

calendar

MAY 1976

- 10-12 **Super Ionic Conductors** [G.E. Co.] Schenectady, N.Y. 1/76
- 10-13 **Electromagnetic Isotope Separators and Related Ion Accelerators** [Organizing Committee] Kibbutz Kiryat Anavim, Israel 7/75
- 11-13 • **Nonbiological Transport and Transformation of Pollutants on Land and in Water** [NBS] Gaithersburg, Md. (L. H. Gevantman, Admin Bldg A523, NBS, Washington, D.C. 20234)
- 11-14 **6th Int Cryogenic Engineering Conf and Exhibition** [Int Cryogenic Engineering Committee; Centre de Recherches sur les Très Basses Températures] Grenoble, France [11/15/75] 9/75
- 11-14 **Electro 76** [IEEE] Boston, Mass. [10/10/75] 3/76
- 11-16 • **Groundwater Protection: Impact of New State and Federal Legislation** [Virginia Polytech Inst and State Univ] Blacksburg, Va. (W. R. Walker, VPI and SU, Blacksburg, Va. 24060)
- 17-21 • **Design of Optical Systems** [Univ of Wisconsin Dept of Engineering] Madison, Wisc. (Univ of Wisc. Extension, Dept of Engineering, 432 N. Lake St, Madison, Wisc. 53706)
- 18-21 **5th Eur. Conf on Thermophysical Properties of Solids at High Temps** [Inst for High Temps] Moscow, USSR 1/76
- 18-22 • **Symp on Supernova Remnants, Planetary Nebulae, and Extragalactic Radio Sources** [Astronomical Society of the Pacific] Berkeley, Calif. (ASP Scientific Info, 1244 Noriega St, San Francisco, Calif. 94122)
- 19-21 **ERDA Symp on X- and Gamma-Ray Sources and Applications** [US ERDA; Edsel B. Ford Inst for Medical Research; Mich. Memorial-Phoenix Project of Univ. of Mich.; Ford Motor Co; General Motors] Ann Arbor, Mich. [1/30/76] 9/75
- 19-21 **Symp on Nondestructive Testing**

Standards [NBS] Wash., D.C. 3/76

- 19-26 **3rd Int Conf on Nuclei far from Stability** [Organizing Committee] Cargese, Corsica, France [1/31/76] 7/75
- 23-26 **Nat'l Waste Processing Conf & Exhibit** [ASME] Boston, Mass. [5/1/75] 5/75
- 24 **2nd Northeast Hyperfine Interactions Conf.** [Rutgers] New Brunswick, N.J. 3/76
- 24-26 **15th Symp on Engineering Aspects of Magnetohydrodynamics** [Steering Committee] Phila., Pa. 1/76
- 24-26 **Plasma Science Int Conf** [Organizing Committee] Austin, Tex. 7/75
- 24-28 • **Int Seminar on Nuclear Fuel Quality Assurance** [IAEA] Oslo, Norway (IAEA, Karntner Ring 11, P.O. Box 590, A-1011 Vienna, Austria)
- 24-28 • **Int Conf on Meson-Nuclear Physics** [ERDA; NSF] Pittsburgh, Penna. P.D. Barnes, Physics Dept, Carnegie-Mellon Univ, Schenley Park, Pittsburgh, Penna. 15213
- 24-29 **Workshop on Instructional Media for Science Teaching** [Tex. A&M Univ] College Station, Tex. 9/75
- 25-27 **First Conf on Laser and Electro-optical Systems** [IEEE; OSA] San Diego, Cal 1/76

JUNE 1976

- 2-4 **Annual Frequency Control Symp** [Dept of the Army] Atlantic City, N.J. [1/23/76] 1/76
- 6-10 **Conf on Neutron Scattering** [ORNL] Gatlinburg, Tenn. [2/1/76] 1/76
- 7-9 **Physical Electronics Conf** [APS] Madison, Wis. 9/75
- 7-18 **Int Symp on Solar-Terrestrial Physics** [AGU] Boulder, Colo. 3/75
- 8-10 **Int Conf on Scientific Applications of Lunar Laser Ranging** [IUGG/COSPAR] Austin, Texas 1/76
- 8-11 **10th Annual June Inst of Modern Astronomy and Astrophysics** [Univ of

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

Abbreviations:

AAPM American Association of Physicists in Medicine
AAPT American Association of Physics Teachers
AAS American Astronomical Society
ACA American Crystallographic Association
APS American Physical Society
ASA Acoustical Society of America
AVS American Vacuum Society
OSA Optical Society of America
SPS Society of Physics Students
S of R Society of Rheology

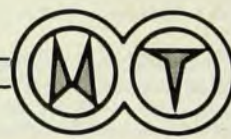
AAAS American Association for the Advancement of Science
AGU American Geophysical Union
ANS American Nuclear Society

ASME American Society of Mechanical Engineers
ASTM American Society for Testing and Materials
EPS European Physical Society
ERDA Energy Research and Development Administration
IAEA International Atomic Energy Agency
IEEE Institute of Electrical and Electronics Engineers
IOP The Institute of Physics
IUPAP International Union of Pure and Applied Physics
NAS National Academy of Sciences
NBS National Bureau of Standards
NRC Nuclear Regulatory Commission
NSF National Science Foundation
ORNL Oak Ridge National Laboratory

50 MHz BASIC SCALER



Model 720
\$395.00



- Six Digit, Seven Segment Display
- Six Decades
- 50 MHz Negative Input, 20 MHz Positive Discriminator Input

Mech-Tronics

NUCLEAR

430A Kay Ave., Addison, IL 60101

**For more information
 WRITE OR CALL COLLECT
 (312) 543-9304**

Circle No. 81 on Reader Service Card

This is a complete listing of physics-related meetings known to us. A complete calendar will appear in alternate months (no calendar in other months). Those wishing to submit items should send complete information at least *three months* before the notice should appear.

Toronto] Toronto, Canada 3/76

- 8-19 • **COSPAR-19th Meeting** [Int Council of Scientific Unions; NAS] Phila., Penna. (D. P. Kastel, *Space Science Board, NRC, 2101 Constitution Ave, Washington, D.C. 20418*)
- 9-11 **Int Microsymp on the Crystallization and Fusion of Polymers** [Soc Chimique Belge; Groupe Francais des Polymeres] Univ de Louvain [11/15/75] 1/76
- 14-16 **7th Annual Conf on Computers in Undergrad Curricula** [SUNY Binghamton] Binghamton, N.Y. [1/15/76] 1/76
- 14-17 **APS Meeting** [APS] Quebec, Canada (M. L. Jento, *Exec Secretary, Canadian Assoc of Physicists, 151 Slater, Suite 903, Ottawa, Ontario K1P 5H3*)
- 14-18 **Quantum Electronics Conf** [EPS; Dutch Phys Soc; Physica (Neth.); AIP; IEEE] Amsterdam, Neth 1/76
- 14-18 **9th Symp on Fusion Technology** [Organizing Committee] Garmisch-Partenkirchen, Germany 1/76
- 14-18 **31st Annual Symp on Molecular Structure and Spectroscopy** [Ohio State Univ] Columbus, Ohio [3/1/76] 1/76
- 15-18 **Joint Int Magnetism and Magnetism and Magnetics Materials Conf and Exhibit** [IEEE] Pittsburgh, Pa. 9/75
- 15-19 **Int Symp on Selected Topics in Nuclear Structure** [Lab of Theoretical Physics] Dubna, USSR 9/75
- 21-23 **Device Res Conf** [IEEE] Salt Lake City, Utah [4/9/76] 3/76
- 21-24 **The 148th Meeting** [AAS] Haverford, Pa. 7/73
- 21-25 **5th Int Conf on Solid Compounds of Transition Elements** [Inst of Chemistry] Uppsala, Sweden [2/1/76] 9/75
- 21-25 **7th Int Colloquium on Multiparticle Reactions** [Max-Planck-Institut] Munich, Germany 1/76
- 22-25 **Radial Shape of Nuclei** [EPS] Cracow, Poland [9/31/75] 1/76
- 23-25 **Summer Meeting** [AAPT] Rolla, Mo. [4/1/76] 3/76
- 23-25 **Solid-Vacuum Interface IV** [Philips Res Labs] Eindhoven, Neth. [5/15/76] 9/75
- 27-2 □ **Int Conf on Teaching Physics for Related Professions** [AAPT] Cambridge, Mass. (A.P. French, *Physics Dept, MIT, Cambridge, Mass. 02139*)
- 28-1 **5th Int Conf** [CODATA; ICSU] Boulder, Colo. [11/1/75] 7/75
- 28-1 **Heating of Plasma Confined in Toroidal Devices** [Organizing Committee] Grenoble, France 9/75
- 28-1 **Precision Electromagnetic Measurements** [NBS] Boulder, Colo. 9/75
- 28-2 **Metal-Nonmetal Transitions** [Int Committee] Grenoble, France (*Secretary, Colloquium on Metal-Nonmetal Transitions, C.N.R.S.-Groupe des Transitions de Phases, B.P. 166 X-38042 Grenoble, France*) [3/10/76]
- 29-1 □ **Topical Conf on Weak Interactions** [IOP Nuclear Physics subcommittee] Sussex, UK [5/15/76]

JULY 1976

- 5-7 • **Theoretical Methods in Polymer Physics** [IOP] Leeds, UK (*Meetings Officer, IOP, 47 Belgrave Sq, London*)

SW1X 8QX, UK)

- 5-9 **Group Theoretical Methods in Physics—5th Int Colloquium** Montreal, Canada [5/15/75] 3/76
- 6-9 □ **Int Conf on the Interactions of Neutrons with Nuclei** [IUPAP; ANS; APS; IOP; NSF; ERDA] Lowell, Mass. (E. Sheldon, *Dept of Physics, Univ of Lowell, University Ave, Lowell, Mass. 01854*) [4/1/76] 9/74
- 7-10 • **Transfer Processes in Laser-Produced Plasmas** [Lawrence Livermore, Los Alamos and Sandia Labs] Mt Lassen Nat'l Park, Calif. (J. Perlman *Sandia Lab, mail stop 5214, Albuquerque, N. Mex. 87115*)
- 11-16 • **Wind Energy Conversion** [Engineering Foundation] Henniker, New Hampshire (*Engineering Foundation, 345 E 47th St, N.Y., N.Y. 10017*)
- 12-14 **Computer Simulation Conf** [AIAA] Washington, D.C. [12/175] 7/75
- 12-15 **6th Annual Intersociety Conf on Environmental Systems** [ASME] San Diego, Cal. 1/76
- 12-16 **Low Temperature Nuclear Orientation** [EPS] Oxford, UK [5/1/76] 3/76
- 2-16 **Properties of Liquid Metals—3rd Int Conf** [IOP] Bristol, UK 7/74
- 13-15 • **Optical Materials for High Power Lasers Symp** [NBS; ASTM] Boulder, Colo. (A. J. Glass, *Lawrence Livermore Lab, L-547, Livermore, Calif. 94550*) [6/1/76]
- 13-16 **Electromagnetic Compatibility Int Symp** [IEEE] Washington, D.C. 7/75
- 13-16 **8th Annual Conf on Atomic Spectroscopy** [EPS Eur Group for Atomic Spectroscopy] Oxford, UK 1/76
- 14-16 • **5th Nat'l Vacuum Conf and Exhibition** [Vacuum Physics Group] Brisbane, Australia (*Queensland State Branch, Australian Inst of Physics, Queensland Inst of Tech, Brisbane, Australia*)
- 18-22 **12th Rare Earth Res Conf** [Organizing Committee] Vail, Colo. [3/1/76] 1/76
- 18-23 **Intersociety Conf and Expo on Transportation** [ASME; IEEE] Los Angeles, Cal. [1/15/76] 3/76
- 19-20 • **Photoelectron Spectroscopy** [IOP Spectroscopy Group] Reading, UK (A. W. Potts, *Dept of Physics, King's College, London WCR 2LS UK*)
- 25-30 **Medical Physics—4th Int Conf and AAPM Annual Meeting** [Int Organization for Medical Physics] Ottawa, Canada 10/73; 3/76
- 25-30 • **Technology Assessment: Evaluation of 10 Years Experience** [Engineering Foundation] Henniker, New Hampshire (*Engineering Foundation, 345 E 47th St, N.Y., N.Y. 10017*)
- 25-31 **Res Conf on Instrumentation Science** [Instrument Society of Amer.] Geneva, N.Y. 1/76
- 26-30 **5th Int Conf on Atomic Physics** [AEC] Berkeley, Cal. 3/75
- 26-30 • **27th Annual Fisk Inst** [Fisk Univ; Vanderbilt Univ; Tenn. Dept of Public Health] Nashville, Tenn. (*Director, Fisk Inst, Box 8, Fisk Univ, Nashville, Tenn. 37203*)
- 27-30 • **Microwave Power Symp** [Int Microwave Power Inst] Louvain, Belgium (W. R. Tinga, *IMPI, Box 1556, Edmonton, Alberta, Canada T5J 2N7*)

AUGUST 1976

- 2-6 **Int Symp on Design of and Equip for Hot Labs** [IAEA] Otaniemi, Finland [1/31/76] 1/76
- 2-6 • **23rd Int Field Emission Symp** [Steering Committee] University Park, Penna. (T. T. Tsong, *Physics Dept, 104 Davey Lab, Penna. State Univ, University Park, Penna. 16802*)
- 4-6 • **Applications of X-Ray Analysis—25th Annual Conf** [ACA] Denver, Colo. (C. O. Ruud, *Denver Res Inst, Univ of Denver, Denver, Colo. 80210*)
- 8-13 **Crystallography** [ACA] Evanston, Illinois 3/75
- 8-14 • **World Science Communication Cong** [Int Scientific Film Assoc; L'Assoc Int du Cinema Scientifique] Phila., Penna. (*SCI/COM '76, Univ City Science Ctr, 3624 Market St, Phila., Penna. 19104*)
- 8-13 • **Engineering Implications of Resource Scarcity** [Engineering Foundation] Henniker, New Hampshire (*Engineering Foundation, 345 E 47th St, N.Y., N.Y. 10017*)
- 10-12 • **Symp on Zirconium in the Nuclear Industry** [ASTM] Quebec City, Canada (H. M. Cobb, *ASTM, 1916 Race St, Phila., Penna. 19103*)
- 15-21 **16th Int Combustion Symp** [Combustion Institute] Cambridge, Mass. 3/76
- 17-20 **Applied Superconductivity Conf** [Stanford Univ] Palo Alto, Cal. 7/75
- 22-27 **6th Int Liquid Crystal Conf** [Organizing Committee] K [4/1/76] 1/76
- 23-26 **Int Conf on Particle Induced X-ray Emission** [Lund Institute of Technology] Lund, Sweden 3/76
- 23-26 **4th Int Conf on Positron Annihilation** [Int Scientific Advisory Committee] Elsinore, Denmark 1/76
- 23-26 **Int Conf on Application of Holography and Optical Data Processing** [Int Commission for Optics] Haifa, Israel 5/75
- 23-27 **Analysis of Geological Materials** [Int Assoc for Geochemistry and Cosmochemistry] Prague, Czechoslovakia [9/30/75] 9/75
- 23-27 • **Optic, Electro-Optic, Laser and Photographic Tech—20th Annual Symp** [SPIE] San Diego, Calif. (*Soc of Photo-Optical Instrumentation Engineers, P. O. Box 1146, Palos Verdes Estates, Calif. 90274*)
- 23-27 **7th Int Cong on Rheology** Gothenburg, Sweden 9/74; 3/76
- 23-27 **Int Seminar on Packaging for the Safe Transport of Radioactive Materials** [IAEA] Vienna, Austria [4/1/76]
- 23-27 **Symp on High Energy Physics with Polarized Beams and Targets** [Argonne Univ Assoc] Argonne, Ill. 3/76
- 23-28 **Int Cong on Simulation of Systems** [Int Assoc for Analog Comp] Delft, Neth 1/76
- 24-27 **6th Int Materials Symp and 12th Annual Meeting of Univ Ceramics Conf** [Univ of Calif. Lawrence Berkeley Lab. and Dept of Materials Science and Engineering; Univ of N. Carolina; Notre Dame; Coll. of Ceramics at Alfred, N.Y.] Berkeley, Calif. 1/76
- 24-31 **Haifa Int Workshop** [Samuel Neaman Research Fund] Technion City, Haifa Topics in atomic physics related to nuclear experimentation 1/76; 3/76
- 25-27 **2nd Int Symp on Amorphous Magne-**

tism [APS] Troy, N.Y. 3/76

- 29-3 **Chapman Conf on State of Stress in the Lithosphere** [AGU] Aspen, Colo. 1/76
- 30-1 **Acoustical Imaging and Holography — 7th Int Symp** [Sonoscan, Inc] Chicago, Ill. [5/14/76] 3/76
- 30-3 **2nd Europhysical Topical Conf on Lattice Defects in Ionic Crystals** [Organizing Committee] West Berlin, Germany [2/28/76] 9/75
- 30-4 **Int Conf on Organic Conductors and Semiconductors** [Hungarian Academy of Sciences] Budapest, Hungary 3/76
- 30-3 **13th Int Conf on the Physics of Semiconductors** [IUPAP] Rome, Italy 7/75
- 30-4 **Int Union of Theoretical and Applied Mechanics Congress** [IUAM] Delft, The Netherlands 3/75

SEPTEMBER 1976

- 1-3 **Advances in Magnetic Materials and their Applications** [UK Inst of Electrical Engineers] London, UK [10/10/75] 9/75
- 1-3 **Annual Nat'l Electronics Conf and Communications Forum** [Nat'l Engineering Consortium] Chicago, Ill. (NEC, Inc, Oak Brook Exec Plaza #1, Suite 103, 1301 W 22nd St, Oak Brook, Ill. 60521)
- 1-3 **3rd Int Conf on Electrode Phenomena in Gas Discharges** [Organizing Committee] Lisbon, Portugal (Lab de Electrodinamica, Complexo Interdisciplinar, Av Rovisco Pais, Lisboa, Portugal)
- 1-4 **Conf on Crystal Field Effects in Metals and Alloys** [Organizing Committee] Zurich, Switzerland [5/1/76] 1/76
- 2-3 **Inst of Acoustics Conf and Exhibition** [Inst of Acoustics] Edinburgh, UK (Exhibitions Officer, Inst of Acoustics, 47 Belgrave Sq, London SW1X 8QX, UK)
- 6-8 **5th Semiconductor Laser Conf** [IEEE] Mie, Japan (T. L. Paoli, Bell Labs, Murray Hill, N.J. 07974) [5/31/76]
- 6-10 **Int Conf on Magnetism** [IUPAP] Amsterdam, The Netherlands 7/75
- 6-11 **8th Int Cong on Cybernetics** [Int Assoc for Cybernetics] Namur, Belgium [1/1/76] 1/76
- 6-17 **3rd Symp on Plasma Heating in Toroidal Devices** [Organizing Committee] Varenna, Italy 9/75
- 6-18 **DUMAND 1976 Summer Workshop** [Deep Underwater Muon and Neutrino Detectors] Topic large detectors for supernovae and cosmic ray neutrinos. Honolulu, Hawaii (A. Roberts, Fermi Lab, P.O. Box 500, Batavia, Ill. 60510)
- 7-9 **4th Int Conf on Gas Discharges** [IEEE; IOP; Inst of Electrical Engineers; Inst of Electronic and Radio Engineers; Welding Inst] Swansea, UK (A. Cunningham-Swendell, PR Officer, Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, UK)
- 12-17 **European Regional Conf on Electron Microscopy** [Organizing Committee] Jerusalem, Israel 5/75
- 12-18 **1st Eur Conf on Crystal Growth** [Organizing Committee] Zurich, Switz. [12/15/75] 1/76
- 13-15 **Int Conf on Magnetic Bubbles** [Organizing Committee] Eindhoven, Neth-

erlands 1/76

- 13-15 **Itinerant Electron Magnetism** [Organizing Committee] Oxford, UK 7/75
- 13-17 **Int Meeting on Small Particles and Inorganic Clusters** [Organizing Committee] Lyon, France (B. Cabaud, Dept of Physique des Matériaux, Univ Claude Bernard, Lyon I, 43 bd du 11, Villeurbanne, France) [3/31/76]
- 13-17 **3rd Int Conf on Spectral Line Shapes** [IOP] London, UK (Meetings Officer, IOP, 47 Belgrave Sq, London SW1X 8QX, UK) [6/1/76]
- 13-17 **Int Conf on Applications of the Mossbauer Effect** [Organizing Committee] Corfu, Greece [1/1/76] 1/76
- 13-24 **Joint Oceanographic Assembly** [Scientific Committee on Oceanic Research; Int Assoc of Physical Sciences of the Ocean; Int Assoc for Biological Oceanography; Commission on Marine Geology] Edinburgh, UK 3/75
- 14-16 **Electro-optics/Laser Conf and Expo** [Electro-optical Systems Design Magazine; Laser Inst of America; Soc of Photographic Scientists and Engineers] New York City 3/76
- 14-17 **Proton Linear Accelerator Conf** [Atomic Energy of Canada] Ontario, Canada [6/15/76] 1/76
- 15-17 **Int Conf on the Stratosphere and Related Problems** [NASA; Int Assoc of Meteorology and Atmospheric Physics; AGU] Logan, Utah (W. Huntress, Jet Propulsion Lab, Calif Inst of Tech, 4800 Oak Grove Dr, Pasadena, Calif. 91103) 3/76
- 16-18 **3rd Acoustic Emission Symp** [High Pressure Inst of Japan; Japanese Society for Nondestructive Inspection] Tokyo, Japan [5/1/76] 1/76
- 17-18 **Thermal, Acoustic and Viscoelastic Properties of Polymers** [IOP] Glasgow, UK [3/31/76] 1/76
- 17-20 **Int Symp on Experimental Gravitation** [Accademia dei Lincei] Pavia, Italy 1/76
- 19-22 **Symp on Gallium Arsenide and Related Compounds** [IOP Solid State Physics subcommittee] Edinburgh, UK 1/76
- 21-23 **Optical Group Conf** [IOP] York, UK Topics: Optical System Design, Image Detection and Processing, Fabrication of Components and Surfaces, Design and Instrumentation of High Power Laser Systems ... 1/76
- 12-26 **23rd Nat'l Vacuum Symp and New Products Seminar** [AVS] Chicago, Ill. (Meetings Officer, AVS, Westinghouse Res Labs, Beulah and Churchill Rds, Pittsburgh, Penna. 15235) [5/24/76]
- 21-23 **Tech of Controlled Nuclear Fusion** [ANS] Richland, Washington (P. O. Box 941, Richland, Washington 99352)
- 22-24 **Microanalytical Techniques** [IOP Electron Microscopy and Analysis Group] Liverpool, UK (Meetings Officer, IOP, 47 Belgrave Sq, London SW1X 8QX, UK)
- 24-26 **Instrumentation for Synchrotron Radiation Res** [Science Res Council] Warrington, UK [1/16/76] 3/76
- 25-28 **Study Conf on Dilution Refrigeration** [EPS] Lancaster, UK (C. J. Martin, Dept of Physics, Univ of Lancaster,

1976 Gordon Research Conferences

The 1976 Gordon Research Conferences will be held from 14 June to 3 September in New Hampshire and California. The conferences were established to stimulate research in universities, research foundations and industrial laboratories. This purpose is achieved by an informal type of meeting consisting of scheduled speakers and discussion groups.

Complete information about the conferences is available from A. M. Cruickshank, Gordon Research Conferences, Pastore Chemical Laboratory, University of Rhode Island, Kingston, R.I. 02881.

Some physics-related conferences include;

- Friction, Lubrication and Wear**, 14-18, June; **Nuclear Chemistry**, 21-25 June; **Catalysis**, 28 June-2 July; **Scientific Information Problems in Research**, 19-23 July; **Polymers**, 26-30 July at Colby College, New London, N. H.
- Fuels Science**, 28 June-2 July; **Adhesion**, 16-20 August; **Radiation Chemistry**, 23-27 August at New Hampton School, New Hampton, N.H.
- Research at High Pressure**, 28 June-2 July; **Lasers in Medicine and Biology**, 5-9 July; **Metal-Insulator Semiconductor Systems**, 9-13 August; **Fluids in Permeable Media: Mathematical Methods for Combined Heat and Mass Transfer**, 16-20 August at Kimball Union Academy, Meriden, N.H.
- Nuclear Structure Physics**, 12-16 July; **Dynamical Instabilities and Fluctuations in Classical and Quantum Systems**, 19-23 July; **Magnetic Resonance in Medicine and Biology**, 9-13 August; **Elementary Particle Interactions**, 16-20 August at Tilton School, Tilton, N.H.
- Polymer Physics**, 21-25 June; **Crystal Growth**, 12-16 July; **Dielectric Phenomena**, 26-30 July; **Particle Solid Interaction**, 2-6 August; **Molecular Electronic Spectroscopy**, 9-13 August at Proctor Academy, Andover, N.H.
- Chemistry and Physics of Photoconductors**, 21-25 June; **Physics and Physical Chemistry of Biopolymers**, 28 June-2 July; **Dynamics of Molecular Collisions**, 26-30 July; **Chemistry and Physics of Water and Aqueous Solutions**, 2-6 August at Holderness School, Plymouth, N.H.
- Chemistry and Physics of Microstructure Fabrication**, 21-25 June; **Electron Spectroscopy**, 19-23 July; **Atomic and Molecular Interactions**, 9-13 August; **Infrared and Raman Spectroscopy**, 23-27 August at Brewster Academy, Wolfeboro, N.H.
- Chemistry and Physics of Isotopes**, 5-9 July; **Solid State Studies in Ceramics**, 26-30 July; **Photonuclear Reactions**, 9-13 August at Plymouth State College, Plymouth, N.H.
- Coherent Optics and Holography**, 21-25 June; **Plasma Physics**, 28 June-2 July at Miramar Hotel, Santa Barbara, Calif.

FREE HANDBOOK



Want to solve your micropositioning problems the easy way? Our new 24 page handbook shows you how to stack our versatile PARA-MOUNT™ modules to create 654 different micropositioners. Send for your copy today.

ardelkinematic
125-20 18th Ave., College Point, N.Y. 11356
(212) 353-3600

Booth #44, CLEOS

Circle No. 82 on Reader Service Card

RADIOMETERS and SPECTRO RADIOMETERS

- peak energy
- peak power
- CW power

both DIRECT
and REFLECTED



PHOTOMETERS
BLACKBODY STANDARDS
INFRARED INSTRUMENTATION

electro 8 optical industries inc.
Telex: 658 427

P. O. Box 3770, Santa Barbara
California 93105 (805) 964-6701

Circle No. 83 on Reader Service Card

Lancaster LA 1 4YB, UK)

- 27-28 **14th Conf on Vacuum Microbalance Techniques** [Organizing Committee] Salford UK [4/9/76] 1/76
- 28-1 **19th Ampere Congress on Magnetic Resonances** [Organizing Committee] Heidelberg, West Germany 7/75
- 29-1 **□ Ultrasonics Symp** [IEEE] Annapolis, Md. [6/24/76] 7/75
- 29-6 **Colloquium on Radio Oceanography** [Inter-Union Commission on Radio Meteorology] Hamburg, W. Germany 3/76

OCTOBER 1976

- 3-8 • **1st Cong of Int Tech** [Int Tech Inst] Pittsburgh, Penna. (ITT, 7125 Saltzburgh Rd, Pittsburgh, Penna. 15235) [4/30/76]
- 10-16 **27th Int Astronautical Cong—New Era of Space Transportation** [Int Astronautical Federation] Anaheim, Cal. [3/22/76] 3/76
- 13 • **11th Annual Washington Area High Pressure Colloquium** [US Naval Acad] Annapolis, Md. (J. Fontanella, Physics Dept, US Naval Acad, Annapolis, Md. 21402) [9/1/76]
- 18-22 **Int Conf on Properties of Atomic Defects in Metals** [ERDA; Argonne Nat'l Lab] Argonne, Ill. 9/75
- 18-23 **OSA National Meeting** [OSA] Tucson, Ariz. 7/75
- 20-22 **Nuclear Science and Semiconductor Counter Symp** [IEEE] New Orleans, La. 7/75
- 24-29 **□ Medical Radionuclide Imaging Symp** [IAEA] Los Angeles, Cal. [5/1/76] 1/76
- 25-27 **4th Conf on Application of Small Accelerators in Res Teaching and Industry** [ERDA] Denton, Texas 1/76
- 28-30 **Nuclear Physics** [APS] East Lansing, Mich. 7/75
- 28-30 • **Fall Meeting AAPPT** [Texas Section—AAPPT] College Station, Texas (E. LeMaster, Physics Dept, Pan American Univ, Edingburg, Texas 78539)
- 31-3 • **29th Pacific Coast Regional Meeting** [ACS] San Francisco, Calif. (American Ceramic Soc, 65 Ceramic Dr, Columbus, Ohio 43214) [6/25/76]

NOVEMBER 1976

- 8-9 **10th LAMPF Users Group Meeting** [Univ. of Calif., LASL] Los Alamos, N. Mex. 3/76
- 8-12 • **Int Workshop Conf on Laser Interaction and Related Plasma Phenomena** [RPI] Troy, N.Y. (M. Clark, Director of Special Programs, Communications Cntr, Rensselaer Polytechnic Inst, Troy, N.Y. 12181)
- 8-11 **Conf on Engineering in Medicine and Biology** [Amer Soc of Mechanical Engineers] Boston, Mass. 7/75
- 10-13 **Engineering in Medicine and Biology** [IEEE] Boston, Mass. 7/75
- 11-13 **APS Southeastern Section** [APS] Virginia Beach, Va. 7/75
- 14-18 **Plasma Physics** [APS] San Francisco, Cal. 7/75
- 19 • **Information For and From Physicists** [IOP] London, UK (Meetings Officer, IOP, 47 Belgrave Sq, London SW1X 8QX, UK)

22-24 **Fluid Dynamics** [APS] Eugene, Ore. 7/75

DECEMBER 1976

- 1-3 • **Optical Phenomena in Infrared Materials** [OSA] Annapolis, Md. (OSA, 2000 L St, NW, Washington, D.C. 20036) [9/3/76]
- 6-8 **□ Electron and Atomic Physics** [APS] Lincoln, Nebraska 7/75
- 6-10 **Submillimeter Waves and Applications—2nd Int Conf** [OSA; IEEE] San Juan, Puerto Rico [8/2/76] 7/75
- 13-15 • **Atmospheric Aerosols, Their Optical Properties and Effects** [OSA] Williamsburg, Va. (OSA, 2000 L St, NW, Washington, D.C. 20036) [9/10/76]
- 20-22 • **General Meeting** [APS] Stanford, Calif. (W. Whaling, Calif. Inst of Tech., 1201 E. Calif. St, Pasadena, Calif. 91125) [10/1/76]

JANUARY 1977

- 5-7 • **14th Annual Solid State Physics Conf** [Solid State Physics subcommittee, IOP] Manchester, UK (Meetings Officer, IOP, 47 Belgrave Sq, London SW1X 8QX)
- 17-20 **Astronomy** [AAS] Honolulu, Hawaii 7/75
- 24-28 • **Magnetosphere and Its Environment** [Royal Soc of New Zealand] Christchurch, New Zealand (Exec Officer, RSNZ, Box 12249, Wellington, New Zealand)

FEBRUARY 1977

- 9-12 • **General Meeting** [APS; AAPPT] Chicago, Ill. (W. W. Havens, APS, 335 E 45 St, N.Y., N.Y. 10017)

MARCH 1977

- 16-18 **Particle Accelerator Conf** [IEEE] Chicago, Ill. 7/75
- 21-24 • **General Meeting** [APS] San Diego, Calif. (W. W. Havens, APS, 335 E 45 St, N.Y., N.Y. 10017) [1/7/77]
- 24-26 **Nuclear Structure** [IOP] Guildford, UK 9/75

JUNE 1977

- 5-10 **Int Magnetics Conf** [Organizing Committee] Los Angeles, Cal. 7/75
- 7-10 **Spring Meeting** [ASA] State College, Pa. 1/76; 3/76
- 21-23 **Int Microwave Symp** [Organizing Committee] San Diego, Cal. 7/75
- 14-20 **4th Int Conf on Structural Mechanics and Reactor Technology** [ANS] San Francisco, Cal. 9/75

JULY 1977

- 4-6 **Conf on Rare Earths and Actinides** [Solid State Physics subcommittee, IOP] Univ of Durham, UK. 1/76

SEPTEMBER 1977

- 12-16 **7th Int Vacuum Congress** [Organizing Committee] Vienna, Austria 7/75

SHORT COURSES

17-21 MAY 1976

Laser Radiometry and Beam Diagnostics [Laser Inst of America] Palo Alto, Calif. (Laser Inst of America, 4100 Executive Park Dr, Cincinnati, Ohio 45241)

17-21 MAY 1976

Advanced Microscopy [McCrone Res Inst] Chicago, Ill. (Registrar, McCrone Res Inst, 2820 S. Michigan Ave, Chicago, Ill. 60616)

7-11 JUNE 1976

Infrared Physics [Univ of Tenn. Space Inst] Tullahoma, Tenn. (J. W. Bernard, Short Course Program, Univ of Tenn. Space Inst, Tullahoma, Tenn. 37388)

7-18 JUNE 1976

Fundamentals of Controlled Fusion and Technology for Fusion Reactors [MIT Dept of Nuclear Engineering] Cambridge, Mass. (Director of Summer Sessions, rm E19-356, MIT, Cambridge, Mass. 02139)

7 JUNE-2 JULY 1976

Group Theoretical Methods in Physics [Centre de Recherches Mathematiques, Univ de Montreal] Montreal, Canada 3/76

14-18 JUNE 1976

Astrodynamics [Univ of Tenn. Space Inst] Tullahoma, Tenn. (J. W. Bernard, Short Course Program, Univ of Tenn. Space Inst, Tullahoma, Tenn. 37388)

14-25 JUNE 1976

Elementary Design and Analysis of Scientific Instruments [MIT] Cambridge, Mass. (Director of Summer Sessions, rm E19-356, MIT, Cambridge, Mass. 02139)

13-26 JUNE 1976

2nd Int Summer School on Electron Density [Special Commission on Electron Charge, Spin and Momentum Density] Ferry Beach, Maine (R. J. Weiss, AMMRC, Watertown, Mass. 02172)

21-26 JUNE 1976

Experimental Status and Theoretical Approaches in Physics at the High Energy Accelerators—IPP Int Summerschool [McGill Univ] Montreal, Canada 3/76

28 JUNE-2 JULY 1976

Solid State Imaging [American Univ] Washington, D.C. (American Univ, Summer Sessions, Massachusetts & Nebraska Aves, N.W., Washington, D.C. 20016)

12-16 JULY 1976

Fiber Optic Communication Systems [Univ of Cal. at Santa Barbara] Santa Barbara, Cal. 3/76

12-16 JULY 1976

Applications in Coherent Optics [Univ of Tenn. Space Inst; Spectrum Development Labs] Tullahoma, Tenn. (Short Courses, Univ of Tenn. Space Inst, Tullahoma, Tenn. 37388)

12-16 JULY 1976

Ultrasound, Laser, Ultraviolet and Microwaves [MIT Dept of Mechanical Engineering] Cambridge, Mass. (Director of Summer Sessions, rm E19-356, MIT, Cambridge, Mass. 02139)

12-16 JULY 1976

Fundamentals of Infrared Technology [Univ of Mich, Continuing Engineering Education] Ann Arbor, Mich. 3/76

12-16 JULY 1976

High-Energy Heavy-Ion Physics—3rd Summer Study [Lawrence Berkeley Lab] Berkeley, Calif. (N. K. Glendenning, Summer Study Group, Lawrence Berkeley Lab, Berkeley, Calif. 94720)

12-30 JULY 1976

Amorphous Solids in Solid State Physics and Gauge Theories in Elementary Particles [Latin American School of Physics] Caracas, Venezuela (LASP, E. Laredo, Physics Dept, Univ Simon Bolivar, Apartado 5354, Caracas, Venezuela)

18-24 JULY 1976

Fundamental and Basic Concepts of Dosimetry [AAPM] Burlington, Vermont 3/76

19-30 JULY 1976

Computer-Based Science Instruction—NATO Advanced Study Inst [Univ Catholique de Louvain] Louvain-la-Neuve, Belgium 3/76

19-30 JULY 1976

Nuclear Fuel and Power Management [MIT Dept of Nuclear Engineering] Cambridge, Mass. (Director of Summer Sessions, rm E19-356, MIT, Cambridge, Mass. 02139)

26-30 JULY 1976

Detection of Infrared Radiation [Univ of Cal. at Santa Barbara] Santa Barbara, Cal. 3/76

26 JULY-6 AUGUST 1976

Photon Correlation Spectroscopy and Velocimetry—NATO Advanced Study Inst [Organizing Committee] Capri, Italy 3/76

1-21 AUGUST 1976

Fundamentals of Quark Models—NATO Advanced Study Inst [Scottish Univ's Summer School] St. Andrews, Scotland 3/76

22 AUGUST-3 SEPTEMBER

Critical Phenomena and Phase Transitions [Canadian Assoc of Physicists] Banff, Alberta, Canada (D. D. Betts, Theoretical Physics Inst, Univ of Alberta, Edmonton, Alberta, Canada T6G 2E1)

12-24 SEPTEMBER

Synchrotron Radiation [Int College of Applied Physics] Alghero, Italy (H. Winick, Director, Synchrotron Radiation Project, SLAC, P. O. Box 4349 Stanford, Calif. 94305)



SPECTRO RADIOMETER SYSTEM IL 780/760/700

Low cost spectroradiometer system for the spectral characterization of visible and ultraviolet sources of radiant energy.

Features:

- * UV-visible response from 240nm to 800nm.
- * Motor drive available.
- * Flash or DC measurement capability, 5 nanoseconds response time.
- * Built-in rechargeable battery for field operation up to four (4) hours.
- * Direct digital readout in watts/cm² or joules/cm² at each wavelength.
- * Price \$3836.00. Includes: Radiometer, high voltage power supply, photomultiplier tube, monochromator, tripod and calibration traceable to N.B.S.
- * Complete system. No other accessories required.
- * Sensitive to 1×10^{-12} W/cm²-nm at peak response.

international light
Specialists in Light Measurement

Dexter Industrial Green
Newburyport, Ma. 01950 / 617-465-5923

Circle No. 84 on Reader Service Card

BIC Current Integrators Since 1964



Model 1000-C*

- Highest accuracy
- Widest current span
- Lowest input impedance
- Internal offset & test supply
- Solid state (LED) readout
- Automatic dead-time correction
- Inputs of either polarity
- Ground isolated from case
- Remote control capability
- Pulse integration without external filters

Complete specs on request

BROOKHAVEN INSTRUMENTS CORP.

Box 3136 • Austin, Texas 78764
(512) 442-1216

*Also available without internal counter as Model 1000-A

Circle No. 85 on Reader Service Card