciences
NIST National Institute of Standards and Technology
NRC Nuclear Regulatory Commission
NRL Naval Research Laboratory
NSF National Science Foundation
ORNL Oak Ridge National Laboratory
OSA Optical Society of America
S of R Society of Rheology
SPIE International Society for Optical Engineering
SPS Society of Physics Students

ADDRESS KEY

Addresses for some frequently listed organizations are given below.

AAPM 335 E 45th St, New York, NY 10017 [Tel. (212) 661-7026]
AAPT 5112 Berwyn Rd, College Park, MD 20740 [Tel. (301) 345-4200]
AAS 1630 Connecticut Ave NW, Washington, DC 20009 [Tel. (202) 328-2010]
AGU 1630 Connecticut Ave NW, Washington, DC 20009 [Tel. (202) 462-6903]
ANS 555 N Kensington Ave, La Grange Park, IL 60525 [Tel. (708) 352-6611]
APS 335 E 45th Street, New York, NY 10017 [Tel. (212) 682-7341]
ASA 500 Sunnyside Blvd, Woodbury, NY 11797-2999 [Tel. (516) 576 2360]
AVS 335 E 45th Street, New York, NY 10017 [Tel. (212) 661-9404]
ESF 1 quai Lezay-Marnésia, F-67080 Strasbourg, France [Tel. (33) 88 76 71 35]
ICTP PO Box 586, 34100 Trieste, Italy [Fax (39)(40) 224163]
MRS 9800 McKnight Rd, Pittsburgh, PA 15237 [Tel. (412) 367-3003]
OSA 2010 Massachusetts Ave NW, Washington, DC 20036 [Tel. (202) 223-8130]
SPIE PO Box 10, Bellingham, WA 98227-0010 [Tel. (206) 676-3290]

29-1 Ann Mtg of Physical Soc of Japan Sendai, Japan *Contact:* Physical Soc of Japan, Rm 211, Kikai-Shinko Bldg, 3-5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan

31-1 Ultraviolet Radiation in Medicine York, England *Contact:* Diane Crawford, Joint Dept of Phys, Inst of Cancer Rsch, Royal Marsden Hospital, Down's Rd, Sutton, Surrey SM2 5PT, England

APRIL 1993

- **1-3 The Creative Process in Sci and Art** Stony Brook, NY *Contact:* Lester Paldy, Ctr for Sci, Mathematics and Tech Education, Harriman Hall, Rm 202, State Univ of New York, Stony Brook, NY 11794-3733
- **4-8 Low-Energy Muon Sci** Santa Fe, NM *Contact:* LEMS 93, MP-VC, MS H831, LANL, Los Alamos, NM 87545
- 5-7 Sci and Tech in Third World Development** Glasgow, Scotland *Contact:* Richard Heeks, IDPM, Manchester Univ, Precinct Ctr, Manchester M13 9QS, UK
- 5-7 Ion-Beam and Surface-Specific Analysis Techniques** Namur, Belgium *Contact:* G. Demortier, LARN, Facultés Universitaires, N-D de la Paix, 22 rue Muze, B-5000 Namur, Belgium
- 5-8 Global Warming Sci and Policy Intl Conf** Chicago, IL *Contact:* Sinyan Shen, Natural Resource Management Div, Supcon Intl, One Heritage Plaza, Woodridge, IL 60517-0275
- 5-8 Microscopy of Semiconducting Materials** Oxford, UK *Contact:* A. G. Culis, DRA Malvern, St. Andrews Rd, Malvern, Worcs WR14 3PS, UK
- 7-8 Ann Mtg of Natl Council on Radiation Protection and Measurements** Arlington, VA *Contact:* NCRP, 7910 Woodmont Ave, Ste 800, Bethesda, MD 20814-3095
- 12-15 APS/AAPT Joint Spring Mtg** Washington, DC *Contact:* APS
- 12-16 Opt Eng and Photonics in Aerospace Sci and Sensing** Orlando, FL *Contact:* SPIE
- 12-16 MRS Spring Mtg** San Francisco, CA *Contact:* MRS
- **13-16 Wear of Materials** San Francisco, CA *Contact:* Conf Secretariat, Conf Organizers in Medicine, Sci and Tech, PO Box 415, 1001 Lausanne 1, Switzerland
- 13-16 Intermag '93** Stockholm, Sweden *Contact:* John Nyenhuis, 1285 Electrical Eng Bldg, Purdue Univ, West Lafayette, IN 47907-1285
- 13-23 Phase Transitions and Relaxation in Sys with Competing Energy Scales** Geilo, Norway *Contact:* G. Jarrett, Institutt for Energiteknikk, POB 40, N-2007 Kjeller, Norway [E-mail: gerd@barney.ife.no]
- 14-16 Computers in Univ Phys Education** Sydney, Australia *Contact:* M. A. Oldfield, Sch of Phys A28, Univ of Sydney, Sydney, NSW 2006, Australia [E-mail: mao@physics.su.oz.au]
- 14-16 Ann Mtg of Seismological Soc of America** Ixtapa-Zihuatanejo, Mexico *Contact:* Prog Chair, c/o SSA, 201 Plaza Professional Bldg, El Cerrito, CA 94530
- **15-17 Grand Unification: From Quantum Ideas, Via Relativity to Cosmology** Stony Brook, NY *Contact:* Lester Paldy,

Ctr for Sci, Mathematics and Tech Education, Harriman Hall, Rm 202, State Univ of NY, Stony Brook, NY 11794-3733

- **19-21 Intl Symp on Integrated Ferroelectrics** Colorado Springs, CO *Contact:* Alona Miller, ISIF Coordinator, Univ of Colorado, PO Box 7150, Colorado Springs, CO 80933-7150
- 19-30 Spring Sch and Wksp on Superstrings** Trieste, Italy *Contact:* ICTP
- 20-23 Dense Z Pinches** London, England *Contact:* M. Coppins, Blackett Lab, Imperial College, London SW7 2BZ, England
- 21-23 Scanning '93** Orlando, FL *Contact:* Mary Sullivan, Scanning '93, PO Box 832, Mahwah, NJ 07430
- 21-23 3-D Conformal Therapy** St. Louis, MO *Contact:* Bahman Emami, Radiation Oncology Ctr, Mallinckrodt Inst of Radiology, 4939 Children's Pl, Ste 5500, St. Louis, MO 63110
- 22-28 Solar Emerging: The Reality** Washington, DC *Contact:* Amer Solar Energy Soc, 2400 Central Ave, G-1, Boulder, CO 80301
- 25-29 High-Level Radioactive Waste Management** Las Vegas, NV *Contact:* William Wells, Howard Hughes College of Eng, Univ of Nevada, 4505 Maryland Parkway, Las Vegas, NV 89154
- **26-30 Wksp on Phys and Experiments with Linear e^+e^- Colliders** Waikoloa, HI *Contact:* Frederick Harris, Dept of Phys and Astron, Univ of Hawaii, 2505 Correa Rd, Honolulu, HI 96822
- **27-30 Small Angle Scattering of X Rays and Neutrons** Saclay, France *Contact:* J.-P. Cotton, Lab Léon Brillouin, CEN-Saclay, F-91191 Gif-sur-Yvette Cedex, France
- 29-1 Ann Mtg of Amer College of Med Phys** Destin, FL *Contact:* ACMP, 1891 Preston White Drive, Reston, VA 22091

MAY 1993

- 2-7 Conf on Lasers and Electro-Optics/Quantum Electronics and Laser Sci** Baltimore, MD *Contact:* OSA
- 3-7 Perspectives in Nucl Phys at Intermediate Energies** Trieste, Italy *Contact:* ICTP
- 3-14 Qualitative Aspects and Applications of Nonlinear Evolution Equations** Trieste, Italy *Contact:* ICTP
- **6-8 The Atom Bomb in History and Culture** Stony Brook, NY *Contact:* Lester Paldy, Ctr for Sci, Mathematics and Tech Education, Harriman Hall, Rm 202, State Univ of New York, Stony Brook, NY 11794-3733
- 9-14 Ann Conf of Society for Imaging Sci and Tech** Cambridge, MA *Contact:* Michael R. Lee, Polaroid Corp, 1265 Main St, W4-2G, Waltham, MA 02154-1799
- 10-14 Intercalation Compounds** Louvain-la-Neuve, Belgium *Contact:* J.-P. Issi, Unité PCPM, 1, place Croix du Sud, B-1348 Louvain-la-Neuve, Belgium
- 10-21 Middle and Upper Atmosphere Interactions** Trieste, Italy *Contact:* ICTP
- **12-22 Modern Aspects of Small Angle Scattering** Como, Italy *Contact:* Centro di Cultura Scientifica A. Volta, Villa Olmo, 22100 Como, Italy *Note revised title, dates*

17-19 Mtg of APS Div of Atomic, Molecular and Opt Phys Reno, NV *Contact:* APS

17-20 Particle Accelerator Conf Washington, DC *Contact:* Christoph Lee-mann, CERN, 12000 Jefferson Ave, Newport News, VA 23606

17-21 125th Mtg of ASA Ottawa, Canada *Contact:* ASA

17-29 Materials and Crystallographic Aspects of High- T_c Superconductivity Erice, Italy *Contact:* L. Riva di Sanseverino, Intl Sch of Crystallography, Piazza Porta San Donato 1, 40126 Bologna, Italy

17-11 College on Plasma Phys Trieste, Italy *Contact:* ICTP

17-11 College on Computational Phys Trieste, Italy *Contact:* ICTP

- **18-21 Opt Radiation Measurements in Natl Standardizing Labs** Gaithersburg, MD *Contact:* Norbert Johnson, 3M Company, 3M Ctr 582-1-15, St. Paul, MN 55144-1000

23-27 Polarized Ion Sources and Polarized Gas Targets Madison, WI *Contact:* L. W. Anderson, Dept of Phys, Univ of Wisconsin, 1150 University Ave, Madison, WI 53706

23-28 ACA Mtg Albuquerque, NM *Contact:* Allen Larson, LANSE-89-025, A805, LANL, Los Alamos, NM 87455

24-28 Physical Concepts and Materials for Novel Optoelectronic Device Applications Trieste, Italy *Contact:* SPIE

24-28 Crystallography of Biological Macromolecules Como, Italy *Contact:* Centro di Cultura Scientifica A. Volta, Villa Olmo, 22100 Como, Italy

24-28 Refractory Metals and Hard Materials Reutte, Austria *Contact:* Ralf Eck, Metallwerk Plansee GmbH, A-6600 Reutte, Austria

24-28 AGU Spring Mtg Baltimore, MD *Contact:* AGU

- **27-28 Sputtering and Plasma Processes** Tokyo, Japan *Contact:* Eiji Kusano, Nippon Sheet Glass, 2 Chitose-cho, Yokkaichi City, Mie Prefecture, 510 Japan
- 30-3 Metallization of Polymers** Montreal, Canada *Contact:* Edward Sacher, Dept of Eng Phys, Ecole Polytechnique, PO Box 6079, Station A, Montreal, Quebec H3C 3A7, Canada
- **30-25 Complex Sys Sum Sch** Santa Fe, NM *Contact:* G. Richardson, Santa Fe Inst, 1660 Old Pecos Trail, Ste A, Santa Fe, NM 87501
- 31-4 Phys Computing '93** Albuquerque, NM *Contact:* APS
- 31-4 Fundamentals of Fracture** Fukushima, Japan *Contact:* Robb Thomson, NIST, Gaithersburg, MD 20899

JUNE 1993

1-4 Electron, Ion and Photon Beams Conf San Diego, CA *Contact:* Franco Cerina, Ctr for X-Ray Lithography, 3731 Schneider Drive, Stoughton, WI 53589

2-4 Lars Onsager Symp Trondheim, Norway *Contact:* Onsager Symp, NTH, 7034 Trondheim, Norway [E-mail: onsager93@imf.unit.no]

3-6 Opt Spectroscopic Instrumentation and Techniques Albuquerque, NM *Contact:* SPIE

CALENDAR

6-10 182nd Mtg of AAS Berkeley, CA
Contact: AAS

6-12 Materials Processing in High Gravity Potsdam, NY Contact: Liya Regel, Intl Ctr for Gravity Materials Sci and Applications, 320 CAMP Bldg, Clarkson Univ, Potsdam, NY 13699-5700

7-9 Conf on Plasma Sci Vancouver, Canada Contact: Andrew Ng, Univ of British Columbia, Dept of Phys, 6224 Agricultural Rd, Vancouver, BC V6T 2A6, Canada

● **7-11 Nondestructive Characterization of Materials** Oahu, HI Contact: Debbie Harris, Ctr for Nondestructive Evaluation, 102 Maryland Hall, Johns Hopkins Univ, Baltimore, MD 21218

● **8-10 Atomic Force Microscopy/Scanning Tunneling Microscopy Symp** Natick, MA Contact: Mona Bray, Office of Director, US Army Soldier Sci Directorate, Natick Rsch, Development and Eng Ctr, Natick, MA 01760

8-11 Real-Time Computer Applications in Nuclear, Particle and Plasma Phys Vancouver, Canada Contact: Renee Poutissou, TRIUMF, 4004 Wesbrook Mall, Vancouver, BC V6T 2A3, Canada

9-11 Symp on Applied Surface Analysis Cleveland, OH Contact: Jeffrey Eldridge, NASA Lewis Rsch Ctr, MS 23-2, 21000 Brookpark Rd, Cleveland, OH 44135

● **13-18 Wksp on g-Jitter** Contact: Liya Regel, Intl Ctr for Gravity Materials Sci and Applications, 320 CAMP Bldg, Clarkson Univ, Potsdam, NY 13699-5700

13-18 Biennial Conf on Carbon Buffalo, NY Contact: D. Chung, Composite Materials Rsch Lab, Furnas Hall, State Univ of New York, Buffalo, NY 14260

● **14-17 Coherent States: Past, Present and Future** Oak Ridge, TN Contact: C. Bottcher, Phys Div, MS 6373, Bldg 6003, ORNL, PO Box 2008, Oak Ridge, TN 37831-6373

● **14-18 Equations of State in Astrophys** St.-Malo, France Contact: G. Chambrier, Ecole Normale Supérieure de Lyon, Dept de Physique, 47 Allée d'Italie, 69364 Lyon Cedex, France

14-13 Aug Sum Sch in High-Energy Phys Trieste, Italy Contact: ICTP

● **16-18 Phys in Collision** Heidelberg, Germany Contact: Conf Sekretariat, Inst für Hochenergiephysik, Univ of Heidelberg, Schroeder Strasse 90, D-6900 Heidelberg, Germany [E-mail: physcoll@vm.ihep.uni-heidelberg.de]

16-30 NATO ASI on Nonlinear Spectroscopy of Solids Erice, Italy Contact: B. Di Bartolo, Dept of Phys, Boston College, Chestnut Hill, MA 02167

17-18 Critical Phenomena in Polymer Phys Kingston, Canada Contact: A. J. Barrett, Dept of Math, Royal Military College, Kingston, Ontario K7K 5L0, Canada

● **19-25 Concepts of Magnetic Resonance** Kiawah Island, SC Contact: Allan Johnson, Dept of Radiology, Box 3302, Duke Univ Med Ctr, Durham, NC 27710

20-24 Ann Mtg of ANS Las Vegas, NV Contact: ANS

21-9 Strongly Correlated Electron Sys Trieste, Italy Contact: ICTP

21-25 Symp on Exper Gravitation Nathiagali, Pakistan Contact: Munawar Karim, Dept of Phys, Expgrav I, St. John

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Fisher College, Rochester, NY 14618

21-3 Sep Rsch Wksp in Condensed Matter, Atomic and Molecular Phys Trieste, Italy *Contact:* ICTP

22-25 Fermi Liquids vs Non-Fermi Liquids Trieste, Italy *Contact:* ICTP

22-27 Phys in Ukraine Kiev, Ukraine *Contact:* A. G. Sitenko, Inst for Theor Phys, 252143 Kiev, Ukraine [E-mail: nmakovsky@glas.apc.org]

27-1 Fullerenes '93 Santa Barbara, CA *Contact:* Kim Cavellero, Pergamon Seminars, 660 White Plains Rd, Tarrytown, NY 10591-5153

● **28-2 Atomic and Nuclear Clusters** Santorini, Greece *Contact:* G. S. Anagnostatos, Inst of Nuclear Phys, Natl Ctr for Scientific Rsch Demokritos, Aghia Paraskevi, Attiki 153 10, Greece

● **28-10 Sum Sch on Fundamental Problems in Statistical Mechanics** Altenberg, Germany *Contact:* G. J. M. Koper, Gorlaeus Labs, PO Box 9502, 2300 RA Leiden, The Netherlands [E-mail: sumschl@rulfc1.LeidenUniv.nl]

● **28-30 Jul Sum Sch on Computational Fluid Dynamics** Les Houches, France *Contact:* J. Zinn-Justin, Univ Joseph Four-

ier, Ecole d'été de Physique Théorique, Côte des Chavants, 74310 Les Houches, France

28-3 Conf on Particles and Nuclei Perugia, Italy *Contact:* Carlo Schaerf, Dept of Phys, Univ of Rome, via E Carnevale, I-00173 Rome, Italy

JULY 1993

3-16 Chaos: Towards the Next Century Como, Italy *Contact:* Centro di Cultura Scientifica A. Volta, Villa Olmo, 22100 Como, Italy

● **5-16 Phenomenology of Fundamental Interactions** Mar del Plata, Argentina *Contact:* C. A. Garcia Canal, Laboratorio de Fisica Teorica, Dept de Fisica, Univ Nacional de La Plata, CC No 67, 1900 La Plata, Argentina [E-mail: elaf93@fisilp.edu.ar]

6-9 Scattering from Surfaces Trieste, Italy *Contact:* ICTP

6-9 Neutral Currents: 20 Years Later Paris, France *Contact:* Conf Secretariat, Neutral Currents, Lab PNHE, Ecole Polytechnique, F-91128 Palaiseau Cedex, France

● **11-16 Opt Instrumentation and Applied Sci** San Diego, CA *Contact:* SPIE
Note revised title

● **11-24 Sum Sch in Nuclear Phys** Raleigh, NC *Contact:* Philip Siemens, Phys Dept, 301 Weniger Hall, Oregon State Univ, Corvallis, OR 97331-6507

● **12-16 Cryogenic Eng Conf and Intl Cryogenic Materials Conf** Albuquerque, NM *Contact:* Jan Hull, MS P366, Protocol Office, LANL, PO Box 1663, Los Alamos, NM 87545

14-26 NATO ASI on Nonlinear Opt Materials and Devices for Applications in Information Tech Erice, Sicily *Contact:* A. Miller, Univ of Central Florida, 12424 Rsch Parkway, Orlando, FL 32826

19-23 Nuclear and Space Radiation Effects Conf Snowbird Resort, UT *Contact:* Paul Dressendorfer, Sandia Natl Labs, Albuquerque, NM 87185

19-30 Nonlinearity: Mesoscopic Sys and Chaos Trieste, Italy *Contact:* ICTP

19-30 Liquid State of Matter: Opportunities from New Radiation Sources Trieste, Italy *Contact:* ICTP

19-30 Cosmic Ray Conf Calgary, Canada *Contact:* Madelaine Aldridge, Conf Office, Univ of Calgary, Calgary, Alberta T2N 1N4, Canada

● **20-23 Electrorheological Fluids** Bregenz-Dornbirn, Austria *Contact:* R. Tao, Southern Illinois Univ, Carbondale, IL 62901

26-30 Controlled Fusion and Plasma Phys Lisbon, Portugal *Contact:* M. E. Manso, Centro de Fusão Nuclear, Instituto Superior Técnico, 1096 Lisboa Codex, Portugal

26-30 Atomic Collisions in Solids London, Canada *Contact:* William N. Lennard, Dept of Phys, Univ of Western Ontario, London, Ontario N6A 3K7, Canada

27-30 Mesoscopic Sys and Chaos Trieste, Italy *Contact:* ICTP

● **27-31 Molecular and Oxide Superconductors** Eugene, OR *Contact:* Sandi South, Dept of Phys, Univ of Oregon, Eugene, OR 97403

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28-31 Stockholm Music Acoustics Conf
Stockholm, Sweden *Contact:* SMAC '93,
Music Acoustics, Box 70014, S-10044
Stockholm, Sweden [*E-mail:* smac93@
speech.kth.se]

● **29-3 Low-Temperature Particle Detectors** Berkeley, CA *Contact:* V. MacLean, Ctr for Particle Astrophys, 301 LeConte Hall, Univ of California, Berkeley, CA 94720

AUGUST 1993

● **1-3 Statics and Dynamics of Vortices in Superconductors** Eugene, OR *Contact:* Janice Niemela, LT-20, Dept of Phys, Univ of Oregon, Eugene, OR 97403

● **1-6 Crystal Growth** Baltimore, MD *Contact:* J. C. Jacco, Philips Components, 5083 Kings Highway, Saugerties, NY 12477

● **1-6 Progress in Quantitative Nondestructive Evaluation** Brunswick, ME *Contact:* Connie Nessa, Iowa State Univ, Ctr for NDE, Applied Sci Ctr II, 1915 Scholl Rd, Ames, IA 50011

1-21 High-Energy Phenomenology St. Andrews, Scotland *Contact:* A. Walker, Rm 4409, Dept of Phys, Univ of Edinburgh, James Clerk Maxwell Bldg, Edinburgh EH9 3JZ, Scotland [*E-mail:* A.Walker@ed.ac.uk]

● **1-28 Sum Sch on Cosmology and Large-Scale Structure** Les Houches, France *Contact:* J. Zinn-Justin, Univ Joseph Fourier, Ecole d'été de Physique Théorique, Côte des Chavants, 74310 Les Houches, France

● **2-5 Active and Adaptive Optics** Munich, Germany *Contact:* F. Merkle, European Southern Observatory, Karl-Schwarzschild-Strasse 2, D-8046 Garching, Germany

● **2-7 AAPT Summer Mtg** Boise, ID *Contact:* AAPT Note revised dates

● **4-6 Simulation and Monte Carlo Methods** San Francisco, CA *Contact:* Soc for Industrial and Applied Mathematics, 3600 Univ City Sci Ctr, Philadelphia, PA 19104-2688

4-11 Conf on Low-Temperature Phys Eugene, OR *Contact:* Russell Donnelly, Dept of Phys, Univ of Oregon, Eugene, OR 97403-1274

8-12 Ann Mtg of AAPM Washington, DC *Contact:* AAPM

● **8-20 Biophys of the Cell Membrane** Vancouver, Canada *Contact:* David Boal, Dept of Phys, Simon Fraser Univ, Burnaby, BC V5A 1S6, Canada

8-20 Assembly of Intl Assoc of Geomagnetism and Aeronomy Buenos Aires, Argentina *Contact:* Comité Organizador, IAGA Assembly, Casilla de Correo 106, Sucursal 28, 1428 Buenos Aires, Argentina

● **9-13 Cong of Intl Commission for Optics** Budapest, Hungary *Contact:* I. Bába, Scientific Soc for Optics, Acoustics and Filmtechnics, Budapest, Fő u. 68, H-1027 Hungary

9-13 Conf on Luminescence Storrs, CT *Contact:* Douglas Hamilton, Dept of Phys, 2152 Hillside Rd, Univ of Connecticut, Storrs, CT 06269-3046

10-13 Vortex Fluctuations in High-T_c Superconductors Trieste, Italy *Contact:* ICTP

10-15 Symp on Lepton and Photon Interactions Ithaca, NY *Contact:* Richard Galik, Cornell Univ, Floyd R. Newman Lab of Nuclear Studies, Wilson Lab, Ithaca, NY 14853-8001

● **11-14 NATO ARW on Coherent Opt Interactions in Semiconductors** Cambridge, UK *Contact:* R. T. Phillips, Cavendish Lab, Madingley Rd, Cambridge CB3 0HE, UK

15-21 Holography, Microstructures and Laser Tech Quebec City, Canada *Contact:* SPIE

● **16-19 Education and Training in Optics** Pécs, Hungary *Contact:* I. Bába, Scientific Soc for Optics, Acoustics and Filmtechnics, Budapest, Fő u. 68, H-1027, Hungary

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