

calendar

JANUARY 1984

- 2-6 **1984 Winter Conf on Plasma Spectrochemistry** San Diego, CA 5/83
- 3-5 **Dynamics Days—La Jolla: Workshop on Nonlinear Dynamics and Chaotic Behavior** La Jolla, CA 11/83
- 4-7 **Protostars and Planets II** Tucson, AZ 11/83
- 4-10 **Winter Course on Imaging and Microanalysis with High Spatial Resolution [NSF]** Tempe, AZ 11/83
- 8-11 **163rd Ann Mtg of AAS** Las Vegas, NV 5/83
- 9-13 **Gordon Res Conf on Orientational Disorder in Crystals** Oxnard, CA 9/83
- 9-20 **Optical Sci & Eng Short Course** Tucson, AZ 9/83
- 10-13 **Conf on Atomic-Scale Structure and Properties of Interfaces [NSF]** Phoenix, AZ 11/83
- 16-20 → **1984 Winter Gordon Research Conf on Dynamics of Macromolecular and Polyelectrolyte Solutions** Oxnard, CA (A. Cruickshank, Pastore Chemical Lab., Univ. of RI, Kingston, RI 02881 [(401)783-4011])
- 16-20 → **Short Course on Laser Beam Propagation and Interaction Effects** Huntsville, AL (Engineering Tech., PO Box 8859, Waco, TX 76714 [(817)772-0082])
- 16-25 **Int Workshop on Hyperfine Interactions** Kanpur, India 11/83
- 23-25 **Top Mtg on Optical Fiber Communication** New Orleans, LA 5/83
- 24-26 **1984 Ann Reliability and Maintainability Symp** San Francisco 5/83
- 25-27 → **31st Ann Conf of the Western Spectroscopy Assoc** Pacific Grove, CA (D. Saperstein, IBM Instruments, 40 West Brokaw Rd., San Jose, CA 95110)
- 28-29 **Aspects of Medical Phys for Phys Teachers** San Antonio, TX 7/83
- 30-2 **Joint APS/AAPT Mtg** San Antonio, TX 5/83
- 30-2 → **SPS Programs at APS/AAPT Mtg** San Antonio, TX (R. L. Palma, Div. of Chem. and Phys., Sam Houston State Univ., Huntsville, TX 77341 [(409)294-1608])
- 31-2 **11th Ann Conf on Phys and Chem of Semiconductor Interfaces** Pinehurst, NC 7/83

FEBRUARY 1984

- 2-4 → **Short Course on Fundamentals of NMR Imaging** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 2-4 → **1984 Soc for Computer Simulation Multiconf** San Diego, CA (SCS, PO Box 2228, La Jolla, CA 92038 [(619)459-3888])
- 6-8 **Consensus Development Conf on Use of Diagnostic Ultra-Sound Imaging in Pregnancy** Bethesda, MD 11/83
- 6-10 → **3rd Symp on Semiconductor Processing** San Jose, CA (R. Scace, A305, Technology Bldg., NBS, Washington, DC 20234 [(301)921-3786])
- 7-10 **Australia/New Zealand Condensed Matter Phys Mtg** Pakatua Island, Auckland, New Zealand 9/83
- 8-9 → **Short Course on Microwave Devices and Sources** Atlanta, GA (E. Nicholas, Dept. of Continuing Ed., Georgia Inst. of Tech., Atlanta, GA 30332 [(404)894-2547])
- 12-15 **Inter-Soc Color Council Williamsburg Conf on Color and Imaging** Williamsburg, VA 9/83
- 13-15 **Int Sem on Energy Conservation in Industry** Düsseldorf, FRG 11/83

- 13-15 → **High Energy Excitations in Condensed Matter** Los Alamos, NM (A. Martinez, MS H805, Group P-8, Los Alamos National Lab., Los Alamos, NM 87545 [(505)667-6069])
- 13-17 → **Short Course on Laser Fundamentals and Systems** Dallas, TX (Engineering Tech., PO Box 8859, Waco, TX 76714 [(817)772-0082])
- 20-1 **23rd Int Universitätswochen für Kernphysik: Stochastic Methods and Computer Techniques in Quantum Dynamics** Schladming, Austria 9/83
- 27-29 **Spring Mtg of the Materials Res Soc** Albuquerque, NM 9/83
- 27-29 **10th Austin Symp on Molecular Structure** Austin, TX 11/83
- 27-29 → **Short Course on Physical Principles of Medical Ultrasound** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 28-1 → **1984 IEEE Built-In Self Test Workshop** Charleston, SC (R. M. Sedmak, Sperry Corporation Computer Systems, MS CI-SW12, PO Box 500, Blue Bell, PA 19424 [(215)542-3638])
- 29-2 **Sem on the Application of Surface Analysis Methods to the Solution of Practical Problems** Boca Raton, FL 9/83

Please note: Complete information is only given in new (→) or revised (●) listings. All other entries end with the date of the PHYSICS TODAY issue containing the following information: date title [sponsor] location [contact] [abstract deadline]

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	The 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	NAS	National Academy of Sciences
APS	American Physical Society	NBS	Bureau of Standards
ASA	Acoustical Society of America	NRC	Nuclear Regulatory Commission
AVS	American Vacuum Society	NRL	Naval Research Laboratory
BNL	Brookhaven National Laboratory	NSF	National Science Foundation
CNRS	Centre National de la Recherche Scientifique	ORNL	Oak Ridge National Laboratory
DOE	Department of Energy	OSA	Optical Society of America
DPG	Deutsche Physikalische Gesellschaft	S of R	Society of Rheology
IAEA	International Atomic Energy Agency	SPS	Society of Physics Students

- 1-3 **Int Symp on the Impact of Computers on the Quantum Theory of Matter** Palm Coast, FL 11/83
- 3-5 → **Short Course on Chemical Lasers** Las Cruces, NM (Engineering Tech., PO Box 8859, Waco, TX 76714 [(817)772-0082])
- 5-6 → **Short Course on Laser Technology and Systems Applications** Atlanta, GA (E. Nicholas, Dept. of Continuing Ed., Georgia Inst. of Tech., Atlanta, GA 30332 [(404)894-2547])
- 5-7 **Top Mtg on Laser Techniques in the Extreme Ultraviolet** Boulder, CO 5/83
- 5-8 **4th Top Workshop on Proton-Antiproton Collider Phys** Berne, Switz. 9/83
- 5-10 **Int Symp on Atomic, Molecular, and Solid-State Theory, Many-Body Phenomena, and Computation Methods in Honor of Prof Masao Kotani** Palm Coast, FL 11/83
- 7-9 **Int Sem on Imaging Applications of Nuclear Magnetic Resonance in Medicine and Other Areas** Boca Raton, FL 11/83
- 7-9 → **Short Course on Infrared Technology and Applications** Atlanta, GA (E. Nicholas, Dept. of Continuing Ed., Georgia Inst. of Tech., Atlanta, GA 30332 [(404)894-2547])
- 12-15 **Int Symp on Quantum Biology and Quantum Pharmacology** Palm Coast, FL 11/83
- 12-16 **5th Nordic Mtg on Nuclear Phys** Jyväskylä, Finland 9/83
- 12-16 → **DPG Mtg 84** Münster, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340, Bad Honnef)
- 12-16 → **AAPM 1st Midyear Top Symp: Multiple Regression Analysis: Applications in the Health Sciences** Mobile, AL (AAPM 1984 Midyear Symp., PO Drawer 8486, Mobile, AL 36689)
- 14-16 **17th Ann Simulation Symp** Tampa, FL 11/83
- 19-21 **IEEE 1984 Int Conf on Acoustics, Speech and Signal Processing** San Diego, CA 11/83
- 19-21 → **1984 Energy Tech Conf and Expo** Washington, DC (E. Boardman, Government Institutes, 966 Hungerford Dr., Suite 24, Rockville, MD 20850 [(301)251-9250])
- 19-21 → **Course on Phase Conjugation Methods** San Diego, CA (Engineering Tech., PO Box 8859, Waco, TX 76714)
- 19-23 → **Atomic, Mass Spectroscopic, Quantum Phys Conf [DPG]** Giesen, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340, Bad Honnef)
- 19-23 → **Short Course on Computer Algorithms for Radiotherapy Treatment Planning** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 19-23 → **4th Gen Conf of the Condensed Matter Div of the European Physical Soc** The Hague, Holland (F.

M. Mueller, Phys Lab., Toernooiveld, NL-6525 ED Nijmegen, The Netherlands)

- 20-23 → **Extraterrestrial, Short Time, and Plasma Phys Conf [DPG]** Kiel, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340, Bad Honnef)
- 21-28 **4th Int Symp on Heating in Toroidal Plasmas** Rome 5/83
- 22 → **Symp to Commemorate the 100th Anniversary of Peter Debye's Birth** [Cornell Dept. of Chem., ACS] Ithaca, NY (E. Peters, Dept. of Chem., Baher Laboratory, Ithaca, NY 14853)
- 22-24 **Conf on Defects in Amorphous Materials** Detroit, MI 5/83
- 26-27 → **Short Course on Electronic Imaging in Medicine** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 26-28 → **Quantum Molecular Motion in Crystals and Intercalates and on Surfaces** Nottingham, UK (S. Clough, Dept. of Phys., Univ. of Nottingham, Nottingham NG7 2RD, UK)
- 26-29 → **Workshop on Personal Computer Interfacing and Scientific Instrument Automation** Blacksburg, VA (L. Leffel, C.E.C., Virginia Tech., Blacksburg, VA 24061 [(703)961-4848])
- 26-30 **APS Gen Mtg** Detroit, MI 5/83
- 26-30 → **SPS Programs at APS Mtg** Detroit, MI (D. Shea, 335 E. 45th St., New York, NY 10017 [(516)349-7800])
- 26-30 → **Nuclear Phys Conf [DPG]** Innsbruck, FRG (DPG-Geschäftsstelle, Hauptstrasse 5, D-5340, Bad Honnef)
- 27-29 → **Acoustics Conf [DPG]** Darmstadt, FRG (DPG Geschäftsstelle Hauptstrasse 5, D-5340, Bad Honnef)
- 29-31 **1984 Univ of California Conf on Statistical Mechanics** Davis, CA 11/83
- 29-31 → **Conf on Statistical Mechanics** Davis, CA (C. Garrod, Dept. of Phys., UC Davis, Davis, CA 95616)

APRIL 1984

- 1-4 **Vacuum '84: Technological Aspects of Surface Treatment and Analysis** University of York, UK 5/83
- 1-5 → **6th Eur Conf on Surface Sci** York, UK (Meetings Off., IOP, 47 Belgrave Sq., London SW1X 8QX, UK)
- 2-4 → **Particle Phys Conf [DPG]** Bielefeld, FRG (DPG Geschäftsstelle Hauptstrasse 5, D-5340, Bad Honnef)
- 2-4 → **Int Top Conf on Kinetics of Aggregation and Gelation** Athens, GA (D. Landau, Phys. Dept., Univ. of GA, Athens, GA 30602 [(404)542-2485])
- 2-5 → **British Crystallographic Assoc Mtg** Nottingham, UK (M. Begley, Dept. of Chem., Univ. of Nottingham, University Park, Nottingham NG7 2RD, UK)

- 2-6 **5th Int Conf on Nuclear Methods in Environmental and Energy Res** Mayaguez, Puerto Rico 5/83
- 2-6 → **Short Course on Basic Principles of Medical X-Ray Imaging Using Fourier Analysis and Microcomputers** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 4-5 → **20th Ann Mtg of Nat Council on Radiation Protection & Measurements: Issues involved in Developing Basic Radiation Protection Criteria** Washington, DC (W. R. Ney, NCRP, 7910 Woodmont Ave., Suite 1016, Bethesda, MD 20814)
- 6-8 **AVS Thin Film Div Top Symp on Sputtering** San Diego, CA 7/83
- 7 → **Rochester Symp for Phys Students** Rochester (D. Clark, Dept of Phys. and Astronomy, Univ. of Rochester, Rochester, NY 14627 [(716)275-4354])
- 7-19 → **Int School on Direct Methods of Solving Crystal Structures** Erice, Sicily (L. Riva di Sanseverino, Inst. di Mineralogia, Piazza di Porta San Donato 1, 40127 Bologna, Italy)
- 8-10 → **Mtg on Medical Imaging and Instrumentation '84: Practical Applications of Conventional and New Imaging Technologies** [Soc. of Photographic Scientists & Engineers] Las Vegas, NV (R. Wood, SPSE, 7003 Kilworth Lane, Springfield, VA 22151)
- 9-11 **Top Mtg on High Temperature Alloys: Theory and Design** Bethesda, MD 11/83
- 9-12 **3rd Int Conf on Mechanical Properties of Materials at High Rates of Strain** Oxford, UK 5/83
- 9-12 **Symp on Resonances in Electron-Molecule Scattering, van der Waals Complexes, and Reactive Chem Dynamics** St. Louis, MO 11/83
- 9-12 → **IAU Colloquium: Very Large Telescopes: Their Instrumentation and Programs** Garching, FRG (C. Stoffer, ESO, Karl-Schwarzschild-Str. 2, D-8046 Garching bei München)
- 9-13 **4th Int Symp on the Properties and Applications of Metal Hydrides** Eilat, Israel 11/83
- 10-12 **Conf on Lasers and Electro-optics** Anaheim, CA 5/83
- 11-13 **Conf on Nuclear Structure Phys** Univ. of Bradford, UK 9/83
- 12-14 **5th Workshop on Grand Unification** Providence, RI 9/83
- 12-14 → **Conf on Fundamental Questions in Quantum Mechanics** Albany, NY (L. M. Roth, Phys Dept., SUNY at Albany, Albany, NY 12222)
- 16-20 → **Short Course on Computer Assisted Reconstruction Tomography** San Antonio, TX (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 16-20 → **Int Symp on Resonance Ionization Spectroscopy** Knoxville, TN (H. M. Borella, EG & G Energy Measurements Group, PO Box 98, Goleta, CA 93116)

- 17-20 **OSA Spring Conf** Monterey, CA 7/83
- 17-18 **Spring '84 Top Mtg on Science of Polishing** Monterey, CA 11/83
- 17-19 **Top Mtg on Optical Interference Coatings [OSA]** Monterey, CA 11/83
- 18-20 **Workshop on Optical Fabrication and Testing** Monterey, CA 11/83
- 18-20 **Top Mtg on Optical Data Storage [OSA]** Monterey, CA 11/83
- 19-20 **Top Mtg on Gradient-Index Optical Imaging Systems** Monterey, CA 11/83
- 19-20 **15th Ann Modeling and Simulation Conf** Univ. of Pittsburgh 11/83
- 23-24 → **SPS Programs at APS Mtg** Washington, DC (D. Shea, 335 E. 45 St., New York, NY 10017 [(516)349-7800])
- 23-26 **APS Spring Mtg** Washington, DC 9/83
- 24-26 **3rd Int Conf on III-V Semi-Insulating Materials** Warm Springs, OR 9/83
- 24-26 **IEEE 1984 Nat Symp on Electromagnetic Compatibility** San Antonio, TX 9/83
- 24-26 **7th Top Mtg on Integrated and Guided-Wave Optics** Orlando, FL 11/83
- 25-26 → **SPS Nat Council Mtg** Washington, DC (D. Shea, 335 E. 45 St., New York, NY 10017 [(516)349-7800])
- 26-27 → **Short Course on Biological Effects and Dosimetry in Diagnostic X-Ray and Nuclear Medicine** San Antonio, Texas (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])
- 29-2 **86th Ann Mtg and Expos Amer Ceramic Soc** Pittsburgh, PA 5/83
- 29-3 **4th Int Symp on Gaseous Dielectrics** Knoxville, TN 7/83
- 30 → **US Ann Photovoltaic Program Review** Orlando, FL (SERI, Conf. Coord. Sec., 1617 Cole Blvd., Golden, CO 80401 [(303)231-1385])

MAY 1984

- 6-10 **107th ASA Mtg** Norfolk, VA 11/83
- 6-20 **Int School on Direct Methods of Solving Crystal Structures** Erice, Italy 5/83
- 7-10 **1984 IEEE Int Symp on Circuits and Systems** Montreal 9/83
- 8-11 → **Symp on Recent Developments in Computing, Processor and Software Research for High Energy** Guanajuato, Mex. (C. Avilez, Inst. de Fisica, Depart. de Fisica Teórica, AP 20-364, Mexico, 20, DF)
- 14-16 **IEEE Int Conf on Plasma Sci** St. Louis, MO 3/83
- 15-18 → **Int Conf on Optics and Solar Energy** (Czech. Nat. Comm. on Optics c/o Physical Inst. of Czech Academy of Sci., Dept. of Applied Optics, Na Slovance 2, 180 40 Praha 8-Liben, Czech.)
- 21-23 **IEEE Custom Integrated Circuits Conf** Rochester, NY 11/83

- 21-25 **ACA Ann Spring Mtg** Lexington, KY 5/83
- 21-25 → **13th Int Colloq on Group Theoretical Methods in Phys** College Park, MD (ICGTMP, Dept. of Phys. and Astronomy, Univ. of MD, College Park, MD 20742)
- 24-29 **AAAS Ann Mtg** New York 5/83
- 29-1 → **1984 Int Symp on Electron, Ion and Photon Beams [IEEE, AVS]** Tarrytown, NY (J. Kelly, Hewlett-Packard Labs, 3500 Deer Creek Rd., Palo Alto, CA 94304 [(415)857-5274])
- 30-1 → **IEEE MTT-S Int Microwave Symp** San Francisco (F. Ivanek, TPC MTT '84, Harris Corp., Farinon Div., 1691 Bayport Ave., San Carlos, CA 94070)
- 30-1 • **APS Div of Electron and Atomic Phys** Storrs, CT (W. Havens, 335 E. 45 St., New York, NY 10017)

JUNE 1984

- 3-6 → **Inter-Disciplinary Workshop on Structure and Properties of the Amorphous State [ACS]** Williamsburg, VA (J. Voge, Div. of Polymer Chem., Polytechnic Inst. of New York, 333 Jay St., Brooklyn, NY 11201)
- 4-5 → **Short Course on Techniques for Surface Analysis** Dayton, OH (J. T. Grant, Research Inst., Univ. of Dayton, Dayton, OH 45469)
- 4-8 **Int Symp on Phase Transitions in the Early Universe** Bielefeld, FRG 9/83
- 5-7 **Dynamics Days—Twente: Workshop on Nonlinear Dynamics and Chaotic Behavior** Enschede, The Netherlands 11/83
- 6-8 → **6th Symp on Applied Analysis** Dayton, OH (J. T. Grant, Research Inst., Univ. of Dayton, Dayton, OH 45469) [3/30/84]
- 7-8 → **Muon-Catalyzed Fusion Workshop [EG & G Idaho Inc.]** Jackson, WY (S. E. Jones, TSB #4, EG & G Idaho, PO Box 1625, Idaho Falls, ID 83415 [(208)526-0119]) [3/31/84]
- 10-12 → **96th Sci Mtg of the Astronomical Society of the Pacific** Santa Cruz, CA (Santa Cruz Meeting, A.S.P., 1290 24 Ave., San Francisco, CA 94122 [(415)661-8600])
- 10-13 **164th AAS Mtg** Baltimore, MD 5/83
- 10-14 **5th Int Cong on Experimental Mechanics** Montreal 9/83
- 11-15 **7th Int Conf on Spectral Line Shapes** Aussois, France 9/83
- 12-14 → **10th Int Symp on Machine Processing of Remotely Sensed Data: Thematic Mapper Data and Geographic Information Systems [Lab for Applications of Remote Sensing]** West Lafayette, IN (D. B. Morrison, Purdue Univ./LARS, 1291 Cumberland Ave., West Lafayette, IN 47906 [(317)494-6305]) [2/1/84]
- 12-15 **Top Mtg on Ultrafast Phenomena** Monterey, CA 7/83
- 18-19 → **Advances in Computational Methods for Boundary and Interior Layers** Dublin, Ireland (Bail III

GO



The ND SIX Portable Multichannel Analyzer goes with you every step of the way to provide precise radiation analysis whenever and wherever it is needed. The ND SIX is completely self-contained with built-in detector HV and preamp power supplies, spectroscopy amplifier, mini-cassette mass storage, 2048 data channels—and it weighs only 15 lbs. Rain or shine, indoors or out, it operates for up to eight continuous hours. Then, simply recharge it overnight and be ready in the morning for another full day of measurement and analysis. The ND SIX goes with you and puts you in touch with the outside world—where decisions are made. Ask for information on the ND SIX and the other members of the Nuclear Data Family of Sixes.

ND SIX

ND

Nuclear Data Inc

Instrumentation Division
Golf and Meacham Roads
Schaumburg, Illinois 60196
Tel: 312-884-3621

PHYSICS SHOW-BOOTH #17
Circle number 47 on Reader Service Card

Organizing Comm., PO Box 5, 51 Sandycove Rd., Dun Laoghaire, Co. Dublin, Ireland)

- 18-20 **1984 Physical Electronics Conf** Princeton, NJ 5/83
- 18-21 **1984 Cong of Canadian Assoc of Physicists** Sherbrooke, Qué. 11/83
- 19-22 **OSA/IEEE Conf on Lasers and Electro-Optics and 13th Int Quantum Electronics Conf** Anaheim, CA 5/83
- 20-22 **3rd Int Conf on Boundary and Interior Layers: Computational and Asymptotic Methods** Dublin, Ireland (Bail III Organizing Comm., PO Box 5, 51 Sandycove Rd., Dun Laoghaire, Co. Dublin, Ireland)
- 24-28 **9th Int CODATA Conf** Jerusalem (Secretariat, 9th Int CODATA Conf., PO Box 4413, 61044 Tel-Aviv, Israel)
- 25-29 **AAPT Mtg** College Park, MD 11/83
- 25-7 **25th COSPAR Mtg** Graz, Austria (LOC XXV COSPAR, c/o Space Research Inst., Austrian Academy of Sci., Inffeldgasse 12, A-8010 Graz, Austria)
- 26-27 **Short Course on Biological Effects and Dosimetry in Diagnostic X-Ray and Nuclear Medicine** San Antonio, Texas (M. Rennels, Med. Sch. Continuing Ed. Ser., Univ. of TX Health Sci. Ctr., 7703 Floyd Curl Dr., San Antonio, TX 78284 [(512)691-6295])

JULY 1984

- 2-4 **2nd Int Symp on Applications of Laser Anemometry to Fluid Mechanics** Lisbon, Portugal 7/83
- 2-6 **1984 Nuclear EMP Mtg** Baltimore, MD 9/83
- 2-6 **3rd Trieste IUPAP Semiconductor Symp: High Excitation and Short Pulse Phenomena** Trieste, Italy (M. Pilkuhn, Phys. Inst., Univ. Stuttgart, Pfaffenwaldring 57, D-7000 Stuttgart 80)
- 3-6 **Int Conf on Crystal Growth and Characterization of Polytype Structures** Marseilles, France (A. Baronnat, CRMCC, CNRS, Campus Luminy, Case 913, 13288 Marseilles, Cedex 9, France)
- 8-11 **4th Int Conf on Mechanics in Medicine and Biology** Buffalo, NY 9/83
- 8-21 **1984 Summer Sem in Applied Mathematics** [American Mathematical Soc.] Santa Fe, NM (B. A. Verducci, Meetings Dept., AMS, PO Box 6248, Providence, RI 02940 [(401)272-9500 X242])
- 9-12 **IAU Colloq: Properties and Interactions of Interplanetary Dust** Marseille, France (P. Lamy, Laboratoire d'Astronomie Spatiale, Les Trois Lucs, 13012 Marseille, France)
- 9-13 **7th Eur Symp on Antiproton Interactions** Durham, UK 9/83
- 9-13 **Int Conf on the Effects of Modes of Formation on the Structure of Glasses** Nashville, TN 11/83
- 15-19 **5th World Hydrogen Energy Conf** Toronto 5/83
- 15-21 **Ann Mtg of AAPM** Chicago 9/83

- 16-20 **3rd Int Conf on EXAFS Stanford Synchrotron Radiation Lab** Stanford, CA (K. Cantwell, SLAC Bin 69, PO Box 4349, Stanford, CA 94305 [(415)854-3300 x 2874])
- 16-20 **Int Cont on Ion Beam Modification of Materials** Ithaca, NY (J. W. Mayer, IBMM '84, Bard Hall, Cornell Univ., Ithaca, NY 14853)
- 17-27 **10th Int School on Disarmament and Research on Conflicts** Venice, Italy (C. Schaerf, Ist. di Fisica, I Università di Roma, Piazzale Aldo Moro 2, I-00185 Roma)
- 22-28 **AAPM Summer School: Recent Developments in Digital Imaging** South Bend, IN 7/83
- 23-25 **1984 Summer Computer Simulation Conf** Boston, MA 11/83
- 23-27 **4th Int Conf on Clustering Aspects of Nuclear Structure and Nuclear Reactions** Chester, UK 5/83
- 23-27 **3rd Int Conf on Infrared Phys** Zurich (F. Kneubühl, Solid State Phys Lab., ETN Hoenggberg, CH-8093, Zurich, Switz.)
- 23-3 **1984 SLAC Summer Inst on Particle Phys** Stanford, CA (P. McDonough, SLAC Summer Inst., Bin 62, Stanford, CA 94305)
- 24-27 **8th IEEE Int Conf on Conduction and Breakdown in Dielectric Liquids** Pavia, Italy 7/83
- 29-4 **8th Int Biophysics Cong** Bristol, UK (Cong. Sec., Meon Conf. Services, Petersfield, Hampshire GU32 3JN, UK)

AUGUST 1984

- 1-3 **The Phys of VLSI** Palo Alto, CA (K. Saraswat, McCullough 118, Stanford Univ., Stanford, CA 94305 [(415)497-2956])
- 1-4 **Top Conf on Optical Effects in Amorphous Semiconductors** Salt Lake City, UT 7/83
- 1-7 **Les Houches 43: Critical Phenomena, Random Systems, Gauge Theories** [Univ. Scientifique et Médicale de Grenoble, NATO] Les Houches, France (Ecole d'Été de Phys. Théorique, Côte des Chavants, 74310 Les Houches, France) [3/1/84]
- 2-13 **Advanced Study Inst on Techniques and Concepts of High Energy Phys** St. Croix, US Virgin Islands 11/83
- 4-14 **27th Int Geological Cong** Moscow (Sec., 27th Int. Geological Cong., Inst. of Lithosphere, Academy of Sciences, 22 Staromonetny, Moscow 109180, USSR)
- 6-10 **Int Conf on the Phys of Semiconductors** San Francisco 7/83
- 6-17 **NATO Adv Study Inst: Stability of the Solar System and Its Minor Natural Artificial Bodies** Austin, TX (V. Szebehely, Dept. Aerospace Eng., Univ. of TX, Austin, TX 78712 [(512)471-5962]) [4/1/84]
- 9-18 **Int Union of Crystallographers 13th Cong** Hamburg, FRG 7/83
- 12-17 **Mtg of the Electron Microscopy Soc of America** Detroit (C. E. Lyman, Central Research & Develop-

ment Dept., E.I. Du Pont, Experimental Sta., Wilmington, DE 19898 [(302)772-4887]) [3/15/84]

- 13-14 **Top Mtg on Industrial Applications of Computer Tomography and NMR Imaging** Manitoba, Canada (OSA, 1816 Jefferson Pl. NW, Washington, DC 20036)
- 13-16 **1st Int Conf on the Structure of Surfaces** Berkeley, CA 11/83
- 13-16 **Int Conf on Superlattices, Microstructures and Microdevices** [Univ. of Notre Dame] Champaign-Urbana, IL (J. D. Dow, Dept. of Phys., Univ. of Notre Dame, Notre Dame, IN 46556 [(219)239-6407]) [3/15/84]
- 13-17 **6th Int Conf on Thin Films** Stockholm 7/83
- 13-17 **Int Conf on Luminescence** Madison, WI 7/83
- 13-17 **12th Int Laser Radar Conf** [Int. Radiation Comm. of IAMAP] Aix-en-Provence, France (G. Megie, BP 3, Service D'Aéronomie, CNRS, 91370-Verrières Le Buisson, France) [3/1/84]
- 13-17 **IUPAC Conf on Chem Thermodynamics/39th Ann Calorimetry Conf** [McMaster Univ.] Hamilton, Ontario (P. A. G. O'Hare, Argonne Nat. Lab., Chem. Technology Div., Argonne, IL 60439 [(312)972-4535])
- 13-18 **8th Eur Cong on Electron Microscopy** Budapest, Hungary (Congress Bureau, MOTESZ, Budapest, POB32, H-1361, Budapest, Hungary)
- 15-17 **1984 Int Conf on Information Processing in Optics** Christchurch, New Zealand (R. H. T. Bates, Dept. of Electrical Eng., Univ. of Canterbury, Christchurch 1, New Zealand)
- 15-17 **Int Conf on Progress in Optical Physics** [ICO-Australian Acad. of Science] Melbourne, Australia (I. J. Wilson, CSIRO Div. of Chem. Phys., PO Box 160, Clayton, Vic. Australia 3168) [2/15/84]
- 15-22 **17th Int Conf on Low Temperature Phys** Karlsruhe, FRG 9/83
- 20-24 **Conf on Precision Electromagnetic Measurements** Delft, The Netherlands 7/83
- 20-24 **5th Int Symp on Gas Flow and Chem Lasers** St. Catherine's College, Oxford, UK 7/83
- 20-24 **Int Conf on Defects in Insulating Crystals** Salt Lake City, UT 9/83
- 20-24 **13th Conf on the Int Comm for Optics** Sapporo, Japan (S. Fujiwara, ICO-13, Sapporo c/o Simul Int., Kowa Bldg. No. 9, 1-8-10, Akasaka, Minato-ku, Tokyo 107, Japan)
- 20-24 **7th IUPAC Conf on Phys Organic Chem** Auckland, New Zealand (B. R. Davis, Dept. of Chem., Univ. of Auckland, Private Bag, Auckland, New Zealand)
- 20-25 **Conf on Phys Education** Utrecht, The Netherlands 7/83
- 20-25 **Int Conf on X-Ray and Inner-Shell Processes in Atoms, Molecules and Solids** Karl-Marx-Universität Leipzig, DDR 9/83
- 21-24 **Phys in Collision IV** [Univ. of CA] Santa Cruz, CA (G. Hamel, Inst. for Particle Phys., Univ. of CA, Santa Cruz, CA 95064 [(408)429-2635])

- 26-29 **Int Top Mtg on Fuel Reprocessing and Waste Management** Jackson Hole, WY 9/83
- 27-29 **8th Int Colloquium on Extreme uv and x-ray Spectroscopy of Astrophysical & Laboratory Plasmas** Washington, DC 9/83
- 27-31 **Symp on Transport Processes in Membranes and Epithelia: Osmotic and Ionic Regulation** Liege, Belgium 9/83
- 27-31 **3rd Int Conf on Solid Films and Surfaces** Sydney, Australia 11/83
- 27-31 **6th Gen Conf of the Eur Phys Soc** Prague, Czech (Phys. Sec., Union of Czech. Mathematicians & Physicists, Na Slovance 2, 182 00, Prague 8, Czech.)
- 27-31 **Australian Inst of Phys 6th Nat Cong** [Queensland Inst. of Technology] Brisbane, Queensland (H. D. Ellis, Dept. of Phys., Queensland Inst. of Technology, Box 2434, GPO, Brisbane, Q 4001, Australia)
- 27-6 **21st Gen Assembly of Int Union of Radio Science** Florence, Italy (V. Cappellini, IROE, Via Panciatichi 64, 50127, Firenze, Italy)
- 27-8 **NATO Advanced Study Inst on Nonequilibrium Phonon Dynamics** [Max-Planck-Inst. for Festkörperforschung] Les Arcs, France (W. E. Bron, Dept. of Phys., Indiana Univ., Bloomington, IN 47405)
- 28-6 **Dynamical Systems: Renewal of Mechanism** [Fondation Louis de Broglie] Peyresq, France (S. Diner, Fondation Louis de Broglie, 1 rue Montgolfien, 75003 Paris, France)
- 28-7 **Int School of Plasma Phys—Plasma Astrophysics** Varenna, Italy 7/83

SEPTEMBER 1984

- 3-6 **10th Eur Conf of Optical Communication** Stuttgart, FRG (OSA, 1816 Jefferson Pl., Washington, DC 20036)
- 3-7 **5th Int Conf on Rapidly Quenched Metals** Würzburg, FRG 9/83
- 6-7 **2nd Int Conf on Optical Fiber Sensors** Stuttgart, FRG 11/83
- 6-7 **8th Int Macromolecular Symp: Macromolecules: Interdisciplinary Developments** [Ecole Polytechnique Federale] Interlaken, Switz. (H. H. Kausch, Inst. für Organische Chem., Univ. Bern, Freiestrasse 3, 3012, Bern, Switz.)
- 10-12 **Int Sem on ORC-Tech: New Working Fluids for Energy Eng Alternative Heat Power Processes** Zürich, Switz. 11/83
- 13-14 **Kinetics and Mass Transport of Silicate & Oxide Systems** [Mineralogical Soc. of Great Britain IOP, British Ceramic Soc, Polar Solids Disc. Group] London, UK (R. Freer, Dept. Electrical & Electronic Eng., North Staffordshire Polytech., Beaconsfield, Stafford ST18 0AD)
- 17-21 **9th Eur Conf on Thermophysical Properties** Manchester, UK 7/83
- 17-21 **7th Int Conf on Textures of Materials** The Netherlands 9/83

- 21-24 **Int Mtg on Photophysics and Photochemistry above 6 eV** Bombannes, France 11/83
- 24-28 **11th Int Symp on Discharges and Electrical Insulation in Vacuum** Berlin, GDR 11/83
- 25-28 **Energy Pulse Modification of Semiconductors and Related Materials** Dresden, GDR 11/83

OCTOBER 1984

- 8-12 **108th ASA Mtg** Minneapolis, MN 7/83
- 8-13 **9th Int Congress on Rheology** Acapulco, Mex. 7/83
- 9-12 **37th Gaseous Electronics Conf** Boulder, CO 7/83
- 15-17 **Workshop on Nuclear Phys with Stored Cooled Beams** Bloomington, IN 11/83
- 16-18 **1984 Int Symp on Electromagnetic Compatibility** Tokyo (T. Takagi, Tohoku Univ. Dept. of Comm., Sendai, Japan 980)
- 18-20 **APS Nuclear Phys Div** Nashville, TN 7/83
- 21-26 **5th Int Mtg on Radiation Processing** San Diego, CA 9/83
- 22-24 **1984 Int Symp on Noise and Clutter Rejection in Radars and Imaging Sensors** Tokyo 11/83
- 22-26 **9th Int Conf on Infrared & Millimeter Waves** [IEEE Microwave Theory & Techniques Soc., Int. Union of Radio Science] Takarazuka, Osaka, Japan (K. J. Button, M.I.T. Nat. Magnet Lab., Cambridge, MA 02139 [(617)253-5561])
- 27-3 **APS Plasma Phys Div** Boston 7/83
- 29-31 **1984 SERI Photovoltaic R and D 6th Ann Review** Denver, CO (K. Blattenbauer, SERI, 1617 Cole Blvd., Golden, CO 80401 [(303)231-1385])
- 29-2 **OSA Ann Mtg** San Diego, CA 7/83
- 30-31 **7th Ann Newport Conf on Fiber-optic Markets** Newport, RI (Conf Coord., Kessler Marketing Intelligence, 22 Farewell St., Newport, RI 02840 [(401)849-6771])

NOVEMBER 1984

- 11-14 **8th Conf on the Application of Accelerators in Research and Industry** Denton, TX 11/83
- 18-20 **APS Fluid Dynamics Mtg** Providence, RI 9/83
- 25-30 **Joint AAPM—Radiological Soc of N Amer Mtg** Washington, DC 9/83

DECEMBER 1984

- 4-7 **31st National Vacuum Symp** Reno, NV 9/83
- 4-10 **6th Int Conf on Fracture** New Delhi, India 9/83

Save

The ND62 computer terminal/multichannel analyzer saves time and money for those now measuring radiation with scalars, hardwired MCA's and other manual systems. Wherever radiation is used, the ND62 makes learning more interesting, research more meaningful and dose calibration and radiation monitoring more efficient and reliable. It offers a significant increase in data acquisition, processing, display and analysis functions and a wide range of input-output modes including computer terminal capability and communications. Its many significant features include:

- 1024 or 2048 data channels
- 80 MHz ADC
- PHA or MCS modes
- Energy calibrated display
- Simple ASCII keyboard operation
- Built-in RS232C serial I/O interface

Send for complete details.



ND62 MCA

ND

Nuclear Data Inc

Instrumentation Division
Golf and Meachum Roads
Schaumburg, Illinois 60196
Tel: 312-884-3621

PHYSICS SHOW-BOOTH #17

Circle number 48 on Reader Service Card

The AIP Center
for History of Physics

Let's Make History

The history of physics must be preserved, accurately and fully. Otherwise physicists, their students, and the public will scarcely be able to understand the development of physics and its deep importance for our civilization.

The AIP Center for History of Physics is dedicated to promoting better understanding of the history of physics and its meaning for society. Programs include:

- Aid to physicists and their families in preserving their papers at appropriate repositories.
- Reference services for textbook writers, historians, and the public.
- Historical research, publications, exhibits.
- A *Newsletter* available free on request.
- The extensive collections of the *Niels Bohr Library*: personal papers of physicists . . . archival records of physics societies . . . oral history interviews conducted by the Center and others . . . photographs . . . etc.

We Need Your Support

The Center relies on the cooperation and financial support of the physics community. Join us as a Friend of the Center for History of Physics by sending your tax-deductible contribution (any size is welcome) to:
Center for History of Physics
American Institute of Physics
333 East 45th Street
New York, N.Y. 10017



10-12 → **4th Biennial Symp: Expanding Horizons in Thin Layer Chromatography** [Assoc. for Thin Layer Chromatography] Philadelphia (J. C. Touchstone, Univ. of Penn. Dept. Ob-Gyn., 3400 Spruce St., Philadelphia, PA 19104 [(215)662-2082])

JANUARY 1985

13-16 **165th AAS Mtg** Tucson, AZ 11/83
20-24 **APS/AAPT Gen Mtg** Toronto 9/83

FEBRUARY 1985

11-14 **Top Mtg on Optical Fiber Communication** [OSA, IEEE] San Diego, CA 11/83

MARCH 1985

25-29 **APS Gen Mtg** Baltimore 11/83

APRIL 1985

8-12 **109th Ann Mtg of ASA** Austin, TX 11/83
22-26 **14th Int Symp on Acoustical Imaging** The Hague, The Netherlands 11/83
25-27 **APS Spring Mtg** Washington, DC 11/83

MAY 1985

13-17 → **Int Conf on Nuclear Data for Basic and Applied Sci** Los Alamos, NM (P. Young, Los Alamos Nat. Lab., MS B243, Los Alamos, NM 87545)
22-25 **Conf on Lasers and Electro Optics** [OSA, IEEE] Baltimore 11/83
23-28 **AAAS Ann Mtg** Los Angeles 11/83
24-6 → **Conf on Determination & Interpretation of Small Structural Differences** Erice, Italy (L. Riva di Sanseverino, Int. School of Crystallography, Piazza Porta, San Donato 1, 40127 Bologna, Italy)

JUNE 1985

17-21 **AAPT Mtg** Flagstaff, AZ 11/83

JULY 1985

14-19 → **Conf on the Dynamics of Molecular Collisions** Snowbird, UT (D. Truhlar, Dept. of Chem., Univ. of MN, Minneapolis, MN 55455) [4/1/85]

AUGUST 1985

11-15 **27th Ann Mtg of AAPM** Seattle, WA 11/83

OCTOBER 1985

14-17 → **OSA Ann Mtg** Washington, DC (OSA, 1816 Jefferson Pl., Washington, DC 20036)

NOVEMBER 1985

4-8 **110th Ann Mtg of ASA** Nashville, TN 11/83
18-22 → **32nd Nat Vacuum Symp** Houston, TX (N. Hammond, AVS, 335 E. 45 St., New York, NY 10017)

JANUARY 1986

27-30 → **APS/AAPT Mtg** Atlanta, GA (W. Havens Jr., 335 E. 45 St., New York, NY 10017)

MARCH 1986

24-29 → **APS Mtg** San Diego, CA (W. Havens Jr., 335 E. 45 St., New York, NY 10017)

MAY 1986

12-16 → **111th ASA Mtg** Cleveland, OH (B. Goodfriend, ASA, 335 E. 45 St., New York, NY 10017)

OCTOBER 1986

26-31 **33rd AVS Nat Vacuum Symp** Baltimore, MD (N. Hammond, AVS, 335 E. 45 St., New York, NY 10017)

NOVEMBER 1986

10-14 → **33rd National Vacuum Symp** Boston [AVS] (N. Hammond, AVS, 335 E. 45 St., New York, NY 10017)

OCTOBER 1987

2-7 **35th AVS Nat Vacuum Symp** Atlanta, GA (N. Hammond, AVS, 335 E. 45 St., New York, NY 10017)

27-30 **34th AVS Nat Vacuum Symp** San Diego, CA (N. Hammond, AVS, 335 E. 45 St., New York, NY 10017)

NOVEMBER 1987

16-20 → **114th ASA Mtg** (B. Goodfriend, 335 E. 45 St., New York, NY 10017)

MAY 1988

16-20 → **115th ASA Mtg** Seattle, WA (B. Goodfriend, ASA, 335 E. 45 St., New York, NY 10017) □