calendar

This is a complete calendar. It lists all physics-related meetings known to us. For the next two months we will publish only new information (partial calendar); in the third month (July) we will again publish a complete calendar as far into the future as we have information. During months with a partial calendar, readers can add new entries to their last complete calendar.

Information in the calendar is compiled from a file maintained in the PHYSICS TODAY office. Readers are invited to write or telephone for general calendar information beyond what we print. For complete information concerning an entry, readers are advised to consult the contact and the original PHYSICS TODAY reference.

Abbreviations:

AAPT—American Association of Physics Teachers
AAS—American Astronomical Society
ACA—American Crystallographic Assoc.
APS—American Physical Society
ASA—Acoustical Society of America
OSA—Optical Society of America
S OF R—Society of Rheology

AEC—US Atomic Energy Commission
AFCRL—Air Force Cambridge Research Laboratories
ANS—American Nuclear Society
AVS—American Vacuum Society
IAEA—International Atomic Energy Agency
IEEE—Institute of Electrical and Electronics Engineers
IPPS—The Institute of Physics and The Physical Society
IUPAP—International Union of Pure and Applied Physics.
NBS—National Bureau of Standards
ORNL—Oak Ridge National Laboratory

Coding:

date subject □ HOST □ Location *(Contact)* [submission deadline] *Physics Today ref.*
• new listing ♦ new information

APRIL 1971

12–15 **Telemetry and the Environment** □ IEEE □ Washington, D. C. *10/70*

12–16 □ AMERICAN GEOPHYS. UNION, NATL. ACAD. SCI., NATL. RES. COUNCIL □ Wash., D. C. *3/70*

13–16 **International Magnetics Conference** □ IEEE □ Denver Hilton Hotel, Denver, Colorado *12/70*

13–16 **Theoretical Rheology** □ BRITISH SOCIETY OF RHEOLOGY □ Aberystwyth, UK *3/71*

14–16 **Meson Resonances and Related Magnetic Phenomena** □ ORGANIZING COMMITTEE OF CONFERENCE ON MESON RESONANCES □ Bologna, Italy *3/71*

14–16 □ CRYSTALLOGRAPHY GROUP, IPPS □ Manchester, UK *1/71*

14–16 **Electrical Conduction in Organic Solids** □ FARADAY SOCIETY □ Nottingham, UK *1/71*

14–16 **High Voltage Electron Microscopy** □ ROYAL INST. OF TECHNOLOGY MATERIALS CENTER, SWEDISH INST. FOR METAL RESEARCH □ Stockholm *10/70*

14–16 **Duality in Hadron Dynamics** □ N.Y. ACAD. SCIS. □ Barbizon–Plaza, N.Y. *12/70*

14–17 **Adsorption and Desorption Phenomena** □ CONSIGLIO NAZIONALE DELLE RICHERCHE, SOCIETA CHIMICA ITALIANA, SOCIETA ITALIANA DI FISICA □ Florence, Italy *3/71*

15, 16 **Vacuum and Surface Science** □ UNIVERSITÉ DE LIEGE; INTERNATIONAL UNION FOR VACUUM SCIENCE, TECHNIQUE AND APPLICATIONS; SOCIÉTÉ BELGE DE VACUOLOGIE ET DE VACUOTECHNIQUE; DEUTSCHE ARBEITSGEMEINSCHAFT VAKUUM □ Sart Tilman, Belgium *3/71*

16, 17 □ CENTRAL PENNSYLVANIA SECTION OF THE AAPT □ Carlisle, Pa. *3/71*

APRIL 1971

17–21 **Inner-Shell Ionization Phenomena** □ ORGANIZING COMMITTEE INTERNATIONAL CONFERENCE ON INNER-SHELL IONIZATION PHENOMENA □ Atlanta, Georgia *12/70*

18–21 **Neutron Sources** □ SAVANNAH RIVER SECTION, ISOTOPES AND RADIATION DIV. OF ANS, SAVANNAH RIVER OPERATIONS OFFICE, AEC □ Augusta, Georgia *7/70*

18–23 **Geoscience Electronics** □ IEEE □ Wash., D. C. *2/70*

19–23 **Radioisotopes and Radiation Effects** □ Anaheim, Calif. *10/70*

19–23 **Magnetohydrodynamics** □ EUROPEAN NUCLEAR ENERGY AGENCY, IAEA, GERMAN MINISTRY FOR EDUCATION AND SCIENCE, GARCHING INST. FOR PLASMA PHYSICS □ Munich *8/70*

20–23 □ ASA □ Wash., D. C. *7/69*

20–7 **Superconducting Devices** □ RUTHERFORD HIGH-ENERGY LABORATORY □ Chilton, UK *3/71*

21–23 **Vacuum Science** □ N. M. SEC. OF AVS □ Albuquerque, N. M. *10/70*

23, 24 **Physics of Electronic Devices** □ NY STATE SECTION OF APS □ Corning, N. Y. *2/71*

24 □ AAPT IOWA SECT. □ Loras College, Dubuque, Iowa *1/71*

26, 27 □ WESTERN STATES SECTION OF COMBUSTION INST. □ Denver, Colo. *10/70*

26–28 **Thermophysics Conference** □ AMERICAN INST. OF AERONAUTICS AND ASTRONAUTICS □ Tullahoma, Tenn. *6/70*

26–28 **Frequency Control** □ US ARMY ELECTRONICS COMMAND, ELECTRONIC COMPONENTS LAB. □ Atlantic City, N. J. *1/71*

26–28 □ NATIONAL ACADEMY OF SCIENCES □ Washington, D. C. *3/71*

26–29 □ APS □ Washington, D. C.

26–30 □ INST. OF ENVIRONMENTAL SCIENCES □ Los Angeles *8/70*

26–30 **Protection Against Accelerator and Space Radiation** □ CERN □ Geneva, Switzerland *11/70*

27–29 **Scanning Electron Microscopy** □ ILLINOIS INSTITUTE OF TECHNOLOGY RESEARCH INSTITUTE □ Chicago, Ill. *3/71*

MAY 1971

2–7 **Mass Spectrometry** □ AMERICAN SOCIETY FOR TESTING AND MATERIALS □ Atlanta, Georgia *12/70*

9–13 □ RADIATION RESEARCH SOCIETY □ Boston *2/70*

9–14 □ ELECTRONICS DIVISION OF THE ELECTROCHEMICAL SOCIETY □ Washington, D. C. *2/71*

9–15 **Rotation of the Earth** □ INTERNATIONAL ASTRONOMICAL UNION □ Marioka, Japan *2/71*

10–12 **Aerospace Instrumentation** □ ISA □ Las Vegas, Nevada *10/70*

10–13 **Static Electrification** □ IPPS □ Sudbury House, London, UK *12/70*

10–14 **Measurement and Control of Flow in Science and Industry** □ AIP, AMER. SOC. OF MECHANICAL ENGINEERS, INSTRUMENT SOC. OF AMERICA, NBS □ Pittsburgh, Pa. *10/70*

12–14 **Electron-, Ion- and Laser-Beam Technology** □ IEEE □ Univ. of Colorado, Boulder, Col. *12/70*

12–14 **Microscopy** □ N. Y. MICROSCOPICAL SOC. □ New York *10/70*

12–14 **Exchange Interactions Between Ions in Crystals and Molecules** □ PRINCETON UNIVERSITY □ Princeton, N. J. *2/71*

16–19 • **Physics of Selenium and Tellurium** □ EUROPEAN PHYSICAL SOCIETY □ Pont-à-Mousson, France (*M. Hulin, Groupe de Physique des Solides, Faculté des Sciences, 9 quai Saint-Bernard, Paris, France*) *4/71*

16–20 **Microwaves** □ IEEE □ Washington *4/70*

17–20 **Physical Metallurgy, Solute and Point-Defect Interactions** □ AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS □ Atlanta, Georgia *3/71*

17–21 **Remote Sensing of Environment** □ CENTER FOR REMOTE SENSING □ Univ. of Mich., Ann Arbor, Mich. *12/70*

18, 19 **Temperature Measurement** □ Los Angeles, Calif. *11/70*

18–21 **Atmospheric Turbulence** □ AMER. INST. AERONAUTICS AND ASTRONAUTICS □ London, UK *1/71*

24–28 □ AUSTRALIAN AND NEW ZEALAND ASSOC. FOR THE ADVANCEMENT OF SCIENCE □ Brisbane *11/70*

25–28 **Multiparticle Dynamics** □ ORGANIZING COMMITTEE OF COLLOQUIUM ON MULTIPARTICLE DYNAMICS □ Helsinki, Finland *3/71*

25–29 □ FRENCH PHYSICAL SOCIETY □ Evian, France *1/71*

JUNE 1971

2–4 **Laser Engineering & Applications** □ IEEE □ Wash 2, D.C. *5/70*

7, 8 **Applications of Ferroelectrics** □ IEEE GROUP ON SONICS AND ULTRASONICS, IBM THOMAS J. WATSON RESEARCH CENTER, ARMY RESEARCH OFFICE □ Yorktown Heights, N. Y. *2/71*

9–11 **Radiation-Induced Voids in Metals** □ AEC, STATE UNIV. OF N. Y. AT ALBANY □ Albany, N. Y. *10/70*

9–11 **Carbon-13** □ LOS ALAMOS SCIENTIFIC LAB, AEC, ASSOC. WESTERN UNIVS. □ Los Alamos, N. M. *7/70*

13–17 □ ANS □ Boston *8/69*

13–19 **World Petroleum Congress** □ Moscow *10/69*

14–17 **Environmental Pollutants** □ ASSN. OF OFFICIAL ANALYTICAL CHEMISTS, IUPAC, CHEMICAL INST. OF CANADA, AGRICULTURAL INST. OF CANADA, NATL. RES. COUNCIL OF CANADA □ Ottawa, Canada *5/70*

14–18 **Vacuum Metallurgy** □ AVS □ New York, N. Y. *1/71*

14–18 **Molecular Structure and Spectroscopy** □ OHIO STATE UNIV. □ Columbus, Ohio *3/70*

14–18 **Evolutionary and Physical Problems of Meteoroids** □ INTERNATIONAL ASTRONOMICAL UNION □ Albany, N. Y. *2/71*

15–17 **High-Pressure Research** □ EUROPEAN HIGH-PRESSURE RESEARCH GROUP □ Umeå, Sweden *1/71*

17–19 □ AAPT □ Beloit, Wisc.

17–23 **Plasma Physics and Controlled Nuclear Fusion** □ IAEA □ Madison, Wisconsin *1/71*

20–23 **Nuclear Reactors and Radioisotopes** □ CANADIAN NUCLEAR ASSOCIATION □ Montreal *11/69*

21–23 **Fluid and Plasma Dynamics** □ AMERICAN INST. OF AERONAUTICS AND ASTRONAUTICS □ Palo Alto, Calif. *6/70*

21–24 **Temperature** □ AIP, INSTRUMENT SOC. OF AMERICA, NBS □ Wash., D. C. *5/70*

21–25 □ HEALTH PHYSICS SOCIETY □ New York *6/69*

21–26 **Theoretical Physics and Biology** □ IUPAP □ Versailles, France *1/71*

27–2 **Carbon** □ AMER. CARBON COMMITTEE □ Bethlehem, Pa. *11/70*

27–2 **World Energy Conference** □ INTERNATIONAL EXECUTIVE COUNCIL OF WORLD ENERGY CONFERENCE □ Bucharest, Romania *1/71*

28–2 □ SOCIETY OF NUCLEAR MEDICINE □ Los Angeles, Calif., *1/71*

29–1 • **Electron Microscopy and Analysis** □ IPPS □ Cambridge, UK (*Meetings Officer, IPPS, 47 Belgrave Square, London SW1, UK*) *4/71*

29–1 **Science and Civilization** □ CIBA FOUNDATION □ London, UK *3/71*

29–2 **Molecular Beams** □ ORGANIZING COMMITTEE OF 3RD INTERNATIONAL SYMPOSIUM ON MOLECU-

NEW LISTING OF SHORT COURSES AND SCHOOLS

7–11 JUNE

Laser Raman Spectroscopy □ UNIV. OF MARYLAND CENTER OF MATERIALS RESEARCH AND CENTER FOR ADULT EDUCATION □ College Park, Md. *(E. R. Lippincott, Center of Materials Research, Univ. of Maryland, College Park, Md. 20742)*

14–18 JUNE

Neutron and Light Scattering–Correlation Functions in Liquids and Solids □ MIT □ Cambridge, Mass. *(S. H. Chen, 24-208, MIT, Cambridge, Mass. 02139)*

14 JUNE–6 AUGUST

Teaching of Physical Science for Prospective Teachers Trained as Research Scientists □ NSF □ Laramie, Wyoming *(R. J. Bessey, Dept. of Physics, Univ. of Wyoming, University Station, Box 3905, Laramie, Wyo. 82070)* [4/71]

21–25 JUNE

Electron Probe Microanalysis and Scanning Electron Microscopy □ LEHIGH UNIV. DEPT. OF METALLURGY AND MATERIALS SCIENCE □ Bethlehem, Pa. *(J. I. Goldstein, Lehigh Univ., Dept. of Metallurgy, Bethlehem, Pa. 18015)*

21–25 JUNE

Phase Transitions and Critical Phenomena □ MIT □ Cambridge, Mass. *(H. E. Stanley, Room E19-356, MIT, Cambridge, Mass.)*

28 JUNE–2 JULY

Biomedical Physics and Biomaterials Science □ MIT □ Cambridge, Mass. *(H. E. Stanley, Room E19-356, MIT, Cambridge, Mass.)*

28 JUNE–2 JULY

Amorphous Semiconductor Devices □ MIT □ Cambridge, Mass. *(D. Adler, Office of the Summer Session, Room E19-356, MIT, 77 Mass. Ave., Cambridge, Mass. 02139)*

12–23 JULY

Design and Analysis of Scientific Experiments □ MIT □ Cambridge, Mass. *(Director of the Summer Session, Room E19-356, MIT, Cambridge, Mass. 02139)*

25 JULY–26 AUGUST

Quantum Chemistry, Solid-State Physics and Quantum Biology □ UNIV. OF UPPSALA, UNIV. OF FLA., NORWEGIAN ACADEMY OF SCIENCES □ Uppsala, Sweden and Beitostolen, Norway *(Director, Summer Institute, Quantum Chemistry Group, Box 518, S-751 20 Uppsala 1, Sweden)* [5/71]

2–6 AUGUST

Laser Safety □ MEDICAL LASER LABORATORY AND OFFICE OF CONTINUING MEDICAL EDUCATION OF THE UNIV. OF CINCINNATI □ Cincinnati, Ohio *(R. J. Rockwell, Laser Laboratory, Children's Hospital Research Foundation, Cincinnati, Ohio 45229)*

13–26 AUGUST

Superconductivity □ SCHOOL FOR SUMMER AND CONTINUING EDUCATION OF GEORGETOWN UNIV. □ Washington, D. C. *(School for Summer and Continuing Education, Georgetown Univ., Washington, D. C. 20007)*

16–28 AUGUST

Interaction of Energetic Charged Particles with Solids □ MIDDLE EAST TECHNICAL UNIV., BROOKHAVEN NATIONAL LABORATORY, NATO ADV STUDY INST. □ Istanbul, Turkey *(A. N. Goland, Dept. of Physics, Brookhaven National Laboratory, Building 510B, Upton, N. Y. 11973)*

JUNE 1971

LAR BEAMS □ Cannes, France *3/71*

30–6 **Elementary Particles** □ CERN □ Amsterdam, The Netherlands *11/70*

JULY 1971

3–10 **Science and Society** □ FEDERAL COUNCIL FOR THE COORDINATION OF SCIENTIFIC ACTIVITIES, REPUBLICAN AND PROVINCIAL ORGANS FOR SCIENTIFIC AFFAIRS, COUNCIL OF ACADEMIES OF ARTS AND SCIENCE, ASSOCIATION OF YUGOSLAV UNIVERSITIES □ Herceg-Novi, Yugoslavia *3/71*

5–7 **Rare Earths and Actinides** □ IPPS □ Durham, UK *2/70*

5–8 **International Shock-Tube Symposium** □ APS □ Imperial College, London, UK *10/70*

5–9 **International Conference on Crystal Growth** □ INTERNATIONAL CRYSTAL GROWTH COMMITTEE, INTL. UNION OF CRYSTALLOGRAPHY, IUPAP, IUPAC □ Marseille, France *1/70*

5–9 **Quick Methods for Environmental Radioactive Monitoring** □ IAEA, MINISTRY FOR EDUCATION AND SCIENCE OF THE FEDERAL REPUBLIC OF GERMANY, INSTITUTE FOR RADIATION RESEARCH □ Neuherberg, Germany *3/71*

6–9 □ AMER. ASSOC. OF PHYSICISTS IN MEDICINE □ Houston, Texas *11/70*

7–9 **Rutherford Centennial Symposium: The Structure of Matter** □ ORGANIZING COMMITTEE OF THE RUTHERFORD CENTENNIAL SYMPOSIUM □ Christchurch, New Zealand *2/71*

8–11 **Electrostatics** □ IEEE, AMERICAN METEOROLOGICAL SOCIETY, G. E. RESEARCH, STATE UNIV. OF N. Y. AT ALBANY, ELECTROSTATICS SOC. OF AMER. □ Albany, N. Y. *2/71*

9 **Phonon–Photon Interactions in Liquids and Solids** □ IPPS □ Univ. of York, UK *2/71*

11–15 □ HEALTH PHYSICS SOC. □ New York *10/70*

12–14 **Calorimetry and Thermodynamics** □ CALORIMETRY CONFERENCE, COMMISSION ON THERMOCHEMISTRY OF THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY □ Orono, Maine *2/71*

18–23 **Molecular Energy Transfer** □ Cambridge, UK *2/70*

19–23 **Light Scattering in Solids** □ Paris *6/70*

20–23 **Nuclear- and Space-Radiation Effects** □ IEEE, NEW ENGLAND CENTER FOR CONTINUING EDUCATION, UNIV. OF NEW HAMPSHIRE □ Durham, N. H. *1/71*

25–30 **Instrumentation** □ INSTRUMENT SOCIETY OF AMERICA □ Geneva, N. Y. *3/71*

26–28 • **Phonons** □ M. VON LAUER–P. LANGEVIN INSTITUTE □ Rennes, France *(M. A. Nusimovici, International Conference on Phonons, Laboratoire de Physique des Solides, Université de Rennes, Avenue du Général Leclerc, 35 - Rennes-Beaulier, France)* [4/71] *4/71*

Topics: Phonon dispersion curves; phonon dispersion relations; phonons in molecular crystals; anharmonicity; vibration modes of impurities.

26–31 ♦ **Electronic and Atomic Collisions** □ ORGANIZING COMMITTEE FOR THE 7TH INTERNATIONAL CONFERENCE ON THE PHYSICS OF ELECTRONIC & ATOMIC COLLISIONS □ Amsterdam, The Netherlands *12/70* (Note corrected date.)

AUGUST 1971

3–6 **Crystal Structure and Chemical Bonding** □ F.O.M.R.E. □ Utrecht, The Netherlands *1/71*

8–13 **Amorphous and Liquid Semiconductors** □ INTERNATIONAL STEERING COMMITTEE OF THE 4TH INTERNATIONAL CONFERENCE ON AMORPHOUS AND LIQUID SEMICONDUCTORS □ Ann Arbor, Mich. *1/71*

9–13 **Epitaxy** □ GORDON RESEARCH CONFERENCE □ Tilton, New Hampshire *2/71*

11–13 • **Applications of X-Ray Analysis** □ ORGANIZING COMMITTEE OF THE 20TH ANNUAL DENVER CONFERENCE ON APPLICATIONS OF X-RAY ANALYSIS □ Denver, Colorado *(C. O. Ruud, Dept. of Metallurgy and Materials Science, Univ. of Denver, Denver, Colo. 80210)* [4/15/71] *4/71*

15–20 □ ACA □ Ames, Iowa *6/70*

16–19 **Spectroscopy** □ AUSTRALIAN ACADEMY OF SCIENCE □ Monash Univ., Clayton, Victoria, Australia *12/70*

16–27 **Cosmic Rays** □ IUPAP □ Hobart, Tasmania *12/70*

18–26 **7th International Congress on Acoustics** □ INTERNATIONAL COMMISSION ON ACOUSTICS, IUPAP □ Budapest *10/69*

23–27 **International Symposium on Electron and Photon Interactions at High Energies** □ CORNELL UNIV., AEC, NSF, IUPAP □ Ithaca, N.Y. *10/70*

23–27 **Statistical Properties of Nuclei** □ APS, IUPAP □ Albany, N. Y. *1/71*

23–28 **Thermal Analysis** □ INTERNATIONAL CONFEDERATION FOR THERMAL ANALYSIS □ Davos, Switzerland *1/71*

23–28 **Microwaves** □ EUROPEAN MICROWAVE CONFERENCE □ Stockholm, Sweden *12/70*

23–31 **Magnetic Resonance** □ ORGANIZING COMMITTEE 4TH INTERNATIONAL SYMPOSIUM ON RESONANCE □ Rehovot and Jerusalem, Israel *12/70*

24–26 ♦ **Ultraviolet and X-Ray Spectroscopy in Astrophysical and Laboratory Plasmas** □ INTERNATIONAL ASTRONOMICAL UNION □ Lunteren, The Netherlands *2/71* (Note corrected date.)

24–27 □ AAS □ Amherst, Mass. *10/70*

25–27 • □ APS □ Seattle, Washington

25–27 **Polymer Science** □ MACROMOLECULAR DIVISION OF THE CHEMICAL INSTITUTE OF CANADA, NATIONAL RESEARCH COUNCIL OF CANADA □ Waterloo, Ontario, Canada *2/71*

25–27 **Geoscience Electronics** □ GEOSCIENCE GROUP OF THE IEEE □ Washington, D. C. *2/71*

27–3 • **Refrigeration** □ NATIONAL COMMITTEE OF THE INTERNATIONAL INSTITUTE OF REFRIGERATION, NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF ENGINEERING, NATIONAL RESEARCH COUNCIL □ Washington, D. C. *(Secretariat, 1971 IIR Congress, National Academy of Sciences-National Research Council, 2101 Constitution Ave., Washington, D. C. 20418) 4/71*

Topics: Low-temperature physical properties of fluids and solids; thermal, state and transport properties; phase transitions, phase equilibria, thermodynamic properties; recent developments in superconductivity.

30–1 **Education and History of Modern Astronomy** □ AAS □ New York, N. Y. *2/71*

30–2 **Vacuum Ultraviolet Radiation Physics** □ IUPAP, INTL. COMMISSION FOR OPTICS, PHYS. SOC. OF JAPAN, SPECTROSCOPICAL SOC. OF JAPAN □ Tokyo *10/70*

30–2 **Polarized Targets** □ UNIV. OF CALIF., LAWRENCE RADIATION LAB. □ Berkeley, Calif. *3/71*

30–4 • **Underwater Acoustics** □ PENN STATE ORDNANCE RESEARCH LABORATORY AND COLLEGE OF ENGINEERING □ University Park, Pa. *(Conference Center, J. Orvis Keller Building, The Pennsylvania State Univ., University Park, Pa. 16801) 4/71*

31–2 • **Positron Annihilation** □ ORGANIZING COMMITTEE, NATIONAL RESEARCH COUNCIL OF CANADA, QUEEN'S UNIV. □ Kingston, Ontario, Canada *(A. T. Stewart, Dept. of Physics, Queen's Univ., Kingston, Ontario, Canada) 4/71*

31–3 **Variable Stars** □ INTERNATIONAL ASTRONOMICAL UNION □ Bamberg, Germany *2/71*

31–3 **Free Radicals** □ INSTITUT NATIONAL DES SCIENCES APPLIQUÉS □ Villeurbanne, France *12/70*

SEPTEMBER 1971

1–3 **Antennas and Propagation** □ INSTITUTE OF ELECTRONICS AND COMMUNICATION ENGINEERS OF JAPAN □ Sendai, Japan *10/69*

6–10 **Atomic Masses and Related Fundamental Constants** □ IUPAP, NATIONAL PHYSICAL LABORATORY □ Teddington, UK *1/71*

6–10 **Color Centers in Ionic Crystals** □ ORGANIZING COMMITTEE FOR THE 1971 COLOR CENTER CONF. □ Reading, UK *8/70*

6–15 **4th International Conference on the Peaceful Uses of Atomic Energy** □ UNITED NATIONS □ Geneva *2/70*

7–11 • **High Energy Physics and Nuclear Structure** □ USSR STATE COMMITTEE ON PEACEFUL USES OF ATOMIC ENERGY, USSR ACADEMY OF SCIENCES, JOINT INSTITUTE FOR NUCLEAR RESEARCH, IUPAP □ Dubna, USSR *(V. P. Dzhelepov, Joint Institute for Nuclear Research, Head Post Office, P. O. Box 79, Moscow, USSR) 4/71*

12–17 **Gasdynamics of Explosions and of Reactive Systems** □ Marseille, France *11/70*

13–17 **Materials Symposium** □ INORGANIC MATERIALS RESEARCH DIV. LAWRENCE RADIATION LAB, UNIV. OF CALIF., BERKELEY □ Berkeley, Calif. *3/70*

13–18 **Phenomena in Ionized Gases** □ IPPS, IUPAP □ Oxford, UK *8/70*

14–16 • **Solid State Devices** □ IPPS, INSTITUTION OF ELECTRICAL ENGINEERS, INSTITUTION OF ELECTRONIC AND RADIO ENGINEERS, UK AND REPUBLIC OF IRELAND SECTION OF THE IEEE □ Lancaster, UK *(Meetings Officer, IPPS, 47 Belgrave Square, London, SW1, UK) 4/71*

14–17 **European Biophysics Congress** □ AUSTRIAN BIOPHYSICAL SOC., INTL. UNION FOR PURE AND APPLIED BIOPHYSICS □ Baden, Austria *8/70*

20–24 **Molecular Spectroscopy** □ Brighton, UK *8/70*

20–24 **Physics of Quiescent Plasmas** □ DANISH ATOMIC ENERGY COMMISSION □ Roskilde, Denmark *11/70*

20–24 **Atomic Collisions in Solids:**

Positions Open

THE FLINDERS UNIVERSITY OF SOUTH AUSTRALIA

Applications are invited from suitably qualified persons for appointment to the following position:

School of Physical Sciences

LECTURER IN PHYSICS

Informal enquiries may be addressed to Professor M. H. Brennan.

Salary Scale: $6,697–$9,286.

Superannuation is on the F.S.S.U. basis.

Further information about the position, including conditions of appointment and details required of applicants, may be obtained from **the Registrar, The Flinders University of South Australia, Bedford Park, South Australia, 5042,** with whom applications should be lodged by 16th April, 1971.

GRADUATE ASSISTANTSHIPS IN PHYSICS LOWELL TECHNOLOGICAL INSTITUTE

The Department of Physics and Applied Physics offers assistantships to students working toward M.S. and Ph.D. degrees. Research assistantships awarding $3,600 per year are available to advanced graduate students or beginning students having sufficient laboratory experience in low-energy nuclear physics. These awards are limited to students engaged in an experimental program to measure fast neutron cross sections and subsequent application of these measurements to the study of nuclear structure and reaction mechanisms. These investigations are being conducted at the L.T.I. Nuclear Center which features a 5.5 MeV nano-second-pulsed-beam Van de Graaff accelerator, Mobley beam-compression magnet, neutron time-of-flight system, and a 32K PDP-9 computer for on-line data acquisition and reduction.

Teaching assistantships are available to students pursuing studies in other areas of activity offered by the Department. The stipend is $3,000 per academic year and full tuition exemption. Only students fluent in English are considered for these positions. Research programs include experimental and theoretical nuclear physics, experimental and theoretical solid state physics, particle physics and field theory, quantum electronics, relativity, and underwater acoustics. The Department also offers an M.S. Degree in Nuclear Engineering. A 1 Mw swimming-pool reactor for use in research and teaching will be operational by the end of this year. An $11,000,000 science building to house the departments of Physics and Chemistry is under construction and scheduled for completion in 1972. Equipment for this building will include a 100 kg high-field magnet, a Fourier-transform spectrometer for infrared studies of semi-conductors or metals, CO_2 and liquid lasers, and a Perkin-Elmer spectrometer.

For additional information and applications write to **Professor Leon E. Beghian, Head, Department of Physics and Applied Physics, Lowell Technological Institute, Lowell, Massachusetts, 01854.**

POSITIONS OPEN

Max Planck Institute of Solid State Research, Stuttgart, Germany

Newly created institute has a few visiting and staff positions open in the field of experimental physics (semiconductors and insulators with emphasis in optical properties), theoretical physics, and solid state chemistry. Send applications and resumé to **M. Cardona, Physics Department, Brown University, Providence, Rhode Island 02912.**

SEPTEMBER 1971

Physics of Channeling and Related Phenomena □ SWEDISH RESEARCH INST. FOR PHYSICS, UNIV. OF OSLO PHYSICS DEPT. □ Gausdal, Norway *10/70*

20–24 **High-Energy Accelerators** □ IUPAP, CERN □ Geneva, Switzerland *1/71*

20–25 □ INTL. ASTRONAUTICAL FEDERATION □ Brussels, Belgium *10/70*

21–23 **Microscopy** □ INTER/MICRO 71 □ Imperial College, London, UK *12/70*

21–23 **Infrared Techniques** □ INSTITUTE OF ELECTRONIC AND RADIO ENGINEERS, INSTITUTION OF ELECTRICAL ENGINEERS, IPPS, UK AND IRELAND SECTION OF IEEE □ Reading, UK *2/71*

22–24 **Nuclear and Particle Physics** □ IPPS □ Oxford, UK *11/70*

27–1 • **Crystalline Transformations at High Temperature Above 2000 K** □ CENTRE NATIONAL DE LA RÉCHERCHE SCIENTIFIQUE, LABORATOIRE DES ULTRA-RÉFRACTAIRES □ Odeillo, France *(M. Foex, B. P. n°5, Odeillo, Pyrénées Orientales, France) 4/71*

28–1 **Thermal Conductivity** □ LOS ALAMOS SCIENTIFIC LABORATORY, SANDIA CORP, UNIV. OF NEW MEXICO □ Albuquerque, New Mexico *2/71*

OCTOBER 1971

4–6 • **Turbulence in Liquids** □ DEPARTMENT OF CHEMICAL ENGINEERING AT THE UNIVERSITY OF MISSOURI □ Rolla, Mo. *(G. K. Patterson, Symposium on Turbulence in Liquids, Dept. of Chemical Engineering, University of Missouri, Rolla, Mo. 65041) 4/71*

5–8 **Preparation of Special Research Materials for Nuclear Measurements** □ AEC, ORNL □ Gatlinburg, Tenn. *1/71*

5–12 **Weights and Measures** □ Paris *8/70*

6–9 □ OSA □ Ottawa, Canada

11–15 **International Vacuum Congress** □ INTERNATIONAL UNION FOR VACUUM SCIENCE, AVS □ Boston, Mass. *2/71*

11–15 **International Conference on Solid Surfaces** □ SURFACE SCIENCE DIVISION OF THE AVS, INTERNATIONAL VACUUM CONGRESS □ Boston, Mass. *2/71*

17–21 □ ANS, ATOMIC INDUSTRIAL FORUM AND ATOM FAIR □ Miami, Fla. *11/69*

18–22 □ SOC. FOR APPLIED SPECTROSCOPY □ St. Louis, Mo. *10/70*

19–22 □ ASA □ Denver *8/69*

27–29 **International Electron Devices Meeting** □ IEEE □ Wash., D. C. *11/69* □