

calendar

NOVEMBER 1978

- 10-13 • **10th Annual Conf of the Society of Nuclear Medicine** Madras, India (K. R. Rajagopalan, Barnard Inst of Radiology & Cancer, Government General Hospital, Madras 600003, India)
- 12-16 • **ANS Winter Meeting** Washington, D.C. (R. W. Durante, Westinghouse Electric, 1801 K St., N.W., Washington, D.C. 20006)
- 12-16 • **Joint Conf on Cryogenic Systems** [Amer Soc of Chemical Engineers and ASME] Miami, Fla. (A. J. Kidnay, Chem. and Petroleum Ref. Eng. Dept., Colo. School of Mines, Golden, Colo. 80401)
- 12-17 **ANS Winter Meeting** Washington, D.C. 3/78
- 13-14 **12th LAMPF Users Group Meeting** Los Alamos, N.M. 3/78
- 13-17 **Int Symp on Decommissioning of Nuclear Facilities** Vienna, Austria 3/78
- 14-16 **Military Electronics Expo** Anaheim, Cal. 3/78
- 14-16 **Government Microcircuit Applications Conf** Monterey, Cal. 5/78
- 14-17 • **Advances in Photopolymer Systems: Imaging Science and Technology, int symp (SPSE, 1411 K St., NW, Suite 930, Washington, D.C. 20005)**
- 14-17 □ **24th Annual Conf on Magnetism and Magnetic Materials** [AIP; Mag-

netic Soc, IEEE; APS; Office of Naval Research; Metallurgical Soc; ASTM] Cleveland, Ohio (H. C. Wolfe, AIP, 335 East 45th Street, New York, N.Y. 10017 [7/28/78] 7/78

- 15-17 • **Review of Advanced Solar Thermal Power Systems** [DOE] Denver, Colo. (The Conferences Group, Solar Energy Research Institute, 1536 Cole Blvd., Golden, Colo. 80401)
- 16-17 **Discussion Meeting on Solar Physics** London, UK 9/78
- 17-18 **Fall Meeting—Texas Section AAPT.** Nacogdoches, Tex. 7/78
- 17-18 **SPS Meeting—Zones 6 and 10** Nacogdoches, Tex. 7/78
- 20-22 **APS Fluid Dynamics Div Meeting** Los Angeles, Cal. 9/77
- 26-30 • **ASME Winter Meeting** San Francisco, Cal. ASME, 345 E. 47th St., New York, N.Y. 10017
- 26-1 **ASA Fall Meeting** Honolulu, Hawaii 5/77
- 26-1 **64th Scientific Assembly & Annual Meeting-AAPM/RSNA** Chicago, Ill. 7/78
- 27-1 **IAU Colloq on Variable Star Research** Hamilton, N. Zealand 9/78
- 28-30 • **10th Annual Precise Time and Time Interval Applications and Planning Meeting** Washington, D.C. (Andrew C. Johnson, Publicity Chairman, Naval Observatory, Time Service Div., 62L, Washington, D.C. 20390)

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

Please Note: follow-up listings give italicized reference date specifying *Physics Today* issue in which further information can be found.

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
DOE	Department of Energy
EPS	European Physical Society
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

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.

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- 28-1 **Annual Meeting of AVS** San Francisco, Cal. 1/78
- 29-1 **APS Div of Electron and Atomic Physics Meeting** Madison, Wis. 5/78
- 29-1 • **Conf on In Situ Composites—III** Boston, Mass. (B. Oliver, Dept. of Chemical and Metallurgical Engineering, Univ. of Tenn., Knoxville, Tenn. 37916)
- 29-1 **Annual Meeting of Materials Resource Society** Boston, Mass. 3/78

DECEMBER 1978

- 4-6 **Winter Simulation Conf** Miami Beach, Fla. 5/78
- 4-6 **Nat Telecommunications Conf** Birmingham, Ala. 3/78
- 4-6 **Waste Heat Mngt and Utilization** Miami Beach, Fla. 7/78
- 4-6 **Int Electron Devices Meeting** Wash., D.C. 9/78

- 4-8 **Int Seminar and Autumn School on Magnetism** Gaussig, Dem Rep. of Germany 3/78
- 5-8 • **2nd Int Conf on Energy Storage, Compression and Switching** [Nat Res Council of Italy; Nat Electrotechnical Inst Galileo Ferraris; Stevens Inst of Tech] Venice, Italy (H. Sahlin & V. Gamble, Lawrence Livermore Lab, Livermore, Cal. 94550) [11/15/78]

Einstein Centennial Activities

The following is a listing of all activities known to us occurring in 1979 in commemoration of the centennial of the birth of Albert Einstein (14 March 1879).

Extended Activities

Year-Long Centenary Celebration [Satyendra Nath Bose Institute of Physical Sciences] Calcutta, India (M. Dutta, S. N. Bose Institute of Physical Sciences, 92 Acharya Prafulla Chandra Rd., Calcutta-700 009, India.)

15 February–30 March

Lectures and Exhibition [University of Texas] Austin, Texas (Albert Lewis, Humanities Resource Center, Box 7219, Austin, Texas 78712)

March

Einstein: Humanist and Jew [Leo Baeck Institute] New York, N.Y. (Sybil Milton, Leo Baeck Institute, 129 E 73 St. New York, N.Y. 10021)

March–March 1980

Einstein Exhibit [National Museum of History and Technology] Washington, D.C. (N.M.H.T., Smithsonian Institution, Washington, D.C. 20560)

Summer

Einstein's Life and Thought—teachers' workshop [Smithsonian Institution] Washington, D.C. (Office of Seminars, Smithsonian Inst., Washington, D.C. 20560)

Short-term Events

January

General Relativity and Astrophysics—6-day symp [Tata Inst of Fundamental Research; Physics Research Lab; Raman Research Inst] Ahmedabad, India (S.K. Bagchi, Birla Industrial and Technological Museum, 19A, Gurusaday Rd., Calcutta-700019, India)

7 January

Topics in the History of General Relativity

[AAAS] Houston, Texas (*Meetings office, AAAS, 1776 Massachusetts Avenue NW, Washington, D.C. 20036*)

17 Jan, 28 Feb, 11 April

Doubleday Lecture Series on Einstein's Century [National Museum of History and Technology] Washington, D.C. (*National Museum of History and Technology Smithsonian Institution, Washington, D.C. 20560*)

29 January

Einstein Centennial Symposium [AAPT] New York, N.Y. (in conjunction with AAPT Winter Meeting) (AAPT, Graduate Physics Bldg., State University of New York at Stony Brook, Stony Brook, N.Y. 11794)

23 February–3 March

Double Celebration: Symmetries in Science, and Philosophical and Social interest Aspects of Einstein. [Southern Illinois University] Carbondale, Ill. (Paul Schilpp, SIU, Carbondale, Ill. 62901)

27 February–2 March

Commemoration [East German Academy of Science] East Berlin, German Democratic Republic (H. J. Treder, *Inst. for Relativistic and Extragalactic physics, DAW, Sternwarte Berlin-Babelsberg, DDR-1502 Potsdam-Babelsberg*)

3 March–16 April

Exhibition to Commemorate the 100th Anniv. of the Birthdays of Albert Einstein, Otto Hahn, Lise Meitner, and Max von Laue [Max Planck Gesellschaft; Deutsche Physikalische Gesellschaft; Gesellschaft Deutscher Chemiker] West Berlin, Fed. Rep. of Germany

4–9 March

Symposium on specific aspects of Einstein's scientific work [Institute for Advanced Studies] Princeton, N.J. (Harry Woolf, IAS, Princeton, N.J. 08540) By invitation only

13–17 March

Albert Einstein Centenary Conference [UNESCO; IUPAP; Int. Com. on Gen. Rel. and Grav.; CERN; Swiss Acad. of Sciences; Univ. of Bern; The Swiss Authorities; The Albert

Einstein Foundation] Bern, Switzerland (Alan Held, *Dept. of Theor. Physics, Sidlerstrasse, 5, CH-3012, Bern*)

14 March

Festival—Ceremonial [City of Ulm] Ulm, Fed. Rep. of Germany (*Stadt Ulm, Hauptamt, Rathaus, D-7900 Ulm, Fed. Rep. of Germany*)

14–23 March

Jerusalem Einstein Centennial Symposium [Israel Academy of Sciences and Humanities; Hebrew University; Van Leer Jerusalem Foundation; Jerusalem Foundation and Aspen Institute for Humanistic Studies] Jerusalem, Israel (*Israel Academy of Sciences and Humanities, P.O.B. 4040, Jerusalem, Israel*)

15 March–5 April

Four lectures [University of Ulm; Volkshochschule] Ulm, Fed. Rep. of Germany (Manfred Escherig, *Ulmer Volkshochschule, Kornhausplatz 5, 7900 Ulm, Fed. Rep. of Germany*)

16–17 March

The Joys of Research—personal accounts by distinguished scientists [Smithsonian Institution] Washington, D.C. (Office of Seminars, Smithsonian Institution, Washington, D.C. 20560)

20 April

Einstein Symposium [American Philosophical Society] Philadelphia, Pa. (Whitfield Bell, *American Philosophical Society, Independence Square, Philadelphia, Pa. 19106*)

24–28 September

Annual Meeting of the German Physical Society Ulm, Federal Rep. of Germany (*Deutsche Physikalische Gesellschaft, Gotenstrasse 1-3, D-5300, Bonn 2, Fed. Rep. of Germany*)

8–10 November

Albert Einstein as an Intercultural and Interdisciplinary Phenomenon: His Influence in All Fields of Thought [Hofstra University] Hempstead, N.Y. (*University Center for Cultural & Intercultural Studies, Hofstra Univ., Hempstead, N.Y. 11550*) [4/15/79]

- 5-8 **Asian-South Pacific Regional Meeting in Astronomy** Wellington, N. Zealand 9/78
- 8-10 • **New Perspectives in Nuclear Imaging** Snowbird, Utah (L. Bolliger, *Union Carbide Imaging Systems*, 333 Providence Highway, Norwood, Mass. 02062)
- 10-15 • **ASME Annual Winter Meeting** San Francisco, Cal. (R. S. Webb, *207 Mechanical Eng., Penn. State Univ., University Park, Pa. 16802*)
- 11-15 • **Lasers '78** [Society for Optical and Quantum Electronics] Orlando, Fla. (Society for Optical and Quantum Electronics, P.O. Box 245, Mclean, Va. 22101)
- 11-15 **Int Symp on Use of Isotopes and Radiation in Soil-plant Relationships** Colombo, Sri Lanka 3/78
- 14-19 **9th Texas Symp on Relativistic Astrophysics** Munich, Fed. Rep. of Germany 9/78
- 18-19 **IOP Conf on Materials in a Marine Environment** London, UK 7/78
- 18-19 **Pulsed Nuclear Magnetic Resonance in Solids** London, UK 9/78
- 18-20 • **Meeting of the APS Div of Particles and Fields** Los Angeles, Cal. (H. Ticho, *Dep't of Physics, Univ of Cal., Los Angeles, Cal. 90024*)
- 19-21 **NRC Conf on Technical Aspects of Nuclear Waste Mngt** Denver, Colo. 7/78
- 27-29 **Symp on Biomaterials in Dentistry and Medicine** Los Angeles, Cal. 3/78
- 27-29 **Int Conf on Collective Phenomena** Moscow, USSR 9/78

JANUARY 1979

- 3-5 **16th Annual Solid-State Physics Conf** Coventry, UK 7/78
- 3-8 **AAAS Annual Nat Meeting** Houston, Tex. 9/78
- 4-5 **Laser Plasma Interactions** Bangor, UK 7/78
- 7-10 • **AAS Annual Meeting** Mexico City [13/3/78]
- 11-13 • **17th Eastern Theoretical Physics Conf** Athens, Ga. (C. Uzes, *Dept. of Physics & Astronomy, Univ. of Ga., Athens, Ga. 30601*)
- 15-18 **2nd Int Colloq on Mars** Pasadena, Cal. 9/78
- 15-19 • **Midwinter Solid State Research Conf** Laguna Beach, Cal. (D. Mills, *Dept of Physics, Univ. of California, Irving, Cal. 92715*)
- 15-19 • **3rd National Physics Congress** [Australian Institute of Physics] Perth, Western Australia
- 17-19 • **2nd Topical Conference on Atomic Processes in High Temperature Plasmas** [APS] Boulder, Colo. (D. W. Norcross, *JILA, University of Colo. Boulder, Colo. 80309*) [12/1/78]
- 18-20 • **Symp on Computed Tomography, Ultrasound & Nuclear Med in Infants & Children** Orlando, Fla. (P. E. Berger, *Dept. of Radiology, The Children's Hospital, 219 Bryant St., Buffalo, N.Y. 14222*)

- 22-26 **49th Cong of the Australian & New Zealand Assoc for the Advancement of Science** Auckland, New Zealand
- 23-36 • **Optical Data Display Processing & Storage** [Soc of Photog Scientists & Engineers] Orlando, Fla. (R. H. Wood, *Exec. Dir, SPSE, 1411 K. St, NW #930 Washington, D.C. 20005*) [10/6/78]
- 29-31 **1st Topical Meeting on Fusion Reactor Materials** Miami Beach, Fla. 3/78
- 29-1 **Zone 2 SPS Meeting** New York, N.Y. 7/78
- 29-1 **APS/AAPT Annual Meeting** New York, N.Y. 1/78
- 29-2 • **Int Symp on Thermodynamics of Nuclear Materials** [IAEA] Julich, Fed. Repub. of Germany (J. H. Kane, *Special Asst. for Conferences, DOE, Office of Tech. Info., Washington, D.C. 20545*)
- 30-2 **6th Annual Conf on Physics of Compound Semiconductor Interfaces** Pacific Grove, Cal. 9/78

FEBRUARY 1979

- 11-15 • **12th Midyear Topical Symp on Low-Level Radioactive Waste Mngt** [Health Physics Society] Williamsburg, Va. (J. E. Watson Jr, *Dept. of Environmental Sciences and Engineering—(201 H), Univ. of N.C., Chapel Hill, N.C.*)
- 12-14 **Adhesion Society Meeting** Savannah, Ga. 9/78
- 12-14 • **8th Annual Symp on Applied Vacuum Science and Technology** [Fla. Chpt., AVS; DOE] Tampa, Fla. (W. C. Brown, *General Electric Co., P.O. Box 11508, St. Petersburg, Fla. 33733*) [12/29/78]
- 14-16 **IEEE Int Solid-state Circuits Conf** Philadelphia, Pa. 9/78
- 18-22 • **Symp on the Theory of Alloy Formation** New Orleans, La.
- 21-23 • **WATtec-79: Energy and the Public** [25 Knoxville-Oak Ridge area chapters of national technical and professional societies in energy-related fields] Knoxville, Tenn. (WATtec, P.O. Box 629, Oak Ridge, Tenn. 37830)

MARCH 1979

- 5-8 • **Int Conf on Fast Breeder Reactor Fuel Performance** Monterey, Cal. (E. H. Aitken, *General Electric Co, 310 DeGuigne, Sunnyvale, Cal. 94086*)
- 5-9 **2nd Internat. Conf. on Infrared Physics** Zurich, Switzerland 9/78
- 5-9 • **Radiation Protection** [OECD Nuclear Energy Agency, IAEA, International Labor Office, World Health Organization] Vienna, Austria (J. H. Kane, *Special Assistant for Conferences, Technical Information, DOE, Washington, D.C. 20545*) [10/16/78]
- 6-8 **Topical Meeting on Optical Fiber Communication** Washington, D.C. 9/78
- 6-10 • **Asteroids and Planets X** Tucson,

Ariz. (T. Gehrels, *Lunar and Planetary Lab., Univ. of Ariz., Tucson, Ariz. 85721*)

- 6-11 • **European Nuclear Conference** [European Nuclear Society and ANS] Hamburg, Germany (Executive Office ENC '79, c/o Kerntechnische Gesellschaft, Heussallee 10, D-5300, Bonn 1, Germany) [October 1, 1978]
- 12-14 **1979 Particle Accelerator Conf** San Francisco, Cal. 7/78
- 12-15 • **6th Iranian Conf on Elec Eng** Shiraz, Iran (Rafian, *6th ICCEE, P. O. Box 737, Shiraz, Iran*)
- 18-22 **Zone 8 SPS Meeting** Chicago, Ill. 7/78
- 19-23 **APS General Meeting** Chicago, Ill. 1/78
- 22-25 **Int Meeting on Modulated Structure** Kailua-Kona, Hawaii 9/78
- 23-24 **Zone 9 SPS Meeting** Atchison, Kansas 7/78
- 26-29 **2nd European Conf on Surface Science/4th Interdisciplinary Surface Science Conf** Cambridge, UK 7/78
- 26-30 • **Symp on On-Site Management of Power Reactor Wastes** [OECD Nuclear Energy Agency and IAEA] Zurich, Switzerland (J. H. Kane, *Special Assistant for Conferences, DOE, Office of Technical Information, Wash., D.C. 20545*) [10/16/78]
- 26-30 **ACA Meeting** Honolulu, Hawaii 9/78
- 26-30 • **Symp on Biol Implic of Radionuclides Released from Nuclear Industries** Vienna, Austria (J. H. Kane, *Technical Info, DOE, Wash. 20545*)
- 28-30 **Nuclear Structure and Elementary Particle Physics Conf** Birmingham, UK 7/78
- 28-31 **Symp on Archaeometry and Archaeological Prospection** London, UK 7/78
- 29-30 • **Symp on Structure and Properties of Highly Conducting Polymers and Graphite** San Jose, Cal. (G. B. Street, *IBM Research Laboratory, 5600 Cottle Road, K32/281, San Jose, Cal. 95193*)

APRIL 1979

- 1-6 • **Polymers for Optical Fiber Systems** [ACS] Honolulu, Hawaii (M. J. Bowden, *Bell Laboratories, 600 Mountain Ave. Murray Hill, N.J. 07974*)
- 2-4 • **Acoustics, Speech and Signal Processing** [IEEE] Washington, D.C. (A. Eller, *Naval Research Lab., Washington, D.C. 20375*)
- 2-5 • **Properties of Low Dimensional Solids** [ACS and Chemical Society of Japan] Honolulu, Hawaii (J. B. Torrance, *IBM Research Lab, 5600 Cottle Road, K32/281, San Jose, Cal. 95193*) [10/20/78]
- 2-6 **Symp on Manpower Requirements and Development for Nuclear Power** Saclay, France 9/78
- 2-6 **Int Conf on Dynamical Critical Phenomena and Related Topics** Geneva, Switzerland 9/78
- 2-6 • **6th Int Vacuum Metallurgy Conf on Special Melting and Metallurgical Coatings** San Diego, Cal. (R. W.

Buckman Jr, P. O. Box 18006, Pittsburgh 15236)

- 3-5 • **Space Instrumentation for Atmospheric Observation** [IEEE] El Paso, Texas (J. H. Pierluissi, Dept. of Elect. Engr., Univ. of Texas at El Paso, El Paso, Texas 79968)
- 4-6 **Strength and Structure in Carbons and Graphites** Bath, UK 7/78
- 6-7 **New England Section AAPT** Lowell, Mass. 7/78
- 8-11 • **5th Int Conf on Positron Annihilation** Lake Yamanaka, Japan (K. Fujiwara, Conf Sec'y, Inst of Physics, College of General Educ, Univ of Tokyo, Komaba 3-8-1, Tokyo 153, Japan)
- 9-11 • **British Nuclear Med Soc 7th Annual Scientific Meeting** London, UK. (G. P. Wriaght, Addenbrooke's Hospital, Hills Rd, Cambridge CB2 2PQ, England)
- 9-11 **Microscopy of Semiconducting Materials** Oxford, UK 9/78
- 9-12 **2nd Symp on Incoherent Light Sources** Enschede, The Netherlands 5/78
- 16-18 • **Wear of Materials** [APS] Dearborn, Mich.
- 17-20 **Electrostatics '79** Oxford, UK 11/77
- 22-27 **Workshop on Solar-terrestrial Predictions** Boulder, Colo. 1/78
- 23-25 • **American Power Conf** Chicago, Ill. (R. A. Budenholzer, Ill. Inst. of Technology, Chicago, Ill. 60616)
- 23-26 **APS General Meeting** Washington, D.C. 1/78
- 23-27 • **6th Int Vacuum Metallurgy Conf** San Diego, Cal. (R. F. Bunshah, 6532 Boelter Hall, Univ of California Los Angeles, Cal. 90024) [10/31/78]
- 24-26 • **Reliability Physics Symp** [IEEE] San Francisco, Cal. (F. B. Micheletti, Rockwell International, 3370 Miraloma Ave., Anaheim, Cal. 92803)
- 24-27 • **3rd European Symp on Materials Sciences in Space** [European Space Agency] Grenoble, France (Centre National d'Etudes Spatiales, Dept des Affaires Universitaires, 18 Ave Edouard-Belin, 31055 Toulouse Cedex, France [9/30/78])
- 28 **Spring Meeting-N Cal Section AAPT** San Jose, Cal. 7/78
- 28-3 **81st Annual Meeting & Expo of Amer Ceramic Soc** Cincinnati, Ohio 7/78
- 29-2 • **Light Water Reactor Fuel Performance** Portland, Ore. (L. Bupp, Exxon Nuclear Inc., 777 106th Ave., NE, Bellevue, Wash. 98004)
- 30-2 • **Int Microwave Symp** Orlando, Fla. (R. E. Henning, Coll of Engineering, Univ of South Florida, Tampa, Fla. 33620)
- 30-2 • **Int Symp on Ceramics in Nuclear Waste Management** Cincinnati, Ohio (J. E. Mendel, Battelle Pacific Northwest Labs, Richland, Wash. 99352)
- 30-3 **11th Annual Offshore Technology Conf** Dallas, Texas 9/78

MAY 1979

- 1-3 • **3rd Biennial Electromagnetic Compatibility Symp & Exhib** [Dutch

Electrotechnical Committee] Rotterdam, The Netherlands (T. Dvorak, ETH Zentrum-HF, 8092 Zurich, Switzerland) [9/15/78]

- 2-11 • **9th Int Laser Radiation Conf** Munich, West Germany
- 6-11 **European Nuclear Conf** Hamburg, Fed. Rep. of Germany 7/78
- 11-12 • **APS Ohio Section** Youngstown, Ohio
- 14-18 • **Int Symp on Physics and Chemistry of Fission** [IAEA] Julich, Fed. Rep. of Germany (J. H. Kane, Special Assistant for Conferences, Office of Technical Information, DOE, Washington, D.C. 20545) [12/1/78]
- 21-25 • **Fast Ion Transport in Solids—Electrolytes and Electrodes** [Argonne National Laboratory] Lake Geneva, Wis. (P. Vashishta, Solid State Science Div., Argonne National Laboratory, Argonne, Ill. 60439) [3/16/79]
- 22-25 • **Electro '79** New York, N.Y. (W. C. Weber Jr, Electro, 999 N. Sepulveda Blvd., El Segundo, Cal. 90245)
- 27-1 • **7th Canadian Congress of Applied Mechanics** Sherbrooke, Quebec, Canada (N. Galanis, Faculty of Applied Science, Univ. of Sherbrooke, Sherbrooke, P. Z. J1K2R1)
- 28-1 • **7th Int Symp on Molecular Beams** Trento, Italy (G. Scoles, Facolta di Scienze, Libera Universita di Trento, Povo, Trento, Italy) [12/31/78]

JUNE 1979

- 3-8 **ANS Annual Meeting** Atlanta, Ga. 7/78
- 4-6 • **6th IEEE Int Conf on Plasma Science** [IEEE Nuclear and Plasma Sciences Society] Montreal, Quebec, Canada (C. Richard, Conf. Chairman, Institut de recherche de l'Hydro-Quebec, P. O. Box 1000, Varennes, Quebec, Canada J0L 2P0) [2/1/79]
- 5-9 • **Nuclear Physics with Electromagnetic Interactions** Mainz, West Germany (D. Drechsel, Institut für Kernphysik der Universität Postfach 39 80, Joh.-Hoachim-Becher-Weg 33)
- 5-7 • **Ultrasonics in Biophysics and Bioengineering** Monticello, Ill. (W. O. O'Brien Jr, Bioacoustic Res Lab, University of Illinois, Urbana, Ill. 61801)
- 11-15 **Symp on Accuracy in Powder Diffraction** Gaithersburg, Md. 7/78
- 12-16 **ASA Spring Meeting** Cambridge, Mass. 9/78
- 13-15 • **Symp on Applications of Ferroelectrics** [IEEE] Minneapolis, Minn. (S. T. Liu, Honeywell Corporate Technology Center, 10701 Lyndale Ave. S., Bloomington, Minn. 55420)
- 17-20 • **2nd Joint MMM—Intermag Conf** New York, N.Y. (R. M. Josephs, Sperry Univac Computer Systems, P. O. Box 500, Blue Bell, Pa. 19422)
- 18-22 • **Laser 79 Exhibition & Congress** West Germany (C. Werner, DFVLR, inst für Physik der Atmosphäre, 801 Oberpfaffenhofen, Post Wessling/OBB, German Fed. Repub.)
- 19-20 **AAAS 4th Colloq on R&D in Federal Budget** Washington, D.C. 9/78
- 19-22 • **Neutrino '79** Bergen, Norway (C. Jarlskog, Department of Physics, Univ of Bergen, N-5014 Bergen, Norway)

25-28

• **14th Rare Earth Res Conf** Fargo, N.D. (W. J. James, Grad. Center for Materials Res, Univ of Missouri, Rolla, Mo. 65401)

27-4

• **1979 EPS High Energy Physics Conf** Geneva, Switzerland (Secretariat, EPS, P. O. Box 69, CH-1213 Petit-Lancy 2, Switzerland)

JULY 1979

- 1-6 **21st Colloq Spectroscopium Internationale/8th Int Conf on Atomic Spectroscopy** Cambridge, UK 9/78
- 2-6 • **9th International Laser Radar Conference** [OSA] Munich, West Germany (J. W. Quinn, OSA, 2000 L. St. N.W., Washington, D.C. 20036)
- 2-6 **Symp on the Underground Disposal of Radioactive Wastes** Otaniemi, Finland 9/78
- 9-13 • **Conf of Gordon Conf on Molecular Electron Spectroscopy** Cirencester, UK (R. N. Dixon, School of Chemistry, Univ of Bristol, Bristol BS8 ITS, UK)
- 16-19 • **Shock Tubes & Waves** [APS] Jerusalem, Israel
- 17-20 **Joint Intermag-Magnetism and Magnetic Materials Conf** New York, N.Y. 7/78
- 30-3 □ **7th AIRAPT Int High Pressure Conf** [Assoc Int for Res and Advancement of High Pressure Technology and Eurpean High Pressure Research Group] Chateau de la Verrerie, France (A. Kusubor, Univ. of California, LLL, Livermore, Cal. 94550) [1/15/78]

AUGUST 1979

- 5-8 • **18th National Heat Transfer Conf** [ASME & AIChE] San Diego, Cal. (R. Viskanta, School of Mech Eng, Purdue Univ, West Lafayette, Ind. 47907 [12/1/78])
- 19-24 **12th Int Conf on Medical and Biological Engineering/5th Int Conf on Medical Physics** Jerusalem, Israel 7/78
- 5-10 • **1979 Intersociety Energy Conversion Engineering Conf** Boston, Mass. (J. E. Mitchell, Corporate Res Lab., Exxon Research and Engineering Co., Linden, N.J. 07036)
- 12-17 **8th Int Conf on Atomic Collision in Solids** Hamilton, Canada 7/78
- 13-17 **Microbeam Analysis Society and Electron Microscopy Society of America: Combined Annual Meeting** San Antonio, Texas (W. H. Massover, Brown Univ., Box G, Providence, R.I. 02912) [4/2/79]
- 13-17 • **VIIIth International Conference of High Energy Physics and Nuclear Structure** [TRIUMF] Vancouver, Canada (D. F. Measday, TRIUMF, Univ. of British Columbia, Vancouver, V6T 1W5, British Columbia, Canada)
- 19-25 **6th Sagamore Conf on Charge, Spin and Momentum Densities** Mont Tremblant, Canada 7/78
- 20-22 **4th Int Conf on Ellipsometry** [Univ. of Cal., Berkeley] Berkeley, Cal. (R. H. Muller, Materials and Molecular Re-

search Division, Lawrence Berkeley Lab., Univ. of Cal., Berkeley, Cal. 94720)

20-24 **7th Int Colloq on Gasdynamics of Explosions and Reactive Systems** Göttingen, Fed Republic of Germany 5/78

22-24 • **2nd US National Conf on Earthquake Engrng** Stanford, Cal. (H. C. Shah, Dept. of Civil Engineering, Stanford Univ., Stanford, Cal. 94305)

27-31 • **8th Int Conf on Amorphous and Liquid Semiconductors** Cambridge, Mass. (Conf Secretariat, 20 Garden St., Cambridge, Mass. 02138)

27-31 **27th Congress of Int Union of Pure and Applied Chemistry** Helsinki, Finland 3/78

27-1 **4th Int Symp on Plasma Chemistry** Zurich, Switzerland 9/78

27-8 **Workshop on Physics of Plasmas Close to Thermonuclear Conditions**

Varenna, Italy 7/78

28-31 □ **Phonon Scattering in Condensed Matter** [Brown Univ] Providence, R.I. (H. J. Maris, Brown Univ, Providence, R.I. 02912)

28-31 **Int Symp on Mechanics of Sound Generation in Flow** Göttingen, Fed. Rep. of Germany 7/78

29-4 **11th Int Conf on Physics of Electronic and Atomic Collision** Kyoto, Japan 5/78

SEPTEMBER 1979

3-6 • **EMAG '79** [IOP] Brighton, UK (Meetings Officer, IOP, 47 Belgrave Sq., London, SW1X 8QX)

3-7 • **XIV European Congress on Molecular Spectroscopy** Frankfurt/Main,

Fed. Rep. of Germany (Sec'y Gen., EUCMOS 1979, Gesellschaft Deutscher Chemiker, J. Wendenburg, P.O.B. 90 04 40, D-6000 Frankfurt (Main) 90)

10-14 • **9th Int Conf on the Properties of Steam** Munich, Germany (Conf. Sec., Lehrstuhl A für Thermodynamik Technische Universität München, Postfach 20 24 20, D-8000 München 2)

10-14 • **Symp on Atomic Spectroscopy** [National Research Council] Tucson, Ariz. (J. O. Stoner Jr, Dept. of Physics, Univ. of Arizona, Tucson, Ariz. 85721)

10-15 **Int Symp on Nuclear Quadrupole Resonance Spectroscopy** Toulouse, France 9/78

11-14 **Int Conf on Noise Control Engineering** Warszawa, Poland 9/78

13-19 • **Int Conf on Electromagnetic and Lepton Interactions** Batavia, Ill. (H.

SHORT COURSES AND SCHOOLS

13-14 NOVEMBER 1978

Practical Optics: Specifications for systems and components [Univ of Wisc.] Madison, Wisc. (D. Baxa, Dept. of Engrg., Univ. of Wisc.-Extension, 432 North Lake Street, Madison, Wisc. 53706)

13-17 NOVEMBER 1978

Radar Systems and Technology [George Washington University] Washington, D.C. (M. Augustin, Continuing Engineering Education, George Washington Univ., Washington, D.C. 20052)

13-17 NOVEMBER 1978

Crystal Morphology and Optics Course Chicago, Ill. (N. Daerr, McCrone Res. Inst., 2508 S. Mich. Ave., Chicago, Ill. 60616)

20-22 NOVEMBER 1978

(also to be given in March 1979)
Modern Integrated Circuits [George Washington University] Washington, D.C. (Director, Continuing Engineering Education, George Washington Univ., Washington, D.C. 20052)

27 NOVEMBER-1 DECEMBER 1978

In-plant Nondestructive Assay Instrumentation [LASL; US DOE Safeguards Technology Training Program] Los Alamos, N.M. (K. Humphrey, US DOE Safeguards Tech Trng Prog, LASL, Q-DO/SG MS 550, Los Alamos, N.M. 87545)

28 NOVEMBER-1 DECEMBER 1978

AVS Surface Science, Thin Film, Vacuum Technology, Vacuum Metallurgy Short Courses San Francisco, Cal. (J. L. Provo, Education Committee, AVS, P.O. Box 11508, St. Petersburg, Fla. 33733)

5-7 DECEMBER 1978

Seminar-Wrkshp on Acoustic Microscopy

[Sonoscan, Inc.] Bensenville, Ill. (R.I. Johnson, Sonoscan, Inc., 720 Foster Ave., Bensenville, Ill. 60106)

5-8 DECEMBER 1978

(also to be given on future dates in Los Angeles, Washington, D.C. and New York)

Modern Methods of Digital Signal Processing [Integrated Computer Systems, Inc.] Boston, Mass. (K. D. Sanson, Program Mgr., Integrated Computer Systems, Inc., 3304 Pico Blvd., P.O. Box 5339, Santa Monica, Cal.)

6-8 DECEMBER 1978

Millimeter Wave Space Communications [George Washington University] Washington, D.C. (Director, Continuing Engineering Education, George Washington University, Washington, D.C. 20052)

12-15 DECEMBER 1978

(also to be given at later dates in Atlanta and New York)

Computer Graphics: State of the Art Techniques and Applic. [Integrated Computer Systems, Inc.] Boston, Mass. (K. D. Sanson, Integrated Computer Systems, Inc., 3304 Pico Blvd., P.O. Box 5339, Santa Monica, Cal. 90405)

2-12 JANUARY 1979

Optical Science and Engineering Short Course Tucson, Ariz. (P. N. Slater, Optical Systems and Engrg. Short Courses Inc., P.O. Box 18667, Tucson, Ariz. 85731)

17-19 JANUARY 1979

Wrkshp on Physics and Engrg in Computer Tomography [Univ. of Cal., Irvine] Newport Beach, Cal. (J. Welgan, UCI-Extension, Room 148, Administration Bldg., Irvine, Cal. 92717)

23 JANUARY-30 MARCH 1979

Winter College on Atomic and Molecular Physics and Quantum Optics [Int. Centre for Theoretical Physics] Trieste, Italy

(ICTP, P.O.B. 586, Miramare, Strada Costiera 11, Trieste, Italy) [7/31/78]

29 JANUARY-2 FEBRUARY 1979

Computed Tomography, Ultrasound and X-ray [Univ. of Cal., San Francisco] San Francisco, Cal. (Extended Programs in Medical Education, Univ. of Cal., 1308 3rd Ave., San Francisco, Cal. 94143)

26-29 FEBRUARY 1979

Waste Management '79 [Univ. of Ariz., Col. of Engrg.] Tucson, Ariz. (R. G. Post, Nuclear Engineering Dept., Univ. of Ariz., Old Engineering Bldg., Tucson, Ariz., 85721)

3-10 MARCH 1979

13th Colorado Otology-Audiology Wrkshp Vail, Colo. (13th Colo. Otology-Audiology Wrkshp, Box B210, 4200 East 9th Ave., Denver, Colo. 80262)

2-28 JULY 1979

Physical Cosmology [Univ. of Grenoble; Nato Advanced Study Institutes Prog.] Les Houches, France (Ecole d'Ete de Physique Theorique, 74310 Les Houches, France) [3/1/79]

3-7 JULY 1979

IV Colloquium on High Resolution Spectrometry [Osservatorio Astronomico, Trieste] Trieste, Italy (M. Hack, Direttrice, Osservatorio Astronomico, Via Tiepolo, 11, 34131 Trieste, Italy)

30 JULY-31 AUGUST 1979

Biophysics of Membrane and Intercellular Communication [Univ. of Grenoble; Nato Advanced Study Institutes Prog.] Les Houches, France (Ecole d'Ete de Physique Theorique, 74310 Les Houches, France) [3/1/79]

9-20 OCTOBER 1979

2nd Latin American Wrkshp on Self-Consistent Theories of Condensed Matter (A. Plastino, Facultad de Ciencias Exactas, Depto. de Fisica, Casilla de Correo 67, 1900 La Plata, Argentina)

Peterson, Fermilab, P.O.B. 500, Batavia, Ill. 60510)

- 17-1 **3rd Europhysics Topical Conf on Lattice Defects in Ionic Crystals** Canterbury, UK 3/78
- 17-19 • **5th European Conf on Optical Communication/2nd Int Conf on Integrated Optics and Optical Communication** Amsterdam, Holland (J. H. C. van Heuven, Philips Labs., Eindhoven, The Netherlands)
- 19-21 • **4th Nat Quantum Electronics Conf [IOP Quantum Electronics Group]** Edinburgh, Scotland (B. S. Wherrett, Physics Dept., Heriot-Watt Univ., Edinburgh EH14 4AS)
- 24-28 **Symp on Fast Reactor Physics** Aix-en-Provence, France 9/78
- 26-27 • **Ultrasonics Symp [IEEE]** New Orleans, La. (G. A. Alers, Rockwell International, P. O. Box 1085, 1049 Camino Dos Rios, Thousand Oaks, Cal. 91360)

OCTOBER 1979

- 6-10 • **Engineering in Medicine and Biology [IEEE]** Denver, Colo. (E. Fromm, Drexel University, Philadelphia, Pa. 19104)
- 7-12 • **OSA Annual Meeting** Rochester, N.Y. (J. W. Quinn, OSA, 2000 L St. N.W., Washington, D.C. 20036)
- 17-19 • **Nuclear Science Symp [IEEE]** San Francisco, Cal. (L. J. Wagner, Lawrence Berkeley Lab., Univ. of Cal. Berkeley, Cal. 94720)
- 18-20 • **APS Nuclear Physics Div Meeting** Knoxville, Tenn.
- 27 **New England Section AAPT** Providence, R.I. 7/78

NOVEMBER 1979

- 8 **Fall Meeting—N and S Cal. Sections, AAPT** Santa Clara, Cal. 7/78
- 8-10 • **APS Southeastern Section** Chattanooga, Tenn.
- 11-16 • **ANS Winter Meeting** San Francisco, Cal. (N. A. Norman, Bechtel Pwr. Corp., 50 Beale St., San Francisco, Cal. 94119)
- 12-16 • **APS Plasma Physics Div Meeting** Boston, Mass.
- 13-16 • **Engineering Problems in Fusion Research [IEEE]** Washington, D.C. (T. H. Batzer, Lawrence Livermore Lab, P. O. Box 808, Livermore, Cal. 94550)
- 16-17 **18th Eastern Theoretical Physics Conf** College Park, Md. 9/78
- 19-21 • **APS Fluid Dynamics Div Meeting** West Lafayette, Ind.
- 26-30 **ASA Fall Meeting** Salt Lake City, Utah 9/78

DECEMBER 1979

- 10-12 • **APS Electron and Atomic Physics Div Meeting** Houston, Texas
- 10-15 **4th Int Conf on Submillimeter Waves** Miami Beach, Fla. 11/77

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