

# 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 (January) 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

AIAA—American Institute of Aeronautics and Astronautics

ANS—American Nuclear Society

AVS—American Vacuum Society

IAEA—International Atomic Energy Agency

IEEE—Institute of Electrical and Electronics Engineers

IOP—The Institute of Physics (formerly IPPS)

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

## OCTOBER 1971

4-9 Intergovernmental Conference for the Establishment of a World Science Information System ☐ INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, SCIENCE SECTOR OF UNESCO ☐ Paris, France 8/71

5-8 Gaseous Electronics ☐ UNIV. OF FLORIDA ☐ Gainesville, Fla. 5/71

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

11-13 Electron Devices ☐ IEEE ☐ Washington, D. C. 8/71

11-15 International Vacuum Congress ☐ INTERNATIONAL UNION FOR VACUUM SCIENCE, AVS ☐ Boston, Mass. 2/71

11-15 International Conference on Solid Surfaces ☐ SURFACE SCI-

ENCE DIVISION OF THE AVS, INTERNATIONAL VACUUM CONGRESS ☐ Boston, Mass. 2/71

12-17 Electronics and Vacuum Physics ☐ CZECHOSLOVAK ACADEMY OF SCIENCES ☐ Brno, Czechoslovakia 6/71

15, 16 OHIO SECTION OF APS ☐ Toledo, Ohio 7/71

15, 16 ☐ SOCIETY OF PHYSICS STUDENTS REGIONAL MEETING (ZONE 10) ☐ San Antonio, Tex. 8/71

15, 16 Nuclear Physics ☐ NEW ENGLAND SECTION APS ☐ New Haven, Conn. 9/71

15, 16 ☐ AAPT ILLINOIS SECTION ☐ Galesburg, Ill. 9/71

16 • ☐ APPALACHIAN SECTION OF AAPT ☐ Athens, Ohio (F. B. Stumpf, Ohio Univ., Dept. of Physics, Athens, Ohio 45701) 10/71

17-21 ☐ ANS, ATOMIC INDUSTRIAL FORUM AND ATOM FAIR ☐ Miami, Fla. 11/69

18-20 Spectroscopy ☐ SPECTROSCOPY SOCIETY OF CANADA ☐ Toronto, Ontario, Canada 7/71

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 AMERICAN INSTITUTE OF PHYSICS • 335 East 45 Street, New York, N.Y. 10017



## OCTOBER 1971

- 18-21 **Solid State Chemistry** □ NBS □ Washington, D. C. 8/71
- 18-22 □ IEEE EUROPEAN SECTION □ Lausanne, Switzerland 5/71
- 18-22 □ SOC. FOR APPLIED SPECTROSCOPY □ St. Louis, Mo. 10/70
- 19-21 **Ion Sources and Formation of Ion Beams** □ APS, ACCELERATOR DEPT. OF BROOKHAVEN NATIONAL LABS □ Upton, N. Y. 7/71
- 19-22 □ ASA □ Denver 8/69
- 24-27 □ S OF R □ Knoxville, Tenn. 6/70
- 25, 26 □ WESTERN STATES SECTION OF COMBUSTION INST. □ Irvine, Calif. 10/70
- 25-27 □ SOCIETY OF RHEOLOGY □ Knoxville, Tenn. 7/71
- 25-27 **Implementing Nuclear Safeguards** □ KANSAS STATE UNIV. □ Manhattan, Kansas 9/71
- 25-28 **Multiply Charged Heavy Ion Sources and Accelerating Systems** □ APS, OAK RIDGE NATIONAL LAB, LAWRENCE RADIATION LAB □ Gatlinburg, Tenn. 7/71
- 27-29 **Thermal Expansion** □ UNIV. OF TORONTO DEPT. OF PHYSICS, CORNING GLASS WORKS □ Corning, N. Y. 1/71
- 27-29 **International Electron Devices Meeting** □ IEEE □ Wash., D. C. 11/69
- 29, 30 **Eastern Theoretical Physics Conference** □ GENERAL ELECTRIC RESEARCH AND DEVELOPMENT CENTER □ Schenectady, N. Y. 9/71
- 29, 30 **Superconductivity in d- and f-Band Metals** □ UNIV. OF ROCHESTER □ Rochester, N. Y. 8/71
- 30-3 **Mechanical Properties of Ceramic Materials** □ AMERICAN CERAMIC SOCIETY □ Anaheim, Calif. 6/71
- 31-4 **Engineering in Medicine and Biology** □ ALLIANCE FOR ENGINEERING IN MEDICINE AND BIOLOGY □ Las Vegas, Nevada 5/71

## NOVEMBER 1971

- 1-3 **Electrical Insulation and Dielectric Phenomena** □ NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL □ Williamsburg, Va. 7/71
- 3-5 **Diffraction** □ CARNEGIE-MELLON UNIV. □ Pittsburgh, Pa. 8/71
- 3-5 **Nuclear Science** □ IEEE NUCLEAR SCIENCE GROUP, NASA, AEC □ San Francisco, Calif. 8/71
- 4-6 **Nuclear Physics** □ APS DIVISION OF NUCLEAR PHYSICS □ Tucson, Arizona 7/71

- 4-6 □ SOUTHEASTERN SECTION OF THE APS □ Columbia, South Carolina 6/71
- 5 **Sigma Pi Sigma 50th Anniversary** □ SOCIETY OF PHYSICS STUDENTS, SOUTHEAST SECTION OF APS □ Columbia, S. C. 8/71
- 6 □ IOWA SECTION OF AAPT □ Fort Dodge, Iowa 8/71
- 6 □ NORTHERN AND SOUTHERN CALIFORNIA SECTIONS OF AAPT □ Oakland, Calif. 9/71
- 8, 9 □ LAMPF USERS GROUP □ Los Alamos, New Mexico 6/71
- 8-10 **Sensing of Environmental Pollutants** □ IEEE, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, INSTRUMENT SOCIETY OF AMERICA, AMERICAN CHEMICAL SOCIETY, NASA, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION □ Palo Alto, Calif. 5/71
- 8-10 **Interaction Phenomena in Engineering Science** □ SOCIETY OF ENGINEERING SCIENCE □ Troy, N. Y. 7/71
- 10-12 □ EASTERN ANALYTICAL SYMPOSIUM □ New York, N. Y. 7/71
- 13 **SOCIETY OF PHYSICS STUDENTS REGIONAL MEETING (ZONE 12)** □ San Francisco, Calif. 8/71
- 15-17 **Uranium Plasmas: Research and Applications** □ AIAA, NASA □ Atlanta, Ga. 8/71
- 15-18 □ PLASMA PHYSICS DIVISION OF APS □ Madison, Wisconsin 7/71
- 16-19 **Magnetism and Magnetic Materials** □ AIP, IEEE □ Chicago, Ill. 7/71
- 20 □ SOCIETY OF PHYSICS STUDENTS REGIONAL MEETING (ZONE 9) □ Manhattan, Kansas 8/71
- 20 □ SOCIETY OF PHYSICS STUDENTS REGIONAL MEETING (ZONE 12) □ Irvine, Calif. 9/71
- 22-24 □ FLUID DYNAMICS DIVISION OF APS □ San Diego, Calif. 7/71

## DECEMBER 1971

- 1-5 □ DIVISION OF ELECTRON AND ATOMIC PHYSICS OF APS □ Atlanta, Georgia 6/71
- 3 □ AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE □ Chicago, Ill. 7/71
- 3, 4 • **Particle Physics** □ UNIV. OF CALIF., IRVINE □ Irvine, Calif. (G. L. Shaw, Dept. of Physics, Univ. of Calif., Irvine, Calif. 92664) 10/71
- 5-8 □ AAS □ San Juan, P. R. 10/70
- 6-9 **1971 Ultrasonics** □ IEEE □ Miami, Florida 2/71
- 12, 13 **Liquid Crystals** □ FARADAY SOCIETY □ London, UK 6/71
- 15, 16 **The Mechanical Properties of Ceramics, Fibers, and Compos-**

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### DECEMBER 1971

ites ☐ IPPS, BASIC SCIENCE SECTION OF THE BRITISH CERAMIC SOCIETY ☐ London, UK 2/71

### JANUARY 1972

- 4-6 Solid State Physics ☐ IOP ☐ Manchester, UK 8/71
- 10-12 Surface Physics of Semiconductors ☐ IOP ☐ Southampton, UK 8/71
- 30-4 Power ☐ IEEE ☐ New York, N. Y. 8/71
- 31-3 ☐ APS-AAPT ☐ San Francisco

### FEBRUARY 1972

- 7-9 Integrated Optics ☐ OSA ☐ Las Vegas, Nevada 8/71
- 28-1 Vacuum Physics ☐ VACUUM PHYSICS GROUP OF THE AUSTRALIAN INSTITUTE OF PHYSICS ☐ South Australia 8/71

### MARCH 1972

- 1-3 Scintillation and Semiconductor Counters ☐ IEEE ☐ Washington D. C. 9/71
- 6-10 • Neutron Inelastic Scattering ☐ IAEA ☐ Grenoble, France (J. Dolnicar, Division of Research and Laboratories, IAEA, Kärntner Ring 11, P. O. Box 590, A-1011, Vienna, Austria) [10/10/71] 10/71
- 9-14 • High Voltage Technology ☐ UNION OF GERMAN ELECTRICAL ENGINEERS, IEEE POWER ENGINEERING SOCIETY ☐ Munich, Germany (International Symposium on High Voltage Technology, c/o Hochspannungsinstitut TU München, 8 München 2 Arcisstrasse 21, Germany) 10/71

- 20-23 ☐ IEEE ☐ New York 9/71
- 20-24 Hydrogen in Metals ☐ GERMAN BUNSEN SOCIETY, NUCLEAR RESEARCH CENTER, JÜLICH ☐ Jülich, Germany 9/71
- 27-30 ☐ APS ☐ Atlantic City, N. J. 10/70

### APRIL 1972

- 4-7 ☐ ACA ☐ Albuquerque, New Mexico 8/71
- 6-8 ☐ LOW-TEMPERATURE DIVISION OF EUROPEAN PHYSICAL SOCIETY ☐ Freudenstadt, Germany 9/71
- 8-12 ☐ AAS ☐ Seattle, Wash. 9/71
- 9-13 Magnetism ☐ MAGNETICS GROUP OF JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, MAGNETICS GROUP OF IEEE, INSTITUTE OF ELECTRICAL ENGINEERS OF JAPAN ☐ Kyoto, Japan 8/71
- 10-12 Acoustical Holography ☐ IEEE, QUANTUM INSTITUTE OF THE UNIV.



- 10-12 • **Thin Films** □ IOP □ York, UK  
(Secretary, Thin Films and Surface Group, IOP, 47 Belgrave Square, London SW1, UK)  
10/71

- 10-14 **The Impact of Computers on Physics** □ COMPUTATIONAL PHYSICS GROUP OF THE EUROPEAN PHYSICAL SOCIETY □ Geneva, Switzerland 6/71

- 11-13 • **Industrial Measurement and Control by Radiation Techniques** □ INSTITUTE OF ELECTRICAL ENGINEERS, INSTITUTE OF ELECTRICAL AND RADIO ENGINEERS, IPPS, INSTITUTE OF MEASUREMENT AND CONTROL, IEEE UK AND REPUBLIC OF IRELAND SECTION □ Surrey, UK (IEE Office, Savoy Place, London WC 2, UK) 10/71

- 11-14 □ OSA □ New York, N. Y.

- 12-14 **Machine Perception of Patterns and Pictures** □ IOP □ Teddington, UK 8/71

- 17-19 **Nuclear Physics** □ UNIV. OF BIRMINGHAM □ Birmingham, UK 9/71

- 17-20 • **Atomic and Molecular Physics** □ IOP SUBCOMMITTEE ON ATOMIC AND MOLECULAR PHYSICS □ Sussex, UK (IOP, 47 Belgrave Square, London SW1, UK) 10/71

- 17-21 □ ASA □ Buffalo, N. Y. 6/70

- 17-21 **Inner-Shell Ionization Phenomena** □ ORGANIZING COMMITTEE INTERNATIONAL CONFERENCE ON INNER-SHELL IONIZATION PHENOMENA, AEC, IUPAP, GEORGIA STATE COLLEGE □ Atlanta, Georgia 9/71

- 24-26 **Speech Communication and Processing** □ IEEE GROUP ON AUDIO AND ELECTROACOUSTICS, AIR FORCE CAMBRIDGE RESEARCH LABS □ Boston, Mass. 7/71

- 24-27 □ APS □ Washington, D. C.

- 27, 28 **Low-Energy Electron Diffraction** □ ELECTION AND ATOMIC PHYSICS DIVISION OF APS □ Washington, D. C. 9/71

- 28, 29 **Experimental Meson Spectroscopy** □ UNIV. OF PENNSYLVANIA □ Philadelphia, Pa. 9/71

#### MAY 1972

- 1-3 ♦ **Applied Superconductivity** □ IEEE, AIP, DEPARTMENT OF NAVY, NSF, NASA □ Annapolis, Md. (E. C. van Reuth, Naval Ship Research and Development Lab., Annapolis, Md. 21402) 9/71 (Note corrected information.)

- 2-5 **Titanium** □ ORGANIZING COMMITTEE OF THE SECOND CONFERENCE ON TITANIUM □ Cambridge, Mass. 5/71

- 7-11 **Quantum Electronics** □ IEEE, AIP, OSA, APS □ Montreal, Canada 10/70

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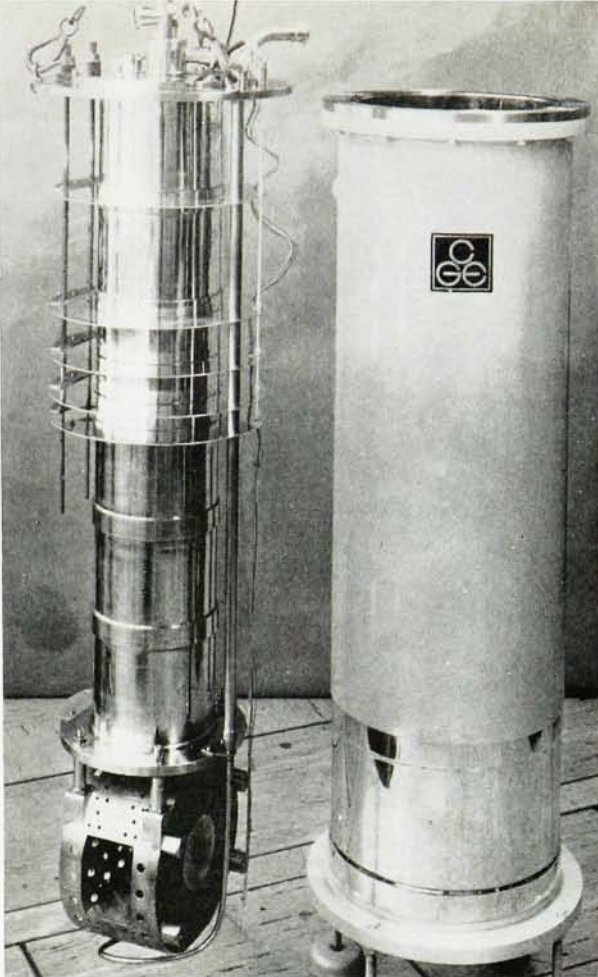
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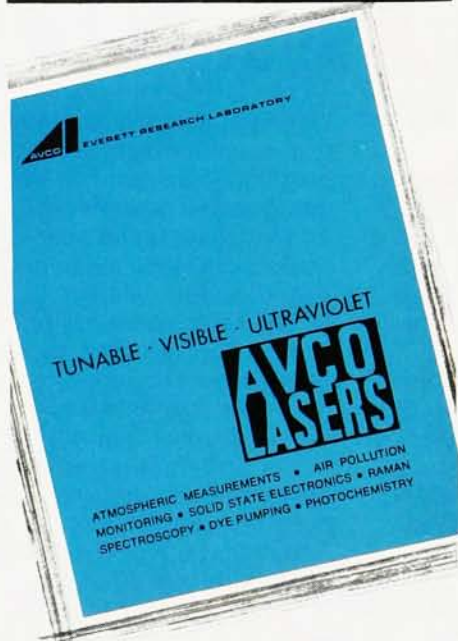
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- 15-19 **Thin Films** □ INTERNATIONAL THIN FILM COMMITTEE, ITALIAN PHYSICAL SOCIETY, ITALIAN ELECTRICAL AND ELECTRONIC ASSOCIATION □ Venice, Italy 7/71

- 21-24 • **Underground Transmission** □ IEEE POWER ENGINEERING SOCIETY □ Pittsburgh, Pa. (R. F. Lawrence, Westinghouse Elec. Corp, 700 Braddock Ave. E. Pittsburgh, Pa. 15112) 10/71

- 22-25 **Microwaves** □ IEEE □ Chicago, Ill. 9/71

## JUNE 1972

- 11-14 **Nuclear Reactors and Radioisotopes** □ CANADIAN NUCLEAR ASSOCIATION □ Ottawa 11/69

- 12-17 • □ HEALTH PHYSICS SOCIETY □ Las Vegas, Nev. (*Health Physics Society*, P. O. Box 156, E. Weymouth, Mass. 02189) 10/71

- 18-22 • □ AMERICAN NUCLEAR SOCIETY □ Las Vegas, Nev. (R. R. Quinn, *American Nuclear Society*, 244 E. Ogden Ave., Hinsdale, Ill. 60521) 10/71

- 22-24 □ AAPT □ Albany, N. Y. 6/70

- 26-28 • **Effects of Radiation on Structural Metals** □ AMERICAN SOCIETY FOR TESTING AND MATERIALS □ Los Angeles, Calif. (*American Society for Testing and Materials*, 1916 Race St, Philadelphia, Pa. 19103) 10/71

- 26-29 • **Precision Electromagnetic Measurements** □ IEEE □ Boulder, Colo. (*Meetings Information*, 345 E. 47th St, New York, N. Y. 10017) 10/71

## JULY 1972

- 3-5 **Band Structure in Solids** □ SOLID STATE PHYSICS SUB-COMMITTEE OF IPPS □ Exeter 10/70

- 10-14 • **Rarefied Gas Dynamics** □ STANFORD UNIV. □ Stanford, Calif. (K. Karamcheti, Dept. of Aeronautics and Astronautics, Stanford Univ., Stanford, Calif. 94305) [12/71] 10/71

- 18-21 **Cyclotrons** □ Vancouver, B. C., Canada 10/70

- 19-21 **Defects in Semiconductors** □ IOP □ Reading, UK 8/71

- 25-29 • **Physics of Semiconductors** □ IUPAP, POLISH ACADEMY OF SCIENCES, UNIV. OF WARSAW □ Warsaw, Poland (J. Chroboczek, *International Conference on the Physics of Semiconductors*, Instytut Fizyki Pan, Zielna 37, Warsaw, Poland) 10/71

## AUGUST 1972

- 14-18 **Physics and Chemistry of Ice** □ ROYAL SOCIETY OF CANADA □ Ottawa, Canada 1/71

- 14-17 • **Materials Technology** □ BRAZILIAN NATIONAL RESEARCH COUNCIL, ORGANIZATION OF AMERICAN STATES, FORD FOUNDATION □ Rio de Janeiro, Brazil (D. L. Black, *Southwest Research Institute*, P. O. Box 28410, San Antonio, Texas 78228) 10/71

- 20-25 **Combustion** □ UNIV. OF PENNSYLVANIA, EASTERN SECTION OF COMBUSTION INSTITUTE □ University Park, Pa. 8/71

- 20-26 • **Low-Temperature Physics** □ IUPAP, NBS, UNIV. OF COLO. □ Boulder, Colo. (R. H. Kropschot, *LT13 Conference Chairman*, Cryogenics Division, NBS, Boulder, Colo. 80302) [5/15/72] 10/71

- 21-25 **Extended Atmospheres and Circumstellar Matter in Spectroscopic Binary Systems** □ INTERNATIONAL ASTRONOMICAL UNION □ Victoria, B. C., Canada 2/71

- 21-26 • **Magnetic Resonance and Related Phenomena** □ EUROPEAN PHYSICAL SOCIETY □ Turku, Finland (V. Hovi, *Wihuri Physical Laboratory*, Univ. of Turku, 20500 Turku 50, Finland) 10/71

- 21-26 **Theoretical and Applied Mechanics** □ NATIONAL RESEARCH COUNCIL □ Moscow, USSR 9/71

- 27-7 □ INTERNATIONAL UNION OF CRYSTALLOGRAPHY □ Kyoto, Japan 1/71

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## 24-28 JANUARY 1972

**Measurement Systems Engineering** □ ARIZONA STATE UNIVERSITY □ Tempe, Ariz. (P. K. Stein, *Arizona State Univ., Measurement Engineering Short Course*, Engineering Center, Tempe, Arizona 85281) [1/14/72]

## 24-28 JANUARY 1972

**Direct Energy Conversion** □ ARIZONA STATE UNIV. □ Tempe, Ariz. (C. E. Backus, *College of Engineering Sciences*, Arizona State Univ., Tempe, Ariz. 85281)

## 2-29 JULY 1972

**Plasma Physics** □ MINISTÈRE DE L'ÉDUCATION NATIONALE (FRANCE) □ Les Houches, Haute Savoie, France (*Ecole d'Été de Physique Théorique*, F-74, Les Houches, France or C. DeWitt, Dept. of Physics, Univ. of North Carolina, Chapel Hill, N. C. 27514 [3/15/72])

Lecturers: G. Bekefi, A. Bers, J. L. Delcroix, G. Laval, J. Peyraud

## 30 JULY-31 AUGUST 1972

**Black Hole Astrophysics** □ MINISTÈRE DE L'ÉDUCATION NATIONALE (FRANCE) □ Les Houches, Haute Savoie, France (*Ecole d'Été de Physique Théorique*, F-74, Les Houches, France or C. DeWitt, Dept. of Physics, Univ. of North Carolina, Chapel Hill, N. C. 27514) [3/15/72]

Lecturers: I. D. Novikov, K. S. Thorne, S. W. Hawking, R. Ruffini, J. M. Bardeen

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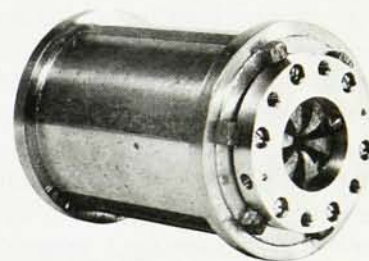
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## SEPTEMBER 1972

- 3-8 **Properties of Liquid Metals** ☐ JAPAN INST. OF METALS, PHYSICAL SOC. OF JAPAN ☐ Tokyo 10/70
- 4-8 **Rheology** ☐ S OF R ☐ Lyon, France 8/71
- 5-12 • **Electron Microscopy** ☐ IOP ☐ Manchester, UK (*L. Lawrence, IOP, 47 Belgrave Square, London, SW1, UK*) 10/71
- 6-13 **High-Energy Physics** ☐ NATIONAL ACCELERATOR LABORATORY, UNIV. OF CHICAGO ☐ Chicago, Ill. 8/71
- 12-15 • **Solid State Devices** ☐ EUROPEAN PHYSICAL SOCIETY ☐ Lancaster, UK (*C. Hilsom, Royal Radar Establishment, St. Andrews Rd, Malvern, Worcester, UK*) 10/71
- 17-20 • **Storage and Flow of Solids** ☐ MATERIALS HANDLING ENGINEERING DIVISION OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, SOCIETY OF MINING ENGINEERS OF THE AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS, AMERICAN SOCIETY OF CIVIL ENGINEERS ☐ Chicago, Ill. (*T. Ferdinand, Conferences and Divisions, ASME, 345 E. 47th St, New York, N. Y. 10017*) 10/71

## OCTOBER 1972

- 1-5 • **Engineering in Medicine and Biology** ☐ IEEE GROUP ON ENGINEERING IN MEDICINE AND BIOLOGY, ALLIANCE ENGINEERING IN MEDICINE AND BIOLOGY ☐ Bal Harbor, Fla. (*S. P. Aspers, Hopkins Hospital, 601 N Broadway, Baltimore, Md. 21205*) 10/71
- 6-12 **Electron Microscopy** ☐ IPPS, ROYAL MICROSCOPICAL SOC. ☐ Manchester, UK 6/70
- 17-20 ☐ OSA ☐ San Francisco

## NOVEMBER 1972

- 28-1 ☐ ASA ☐ Miami Beach, Fla. 10/70

## DECEMBER 1972

- 18-22 **Relativistic Astrophysics** ☐ ORGANIZING COMMITTEE OF SIXTH TEXAS SYMPOSIUM ON RELATIVISTIC ASTROPHYSICS ☐ New York, N. Y. 9/71

## AUGUST 1973

- 20-25 • **Magnetism** ☐ SCIENTIFIC COUNCIL OF SOLID STATE PHYSICS, USSR ACADEMY OF SCIENCES ☐ Moscow, USSR (*A. Goussev, Scientific Council of Solid State Physics, USSR Academy of Sciences, 44 Vavilov St, Bldg. 2, Room 44, Moscow B-333, USSR*) 10/71 ☐

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