

calendar

JANUARY 1983

- 1 **Short Course on Optical Sci & Eng** Tucson, AZ 7/82
- 4-6 **Dynamics Days: Nonlinear Dynamics and Chaotic Behavior** San Diego, CA 11/82
- 5-11 **Short Course on Imaging and Microanalysis with High Spatial Resolution** Tempe, AZ 9/82
- 6-8 **Workshop on Positron-Electron Pairs in Astrophysics** Greenbelt, MD 7/82
- 9-12 **AAS Gen Mtg** Boston 5/82
- 10-12 **Top Mtg on Excimer Lasers** Lake Tahoe, NV 5/82
- 10-12 **Top Mtg on Optical Techniques for Remote Probing of the Atmosphere** Lake Tahoe, NV 5/82
- 11-13 **Short Courses on Millimeter Wave Systems and Technology** Atlanta, GA (Dept. of Continuing Ed., George Inst. of Tech., Atlanta, GA 30332 [(404)894-2547])
- 12 **Shifting Energy Priorities** New York City 11/82
- 12-14 **Top Mtg on Signal Recovery and Synthesis with Incomplete Infor-**

mation and Partial Constraints Lake Tahoe, NV 5/82

- 12-14 **Top Mtg on Meteorological Optics** Lake Tahoe, NV 5/82
- 12-15 **Short Course on Surface Imaging and Analysis with High Spatial Resolution** Castle Hot Springs, AZ 9/82
- 13-15 **Workshop on Cataclysmic Variables and Low-Mass X-ray Binaries** Cambridge, MA 11/82
- 15-16 **Symp on Ecological Assessment of Macrophyton-Collection, Use and Meaning of Data** Fort Lauderdale, FL 7/82
- 16-21 **Conf on Adv in Automation** Santa Barbara, CA 5/82
- 17-20 **Top Mtg on Optical Storage of Digital Data** Lake Tahoe, NV 5/82
- 17-21 **Los Angeles '83 Tech Symp and Instr Exhibit** Los Angeles 9/82
- 17-22 **3rd New Zealand Summer School in Laser Physics** Hamilton, New Zealand 7/82
- 18-21 **Short Course on Defining Software Requirements, Specifications & Texts** San Diego, CA 11/82
- 20 **3rd Ann Plasma Processing Symp** San Jose, CA 11/82

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

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

Abbreviations:

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
CNRS Centre National de la Recherche Scientifique
DOE Department of Energy
DPG Deutsche Physikalische Gesellschaft
IAEA International Atomic Energy Agency
IAU International Astronomical Union

IEEE Institute of Electrical and Electronics Engineers
IOP The Institute of Physics
IUPAC International Union of Pure and Applied Chemistry
IUPAP International Union of Pure and Applied Physics
LBL Lawrence Berkeley Laboratory
LLL Lawrence Livermore Laboratory
NAS National Academy of Sciences
NBS National Bureau of Standards
NRC Nuclear Regulatory Commission
NRL Naval Research Laboratory
NSF National Science Foundation
ONR Office of Naval Research
ORNL Oak Ridge National Laboratory
OSA Optical Society of America
S of R Society of Rheology
SPS Society of Physics Students

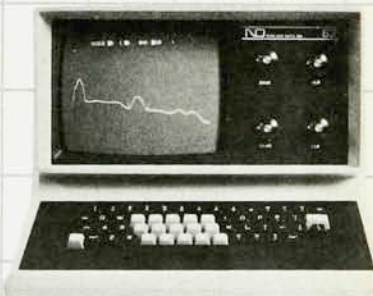
A calendar of physics-related meetings is included only in alternate (odd-numbered) months. Send information to: Calendar, PHYSICS TODAY, 335 East 45th Street, New York, N.Y. 10017. A notice should be timed to arrive three months before the listing should appear.

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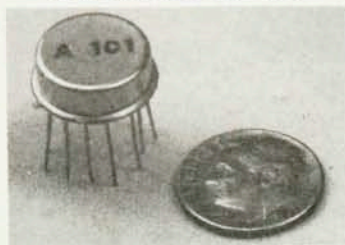
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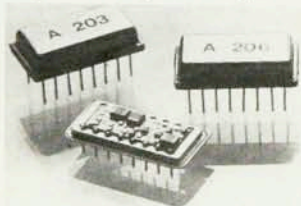
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- Medical and nuclear electronics
- Electro-optical systems



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- 24-27 Joint APS/AAPT Mtg New York 7/82
- 24-28 7th Ann Symp on Energy from Biomass and Wastes Buena Vista, FL 9/82
- 25-27 10th Ann Conf on Phys and Chem of Semiconductor Interfaces Santa Fe, NM 9/82
- 25-28 Short Course on Signal & Image Processing Real-Time Hardware Design Los Angeles 11/82
- 26-28 30th Ann Conf of the Western Spectroscopy Assoc Asilomar, CA 11/82
- 27-29 Soc for Computer Simulation Multiconf 1983 San Diego, CA 7/82

FEBRUARY 1983

- 1-4 Short Course on Defining Software Requirements, Specifications & Tests Washington, DC 11/82
- 1-4 Short Course on Advanced Microprocessor Programming & Applications Techniques Los Angeles 11/82
- 6-9 ISCC-IES Conf on Color and Illumination Williamsburg, VA 9/82
- 7-11 Short Course on Laser Fundamentals & Systems Anaheim, CA (Eng. Tech., P. O. Box 9000, Waco, TX 76710 [(817)772-0082])
- 9-19 3rd Int Math Phys Workshop South Australia 7/82
- 14-16 Short Course on Elements of Optical Design Orlando, FL (Ed. Dir., Laser Inst. of Amer., 5151 Monroe St., Ste. 103W, Toledo, OH 43623 [(419)882-8706])
- 14-18 7th Int Conf on Infrared and Millimeter Waves Marseille, France 5/82
- 15-18 Short Course on Signal & Image Processing Real-Time Hardware Design Washington, DC 11/82
- 20-23 6th Ann Adhesion Soc Mtg Savannah, GA 7/82
- 21-4 4th Brazilian Workshop on Microelectronics Sao Paulo, Brazil (A. Mammana, LED/FEC/UNICAMP, Caixa Postal 6061, 13100-Campanas-SP-Brazil)
- 23-25 1983 IEEE Int Solid-State Circuits Conf New York 9/82
- 23-5 22nd Int Universitätswochen für Kernphysik Schladming, Austria (Org. Comm., 22nd Int. Univ. Wochen, Inst. für Theoretischen Physik, Universitätsplatz 5, A-8010 Graz, Austria)
- 28-2 Top Mtg on Optical Fiber Communication New Orleans 1/82

MARCH 1983

- 3-5 Int Symp on Molecular Scattering Theory and Quantum Chemistry Palm Coast, FL 7/82
- 7-9 Workshop on Non-Perturbative QCD Stillwater, OK 7/82
- 7-10 Crystallography Mtg [DPG] Tübingen, FRG (W. Prandl, Institut für Kristallographie der Universität,

Charlottenstrasse 33, D-7400 Tübingen, FRG)

- 7-10 Polymer Physics Mtg [DPG] Ulm, FRG (H. Hespe, Bayer AG, Gebäude B 406, D-5090 Leverkusen, FRG)
- 7-12 Int Symp on Atomic Molecular and Solid-State Theory, Many-Body Phenomena and Computational Quantum Chem Palm Coast, FL 7/82
- 11-12 Zone 9 SPS Mtg Lawrence, KS (F. Prosser Jr, Dept. of Phys., Univ. of Kansas, Lawrence, KS 66045 [(913)864-4626])
- 14-15 5th Biennial Carl S. Marvel Symp on Conductive and Photoconductive Polymers and Polymer Surface Analysis Tucson, AZ 9/82
- 14-16 Int Symp on Quantum Biology and Quantum Pharmacology Palm Coast, FL 7/82
- 14-16 2nd Phoenix Conf on Computers and Communications Phoenix, AZ 11/82
- 14-18 Ann Mtg of ACA Columbia, MO 1/82
- 14-18 47th DPG Physics Cong Regensburg, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340 Bad Honnef, FRG)
- 18-19 Zone 5 SPS Mtg Boone, NC (W. Connolly, Dept. of Phys. & Astron., Appalachian State Univ., Boone, NC 28608 [(704)262-3090])
- 21-23 3rd Oxford Conf on Microscopy of Semiconducting Materials Oxford 7/82
- 21-23 Symp on Int Facilities for Phys Res Copenhagen 9/82
- 21-23 Int Symp on Still Camera Technology Las Vegas, NV 11/82
- 21-24 Short Course on Personal Microcomputer Interfacing and Scientific Instrumentation Automation Blacksburg, VA (L. Leffel, C. E. C., Virginia Tech, Blacksburg, VA 24061 [(703)961-4848])
- 21-25 APS Mtg Los Angeles 9/82
- 21-25 DPG Mtg Freudenstadt, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340 Bad Honnef, FRG)
- 21-25 Nuclear Phys Mtg [DPG] Münster, FRG (A. Richter, TH Darmstadt, Schollegartenstrasse 9, D-6100 Darmstadt, FRG)
- 21-25 Short Course on Laser Spectroscopy Dallas, TX (Eng. Tech., P. O. Box 9000, Waco, TX 76710 [(817)772-0082])
- 21-26 Int Conf on Heavy-Ion Phys and Nuclear Phys Catania, Italy 9/82
- 21-31 Short Course on Non-Crystalline Materials (R. Howe, Dept. of Phys., Univ. of Leicester, Leicester, LE1 7RH, UK)
- 22-23 5th Ann BEA-CON Conf and Exhibits Minneapolis 9/82
- 23-25 Extraterrestrial Phys [DPG] Konstanz, FRG (H. J. Fahr, Institut für Astrophysik und Extraterrestrische Forschung der Universität, Auf dem Hugel 71, D-5300 Bonn 1, FRG)
- 23-25 Teaching Phys Mtg [DPG] Giessen, FRG (W. Kuhn, Seminar für Didaktik der Physik der Universität, Karl-Glockner-Strasse 21, Haus C, D-6300 Giessen, FRG)

- 23-25 → **Cybernetics Cong** [DPG] Tübingen, FRG (D. Varju, Lehrstuhl für Biokybernetik der Universität, Auf der Morgenstelle 28, D-7400 Tübingen, FRG)
- 25-26 → **Zone 6 SPS Mtg** University, AL (S. T. Jones, Dept. of Phys., Univ. of AL, Univ., AL 35486 [(205)348-5050])
- 28-30 → **Particles Phys Mtg** [DPG] Wuppertal, FRG (H. Meyer, FB 8-Naturwissenschaften I der Universität, Gausstrasse 20, Gebäude D 11.01, D-5600 Wuppertal 1, FRG)
- 28-31 **Low Energy Ion Beams** Loughborough, UK 7/82
- 28-4 → **Short Course on Electronic Devices & Systems** Las Cruces, NM (Eng. Tech., P. O. Box 9000, Waco, TX 76710 [(817)772-0082])

APRIL 1983

- 5-8 → **21st Int Magnetism Conf** [Magnetics Soc. of the IEEE] Philadelphia (C. Graham Jr, Dept. Materials Sci., Univ. of Pennsylvania, 3231 Walnut St., Philadelphia, PA 19104)
- 6-7 **19th Ann Mtg of the Nat Council on Radiation Protection and Measurements** Washington, DC 9/82
- 9 → **Rochester Symp for Phys Students** Rochester, NY (J. Eberly, Dept. of Phys. Astron., Univ. of Rochester, Rochester, NY 14627 [(716)275-4576])
- 11-15 **Conf on Optics '83** Santa Fe, NM 11/82
- 11-15 **Int Symp on Quantum Fluids and Solids** Sanibel Island, FL 11/82
- 13-15 **Electrostatics 83** Oxford 7/82
- 14-16 **7th Int Conf on Experimental Meson Spectroscopy** BNL 5/82
- 18-21 **APS Spring Mtg** Baltimore, MD 1/82
- 18-21 **16th Rare Earth Res Conf** Tallahassee, FL 7/82
- 18-21 **3rd Int Symp on the Sci and Tech of Light Sources** Toulouse, France 7/82
- 18-21 **29th Ann Tech Mtg** Los Angeles 9/82
- 18-21 **Joint Mtg of Cosmic Phys. Div APS/High Energy Phys Div AAS** Baltimore 11/82
- 18-22 **6th Tandem Accelerator Conf** Chester, UK 5/82
- 18-22 **1983 Yamada Conf on Muon Spin Rotation and Association Problems** Shimoda, Japan 9/82
- 18-22 **Optical Electro-Optical Tech** Geneva 9/82
- 19-20 → **SPS Programs at APS Mtg** Baltimore, MD (D. Shea, SPS, 335 E. 45th St., New York, NY 10017 [(516)349-7800])
- 19-21 **14th Symp on Nondestructive Testing Evaluation** San Antonio, TX 7/82
- 19-23 **Energy '83** Hamburg 11/82
- 21-22 **14th Ann Modeling and Simulation Conf** Pittsburgh, PA 9/82
- 21-23 **4th Workshop on Grand Unification** Philadelphia 9/82

- 22-23 **Joint Mtg of CPS-AAPT Sec and SPS Zone 3** Wilkes-Barre, PA 11/82
- 22-23 → **Zone 8 SPS with Wisconsin Sec AAPT** Kenosha, WI (S. Luzader, Box 2000, Univ. of Wisconsin, Parkside, Kenosha, WI 53141 [(414)553-2563])
- 25-27 → **1983 Spring Seminar of the SC Chap of the AAPM** Las Vegas, NV (N. Baily, Dept. of Radiology, M-010, Univ. of CA, San Diego, La Jolla, CA 92093)
- 25-29 **3rd Eur Nuclear Conf** Brighton, UK 5/82
- 26-28 → **Smoke/Obscurants Symp VII** [US Army] Adelphi, MD (PM Smoke/Obscurants, ATTN: DRCPM-SMK-T, W. Klimek, Aberdeen Proving Ground, MD 21005 [(301)278-5411]) [1/17/83]

MAY 1983

- 6-7 → **Zone 7 SPS with Ohio Sec APS** Columbus, OH (E. Jossem, Dept. of Phys., Ohio State Univ., Columbus, OH 43210 [(614)422-7439])
- 8-13 **Symp on Silicon Nitride Thin Insulating Films** San Francisco 9/82
- 8-13 → **31st Ann Conf on Mass Spectrometry and Applied Topics** [Amer. Soc. for Mass Spectrometry] Boston, MA (J. Watson, ASMS, P. O. Box 1508, East Lansing, MI 48823 [(517)337-2548])
- 8-14 **ASA 105th Mtg** Cincinnati, OH 9/81
- 9-12 → **6th Princeton Conf on Space Manufacturing** Princeton, NJ (A. Whitt, Space Studies Inst., Box 82, Princeton, NJ 08540 [(609)921-0377])
- 10-12 **Laboratory Instrument and Equipment Conf and Exhibition** San Jose, CA 11/82
- 14-16 → **IEEE Int Conf on Plasma Sci** St. Louis, MO (T. Menne, McDonnell Douglas Corp., Bldg. 81, Rm. 271, P. O. Box 516, St. Louis, MO 63166 [(314)576-8317])
- 16-18 **33rd Electronics Components Conf** Orlando, FL 11/82
- 16-20 **5th Nat Conf and School on X-ray Analysis** Melbourne, Australia 9/82
- 16-20 **Int Conf on Radioactive Waste Management** Seattle, WA 9/82
- 17-19 **Nat Aerospace and Electronics Conf (NAECON)** Dayton, OH 11/82
- 17-20 **Conf on Lasers and Electro-optics** Baltimore 1/82
- 18-20 → **2nd Int Whitsun Mtg on Self-Organization and Dissipative Structures** [Stift Klosterneuburg, Austria] Austrian Raiffeisen Bank (Organizing Comm. of the ISG Mtg, A-3400 Klosterneuburg, P. O. Box 130, Austria)
- 19-20 **Applications and Techniques of Modern Spectrochemistry** Los Alamos, NM 9/82
- 22-8 **Phenomenology of Unified Theories from Standard Model to Supersymmetries** Dubrovnik, Yugoslavia 9/82

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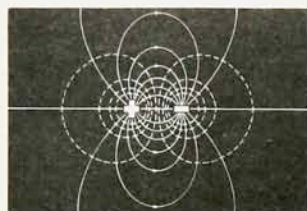
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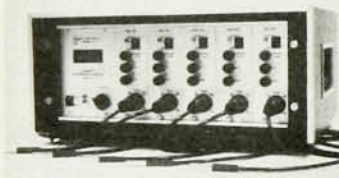


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- 23-25 Int Conf on Plasma Sci San Diego 9/82
- 23-25 Mtg of APS Div of Electron and Atomic Phys Boulder, CO 5/82
- 23-25 Short Course on RF Heating and Current Drive in Magnetic Fusion Plasmas San Diego, CA (V. Granatstein, NRL, Washington, DC 20375)
- 23-27 6th Int Conf on Ion Beam Analysis Tempe, AZ (I. Tsong, Phys. Dept., AZ State Univ., Tempe, AZ 85287)
- 25-28 Quantum Theory and Gravitation II New Orleans 11/82
- 26-31 AAAS Ann Mtg Detroit 9/81
- 29-3 4th Int Conf on Fluidization Kashikojima, Japan 9/81
- 30-2 Conf on the Computation of Electromagnetic Fields Santa Margherita Ligure, Italy 11/82
- 30-3 2nd Int Conf on Radiation Effects in Insulators Albuquerque, NM 9/82
- 31-3 1983 IEEE Microwave and Millimeter Monolithic Circuits Symp Boston, MA (R. Levy, Microwave Dev. Labs, 11 Michigan Dr., Natick, MA 01760)
- 31-2 Dynamics Days: Twente Enschede, The Netherlands 11/82
- 31-3 Symp on Microwave Theory and Technique Boston 9/81

JUNE 1983

- 1-3 37th Ann Frequency Control Symp Philadelphia 11/82
- 6-7 Short Course on Techniques for Surface Analysis Dayton, OH (J. Grant, Res. Inst., Univ. of Dayton, Dayton, OH 45469) [4/1/83]
- 6-8 4th IEEE Int Pulsed Power Conf Albuquerque, NM 5/82
- 6-9 Milestones and Trends in Polymer Sci: A Tribute to Turner Alfrey Midland, MI 5/82
- 6-10 2nd Int Symp on Optical Mass Data Storage Arlington, VA 9/82
- 8-10 5th Symp on Applied Surface Analysis Dayton, OH (J. Grant, Res. Inst., Univ. of Dayton, Dayton, OH 45469) [4/1/83]
- 12-16 EUCHEM Conf on High Resolution Electron Microscopy in Solid State Chem Stockholm 11/82
- 12-17 ANS Ann Mtg Detroit 1/82
- 13-15 5th Rochester Conf on Coherence and Quantum Optics Rochester, NY 9/82
- 14-16 94th Ann Sci Mtg of the Astronomical Soc of the Pacific Kona Coast of Hawaii 11/82
- 15-17 3rd Conf on Numerical Analysis of Semiconductor Devices and Integrated Circuits (NASECODE III) Galway, Ireland 1/82
- 15-17 AAPT Mtg Memphis, TN 9/82
- 15-18 Top Mtg on Optical Bistability Rochester, NY 9/82
- 15-25 NATO Adv Study Inst on Modulated Structure Materials Crete, Greece (T. Tsakalakos, College of

Engineering, Rutgers Univ., P. O. Box 909, Piscataway, NJ 08854 [(201)932-3666])

- 16-30 NATO Adv Study Inst on Energy Transfer Processes in Condensed Matter Erice, Italy 11/82
- 18-30 Magneto-Structural Correlations in Exchange Coupled Systems Castiglione della Pescaia, Italy (R. Willett, Chem. Phys. Program, Washington State Univ., Pullman, WA 99164)
- 19-22 AAS 162nd Ann Mtg Minneapolis, MN 9/82
- 20-22 43rd Ann Conf on Physical Electronics Santa Fe, NM 9/82
- 20-25 Quantum Chaos Como, Italy 9/82
- 20-25 Int CNRS Colloquium on Optogalvanic Spectroscopy and Its Applications Aussios, France (P. Camus, Lab. Aimé Cotton, Campus d'Orsay, Bat. 505, F-91405 Orsay Cedex, France)
- 21-23 9th Int Symp on Machine Processing of Remotely Sensed Data West Lafayette, IN (D. Morrison, Purdue Univ./LARS, 1220 Potter Dr., West Lafayette, IN 47906 [(317)494-6305]) [2/25/83]
- 21-24 5th Conf on the Phys of the Jovian and Saturnian Magnetospheres Cambridge, MA 9/82
- 23-24 9th West Coast Statistical Mechanics Conf Los Alamos, NM (J. D. Johnson, T-4, MS B212, Los Alamos Nat. Lab., Los Alamos, NM 87545 [(505)667-5751])
- 23-25 9th Can Sem on Surfaces Vancouver 11/82
- 26-1 1983 Conf on the Dynamics of Molecular Collisions Gull Lake, MN 11/82
- 26-1 3rd Int Symp on Magnetic Resonance in Colloid and Interface Science Torun, Poland (A. Gutsze, Inst. of Phys., Nicholas Copernicus Univ., ul. Grudziadzka 5, 87-100 Torun, Poland)
- 27-30 4th Int Conf on Integrated Optics and Optical Fiber Communication Tokyo, Japan 9/82
- 27-1 3rd Symp on Separation Sci and Tech for Energy Applications Gatlinburg, TN 9/82
- 27-1 6th Int Conf on Laser Spectroscopy Interlaken, Switz. 9/82
- 27-1 Int Conf on Phase Transformations in Solids [MRS] Crete, Greece (T. Tsakalakos, College of Engineering, Rutgers Univ., P. O. Box 909, Piscataway, NJ 08854 [(201)932-3666])
- 27-8 Short Course on Relativity, Groups and Topology Les Houches, France 11/82

JULY 1983

- 3-16 Magnetic Resonance Techniques in Fossil Energy Problems [NATO, American Chem. Soc.] Crete, Greece (L. Petrakis, Gulf R&D, P. O. Box 2038, Pittsburgh, PA 15230)
- 4-5 4th Top Mtg on Gradient Index Optical Systems Kobe, Japan 9/82

- 4-8 **9th Int Colloquium on Dynamics of Explosions and Reactive Systems** Poitiers, France 9/82
- 4-8 **1st Int Conf on Conduction and Breakdown in Solid Dielectrics** Toulouse, France 9/82
- 4-9 **10th Int Conf on General Relativity and Gravitation** Venice 1/82
- 10-23 **NATO Advanced Study Inst on Phys on Submicron Semiconductor Devices** San Miniato, Italy (D. Ferry, Dept. of Elec. Eng., Colorado State Univ., Fort Collins, CO 80523)
- 11-13 **1983 Summer Computer Simulation Conf** Vancouver, BC 9/82
- 11-14 **7th Int Symp on Nuclear Quadrupole Resonance** Queen's Univ., Kingston, Ontario 11/82
- 11-15 **Phys of Latent Image Formation in Silver Halides** Trieste 11/82
- 13-15 **Internoise '83** Univ. of Edinburgh 9/82
- 17-22 **1983 Summer Mtg IEEE Power Eng Soc** Los Angeles (T. Hawkins, 345 E. 47 St., New York, NY 10017)
- 18-29 **1983 SLAC Summer Inst on Particle Phys** Stanford, CA (A. Mosher, SLAC Mail Bin 62, Stanford, CA 94305)
- 25-28 **9th Intl High-Pressure Conf** Albany, NY 9/82
- 25-29 **Computer Simulation of Quantum Systems** Trieste 11/82
- 25-29 **15th IUPAP Int Conf on Thermodynamics and Statistical Mechanics** Edinburgh, Scotland (R. Cowley, Dept. of Phys., Univ. of Edinburgh, Mayfield Rd., Edinburgh, EH9 3JZ, Scotland)
- 26-7 **NATO Advanced Study Inst on NMR of Liquid Crystals** San Miniato, Italy (J. Emsley, Dept. of Chem., Univ. of Southampton, S09 5NH, UK)
- 31-4 **AAPM Ann Mtg** New York 9/82
- 8-2 **Short Course on the Birth and Infancy of Stars** Les Houches, France 11/82
- 11-16 **12th Int Conf on High-Energy Accelerators** Batavia, IL 9/82
- 13-28 **2nd Workshop on Nonlinear Evolution Equations and Dynamical Systems** Chania, Crete, Greece 9/82
- 14-19 **6th Int EPR Sym** [Soc. of Applied Spectroscopy] Denver, CO (G. Eaton, Dept. of Chem., Univ. of Denver, Denver, CO 80208) [3/23/83]
- 14-19 **NMR Symp** [Soc. of Applied Spectroscopy] Denver, CO (F. Miknis, Laramie Eng. Tech. Ctr., Box 3395, Univ. Sta., Laramie, WY 82071) [3/23/83]
- 15-17 **4th Int Conf on Mathematical Modelling** Zurich, Switz. 9/82
- 15-19 **5th Int Conf on Liquid and Amorphous Metal** Los Angeles (C. N. J. Wagner, Dept. of Materials Sci. and Eng., UCLA, Los Angeles, CA 90024 [(213)825-6265])
- 15-19 **Cryogenics—The Development of a New Frontier** Colorado Springs, CO (L. L. Wise, Centennial Conf., 1215 Mapleton, Boulder, CO 80302 [(303)449-8320])
- 21-2 **Moment Formation in Solids** [NATO, Can. Assoc. of Physicists] Vancouver Island, British Columbia, Canada (W. J. L. Buyers, AECL, Chalk River, Ontario, K0J 1J0, Canada)
- 21-27 **10th Int Conf on Few Body Problems in Phys** Karlsruhe, FRG 9/82
- 29-3 **16th Int Conf on Phenomena in Ionized Gases** Dusseldorf, FRG 9/81
- 30-2 **Electron Microscopy and Analysis Group** Surrey, UK 9/82
- 31-2 **1983 Int Geoscience and Remote Sensing Symp** San Francisco 11/82
- 31-8 **20th CIE Congress** Amsterdam 9/82

AUGUST 1983

- 1-5 **ACA Snowmass Colorado Mtg** Snowmass, CO 9/82
- 1-5 **75th Jubilee Conf on Helium-4** St. Andrews, Scotland 9/82
- 1-10 **7th Int Cong on Mathematical Phys** Boulder, CO (W. Wyss, Phys. Dept., Campus Box 390, Univ. of Colorado, Boulder, CO 80309)
- 4-9 **Int Symp on Lepton and Photon Interactions at High Energies** Ithaca, NY (Conf. Sec., Newman Lab., Cornell Univ., Ithaca, NY 14853)
- 6-12 **41st Ann Mtg of the Electron Microscopy Soc of Am** Phoenix, AZ (P. Calarco, Dept. of Anatomy, Univ. of CA, Med. Ctr., San Francisco, CA 94143) [3/15/83]
- 7-12 **8th Canadian Theoretical Chem Symp** Halifax, NS, Canada 9/81
- 7-12 **Illuminating Eng Soc 1983 Ann Conf** Los Angeles, CA (T. Bennett, Illuminating Eng. Soc. of North Am., 345 E. 47 St., New York, NY 10017 [(212)705-7922])
- 8-12 **7th Int Conf on Vacuum Ultraviolet Radiation Phys** Jerusalem 9/82

SEPTEMBER 1983

- 4-8 **6th Int Conf Erosion by Liquid and Solid Impact** Cambridge, UK 9/82
- 5-9 **Int Conf on Fourier Transform Spectroscopy** Durham, UK 9/82
- 5-9 **11th Eur Conf on Controlled Fusion and Plasma Phys** Aachen, FRG 9/82
- 5-9 **5th Int Conf on the Electronic Properties of Two-Dimensional Systems** Oxford, UK (R. Nicholas, Clarendon Lab., Parks Rd., Oxford, OXI 3PU, UK)
- 6-9 **2nd Int Conf on Lasers** Peking, China 9/82
- 6-9 **3rd Int Symp on Flow Visualization** Ann Arbor, MI 9/82
- 7-17 **Short Course on Mirror-Based and Field-Reversed Approaches to Magnetic Fusion** Varenna, Italy 9/82
- 12-14 **5th Int Conf on High-Power Particle Beams** San Francisco 7/82
- 12-14 **3rd Nat Conf on Synchrotron Radiation Instrumentation** Brookhaven Nat. Lab. (W. Thomlinson, Nat.

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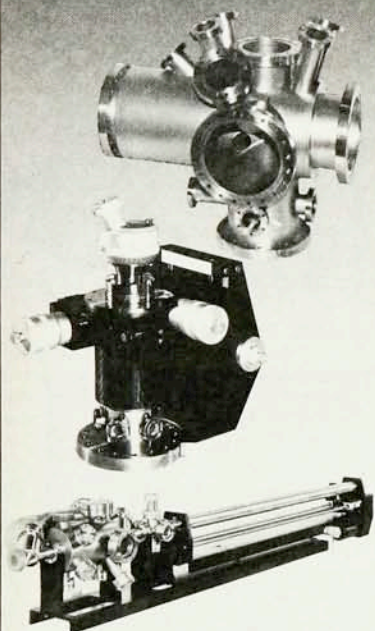
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- Synchrotron Light Source, Brookhaven Nat. Lab., Upton, NY 11973)
- 12-16 **7th Int Conf on Crystal Growth** Stuttgart FRG 9/81
- 12-16 **7th Symp on Ion Sources and Ion Assisted Tech and 4th Int Conf on Ion and Plasma Assisted Techniques** Kyoto, Japan 9/82
- 16-20 **Phys of Plasma Close to Thermonuclear Conditions** Varenna, Italy 9/81
- 19-22 **3rd Top Mtg on Fusion Reactor Materials** Albuquerque, NM 11/82
- 19-23 **Physical Chem of the Solid State: Applications to Metals and their Compounds** Paris (C. Troyanowsky, Phys. Chem. Soc., Rue Vauquelin F-75231, Paris Cedex 05, France)
- 25-29 **Symp on Thermal Behavior of the Intercalated Materials** Williamsburg, VA 11/82
- 25-29 **12th Ann North Am Thermal Analysis Soc Mtg** Williamsburg, VA (R. Johnson, Du Pont Central Res. and Dev. Dept., Exp. Station, Bldg. 228, Wilmington, DE 19898 [(302)772-2198])
- 25-30 **5th Eur Mtg on Ferroelectricity** Torremolinos, Spain 11/82
- 26-30 **9th Int Vacuum Cong—5th Int Conf on Solid Surfaces** Madrid, Spain 11/82
- 26-30 **1983 IEEE Int Symp on Information Theory** St. Jovite, Quebec, Canada (J. Anderson, Dept. of Elec. & Sys. Eng., Rensselaer Polytechnic Inst., Troy, NY 12181 [(518)270-6485]) [2/1/83]
- 27-30 **7th Int Conf on Solid State Dosimetry** Ottawa 11/82

OCTOBER 1983

- 10-13 **3rd Top Mtg on Fusion Reactor Material** Albuquerque, NM 11/82
- 13-15 **APS Div of Nuclear Phys** Notre Dame, IN 11/82
- 16-20 **S of R Ann Mtg** Knoxville, TN (R. C. Bogue, Dept. of Chem. Eng., Univ. of TN, Knoxville, TN 37916)
- 17-20 **15th Mtg of the Div of Planetary Sci-AAS** Ithaca, NY 11/82
- 17-21 **OSA Ann Mtg** New Orleans, LA 11/82
- 20-22 **APS Div of Particles and Fields Mtg** Blacksburg, VA 11/82
- 21-22 **Eastern Theoretical Phys Conf** Brookhaven Nat. Lab. 11/82
- 23-26 **9th Eur Conf on Optical Communication** Geneva 11/82
- 24-26 **Int Symp on Electromagnetic Compatibility** Washington, DC 11/82

NOVEMBER 1983

- 1-4 **AVS Ann Mtg** Boston 11/82
- 3-5 **APS Southeastern Sec Mtg** Columbia, SC 11/82
- 7-11 **APS Plasma Physics Div** Los Angeles 11/82
- 7-11 **ASA 106th Mtg** San Diego 11/82

- 13-18 **AAPM Gen Mtg** Chicago (E. Osterman, 335 E. 45 St., New York, NY 10017)
- 20-22 **APS Fluid Dynamics Div** Houston 11/82
- 20-23 **APS Gen Mtg** San Francisco 11/82

DECEMBER 1983

- 5-9 **10th Symp on Fusion Eng** Philadelphia 11/82
- 12-17 **8th Int Conf on Infrared and Millimeter Waves** Miami Beach (K. Button, M.I.T., Cambridge, MA 02139 [(617)253-5561])
- JANUARY 1984**
- 23-25 **Top Mtg on Optical Fiber Communication [OSA/IEEE]** New Orleans, LA (OSA, 1816 Jefferson Pl. NW, Washington DC 20036)
- 26-30 **APS Mtg** Detroit (W. Havens Jr, 335 E. 45 St., New York, NY 10017)
- 30-2 **Joint APS/AAPT Mtg** New Orleans, LA (W. Havens Jr, 335 E. 45 St., New York, NY 10017)

APRIL 1984

- 10-12 **Conf on Lasers and Electro-optics [OSA/IEEE]** Anaheim, CA (OSA, 1816 Jefferson Pl. N. W., Washington, DC 20036)
- 26-28 **APS Spring Mtg** Washington, DC (W. Havens Jr, 335 E. 45 St., New York, NY 10017)

MAY 1984

- 29 **AAAS Ann Mtg** New York (AAAS, 1776 Massachusetts Ave. NW, Washington, DC 20036)

JUNE 1984

- 18-22 **OSA/IEEE Conf on Lasers and Electro-Optics** Anaheim, CA (OSA, 1816 Jefferson Pl. NW, Washington, DC 20036)

AUGUST 1984

- 27-31 **5th Int Conf on Rapidly Quenched Metals-RQ 5** Wurzburg, FRG (H. Warlimont, Gruner Weg 37, D-6450 Hanau 1, FRG)

OCTOBER 1984

- 29-2 **OSA Ann Mtg** San Diego (OSA, 1816 Jefferson Pl., N. W., Washington, DC 20036)