CALENDAR

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

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. The date at the end of each item refers to the issue of PHYSICS TODAY in which the item is listed with more detail than appears in subsequent issues.

NOVEMBER 1968

1–3 **Conference on Plasma** □ Gatlinburg, Tenn. *(D. D. Cowen) 10/68*

2 • □ AAPT MICHIGAN SECTION □ Delta College *(D. De Graaf, Flint College of University of Michigan, Flint, Michigan) 11/68*

6, 7 **Precision Photography for Intergrated Electronic Circuitry-Tutorial Seminar** □ SOCIETY OF PHOTOGRAPHIC SCIENTISTS & ENGINEERS □ Palo Alto, Calif. *(Soc. of Photographic Scientists & Engineers) 10/68*

6–8 **Pittsburgh Diffraction Conference** □ MELLON INSTITUTE □ Pittsburgh, Pa. *(S. Diamond) 7/68*

10–14 • **International Conference on Constructive Uses of Atomic Energy** □ ATOMIC INDUSTRIAL FORUM, ANS □ Washington, D. C. *(Atomic Industrial Forum, 850 Third Ave., New York 10022) 11/68*

The 14th exposition of the nuclear industries will be held simultaneously.

10–15 **Winter Meeting** □ AMERICAN NUCLEAR SOCIETY □ Washington, D. C. *(F. Schroeder) 6/68*

11–13 **Technical Meeting** □ SOCIETY OF ENGINEERING SCIENCE □ Princeton U. *(A. C. Eringen) 10/68*

11–13 • **Conference on Thermal Properties of Solids at High Temperature** □ DEUTSCHE KERAMISCHE GESELLSCHAFT □ Baden-Baden, W. Germany *(G. Rechenberger, Deutsche Keramische Gesellschaft, D 534 Bad Honnef/Rhein, Postfach 129, W. Germany) 11/68*

13–16 **Annual Meeting** □ PLASMA PHYSICS DIV.-APS □ Miami Beach, Fla. *(W. B. Ard) 7/68*

18–21 **Magnetism and Magnetic Materials** □ AIP, IEEE □ New York *(D. T. Teaney) 3/68*

18–22 **Symposium on Nuclear Desalination** □ IAEA □ Madrid, Spain *(IAEA) 10/68*

19–21 **Physics in the Metal Forming Industries** □ IPPS □ Harrogate, Yorkshire England *(Meetings Officer, IPPS) 6/68*

19–22 □ ASA □ Cleveland, Ohio *(J. L. Hunter) 9/68*

21, 22 **Chemical Kinetics** □ U. OF NORTH CAROLINA □ Chapel Hill, N. C. *(L. Pedersen) 6/68*

25–27 **Fluid Dynamics** □ DIV.-APS □ Seattle, Wash. *(A. Goldberg) 9/68*

25–27 **Fall Meeting and Nuclear Physics Div.** □ APS □ Miami Beach, Fla. *(W. W. Havens Jr) 3/68*

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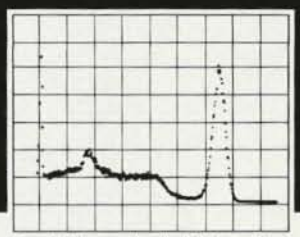
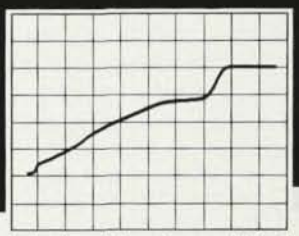


Acquisition: pulse height spectrum stored in analyzer memory



Reduction: integral curve obtained by pushbutton command

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DECEMBER 1968

2–4 □ AMERICAN GEOPHYSICAL UNION □ San Francisco *(J. C. Harrison) 2/68*

2–4 **Reliability Physics** □ IEEE □ Washington, D. C. *(S. Schwartz)* [11/1] *8/68*

3 • **Materials and Testing at Harwell** □ NON-DESTRUCTIVE TESTING CENTRE AT HARWELL, BRITISH ACOUSTICAL SOCIETY □ Harwell *(W. N. Reynolds, Non-Destructive Testing Centre, AERE, Harwell, Didcot, Berkshire) 11/68*

Topics include laser-light scattering ultrasonic holograms, ultrasonic transducers, correlation methods, quality control, helicon waves.

4–7 **Annual Meeting** □ AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE □ Chicago *(R. O. Gorson) 6/68*

11–13 □ AAS □ Austin, Tex. *(P. M. Routly) 3/68*

16–20 **Relativistic Astrophysics** □ SOUTHWEST CENTER FOR ADVANCED STUDIES □ Dallas *(I. Robinson) 9/67*

18–20 **Winter Meeting** □ APS □ San Diego *(W. Whaling) 2/68*

26–31 **Annual Meeting** □ AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE □ Dallas, Tex. *(AAAS) 10/68*

JANUARY 1969

7–9 • **Conference on Solid State Physics** □ IPPS □ University of Manchester *(S. F. Edwards, FRS., Dept. of Theoretical Physics, Schuster Laboratory, The University, Manchester 13, England) 11/68*

11–15 **Annual Meeting** □ S OF R □ Williamsburg, Va. *(J. G. Brodnyan) 6/68*

13–17 **Non-Metallic Crystals** □ IUPAP □ Delhi, India *(S. C. Jain) 8/68*

13–18 **Atomic, Molecular and Solid-State Theory and Quantum Biology** □ U. OF FLORIDA, UPPSALA U. □ Sanibel Island, Fla. *(Winter Institute) 9/68*

29–31 **Health Physics Operational Monitoring** □ HEALTH PHYSICS SOCIETY □ Los Angeles *(C. A. Willis)* [1/69] *9/68*

FEBRUARY 1969

3–6 ♦ **Annual Meeting** □ AAPT-APS □ New York *(W. W. Havens, AAPT-Ronald Geballe, U. of Washington, Seattle) 4/68*

27–1 **Southwest Meeting** □ APS □ St. Louis, Mo. *(R. G. Sachs) 4/68*

MARCH 1969

5–7 **1969 Particle Accelerator Conference** □ IEEE □ Washington, D. C. *(J. A. Martin)* [11/8] *10/68*

NEW LISTING OF SCHOOLS AND SHORT COURSES

6–10 JANUARY 1969

• **Polymer Physics** □ PHYSICS IN INDUSTRY SUBCOMMITTEE-IPPS, U. OF MANCHESTER □ Manchester Institute of Science and Technology *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W. 1) [11/15]*

The aim is to provide a refresher course for polymer scientists working in industry and research establishments.

27–28 MARCH 1969

• **Technology of Temperatures Below 20°K** □ COMMISSION I-INTERNATIONAL INSTITUTE OF REFRIGERATION □ British Academy, London *(J. Wilks, Clarendon Lab., Oxford)*

This short course is designed to give a survey of practical methods of obtaining and utilizing temperatures in this region.

16–27 JUNE 1969

• **Physics of Quantum Electronics** □ U. OF ARIZONA □ Flagstaff, Arizona *(S. F. Jacobs, Optical Science Center, U. of Arizona, Tuscon, Arizona 85721)*

The course will cover atomic coherence effects (light scattering, self-induced transparency, theory of laser), nonlinear optical phenomena (picosecond pulses, parametric optics) and statistical properties of radiation.

30 JUNE–23 AUGUST 1969

• **Physical Problems in Biology** □ UNIVERSITÉ DE GRENOBLE □ 74 Les Houches, France *(Cécile DeWitt, Dept. of Physics, U. of North Carolina, Chapel Hill, N. C. 27514) [3/15]*

This summer school will present a review of the main problems where the theoretical and experimental techniques of physics have been extensively applied to biology: biological macromolecules, membranes, sensorial organs, muscles, nerves, use of nuclear magnetic resonance, electron paramagnetic resonance in biological system.

21 JULY–29 AUGUST 1969

• **Rencontres in Mathematics and Physics** □ BATTELLE MEMORIAL INSTITUTE □ Seattle, Wash. *(V. Bargmann, Princeton U., N. J. 08540 or R. S. Paul, Battelle Memorial Institute, 4000 N. E. 41 St., Seattle, Wash.)*

This summer course will consider group representations in mathematics and physics.

4–12 AUGUST 1969

• **Crystallographic Computing** □ INTERNATIONAL UNION OF CRYSTALLOGRAPHY-COMMISSION ON CRYSTALLOGRAPHIC COMPUTING □ Carleton U., Ottawa, Canada *(F. R. Ahmed, National Research Council of Canada, Ottawa)*

A summer school covering the direct methods of structure determination, least-squares procedures, thermal vibration, absorption and extinction corrections, crystallographic computer systems, Fourier techniques, and organization of data files.

6, 7 **Acoustical Holography** □ DOUGLAS ADVANCED RESEARCH LABORATORIES □ Huntington Beach, Calif. *(Secretary, 2nd International Symp. Acoust. Holography)* [12/2] *7/68*

10–13 **1969 Physics Exhibition** □ IPPS □ London *(Exhibitions Officer) 10/68*

11–15 □ OSA □ San Diego, Calif. *(M. E. Warga) 4/68*

13–15 **Isobaric Spin** □ APS □ Pacific Grove, Calif.

17–19 **Physical Electronics** □ YALE UNIVERSITY □ New Haven, Conn. *(T. E. Fischer) 9/68*

17–19 **Annual Meeting** □ SOLAR ENERGY SOCIETY *(F. E. Edlin) 10/68*

23–29 □ ACA □ Seattle, Wash.

24–26 **Chemical, High-Polymer and Solid-State Physics Div.** □ APS □ Philadelphia, Pa. *(W. W. Havens Jr) 5/68*

26–28 • **Elementary Particles** □ NUCLEAR PHYSICS SUBCOMMITTEE, IPPS □ Cambridge *(Meetings Officer, IPPS, 47 Belgrave Sq., London S.W. 1) 11/68*

Topics include strong interactions at high energy, symmetry theories, cp violation, sum rules and bootstraps, s-matrix theory, asymptotic behavior at high energy, electromagnetic interactions, and meson and baryon resonances.

APRIL 1969

8–11 **Inaugural Meeting** □ EUROPEAN PHYSICAL SOCIETY □ Florence, Italy, *(L. Cohen) 8/68*

8–11 □ ASA □ Philadelphia, Pa.

15–18 **Intermag** □ IEEE □ Amsterdam *(Th. Holtwijk) 9/68*

15–18 **Conference on the Physics of Liquids** □ SOLID STATE PHYSICS SUBCOMMITTEE, IPPS □ Norwich, Norfolk, UK *(Meetings Officer) 10/68*

16–18 **Geoscience Electronics Symposium** □ IEEE □ Washington, D. C. *(M. E. Ringenbach)* [1/69] *10/68*

21–25 **Fundamental Aspects of Dislocation Theory** □ NBS □ Washington, D. C. *(R. deWit)* by invitation only) *8/68*

21–25 **50th Anniversary Meeting** □ AMERICAN GEOPHYSICAL UNION □ Washington, D. C. *(Geophysical Union Headquarters 8/68*

21–25 **Solid State Chemistry** □ ARIZONA STATE U. □ Scottsdale, Ariz. *(L. Eyring) 8/68*

28–30 **Surface Science, Effusion and Evaporation** □ NEW MEXICO SECTION AVS, LOS ALAMOS SCIENTIFIC

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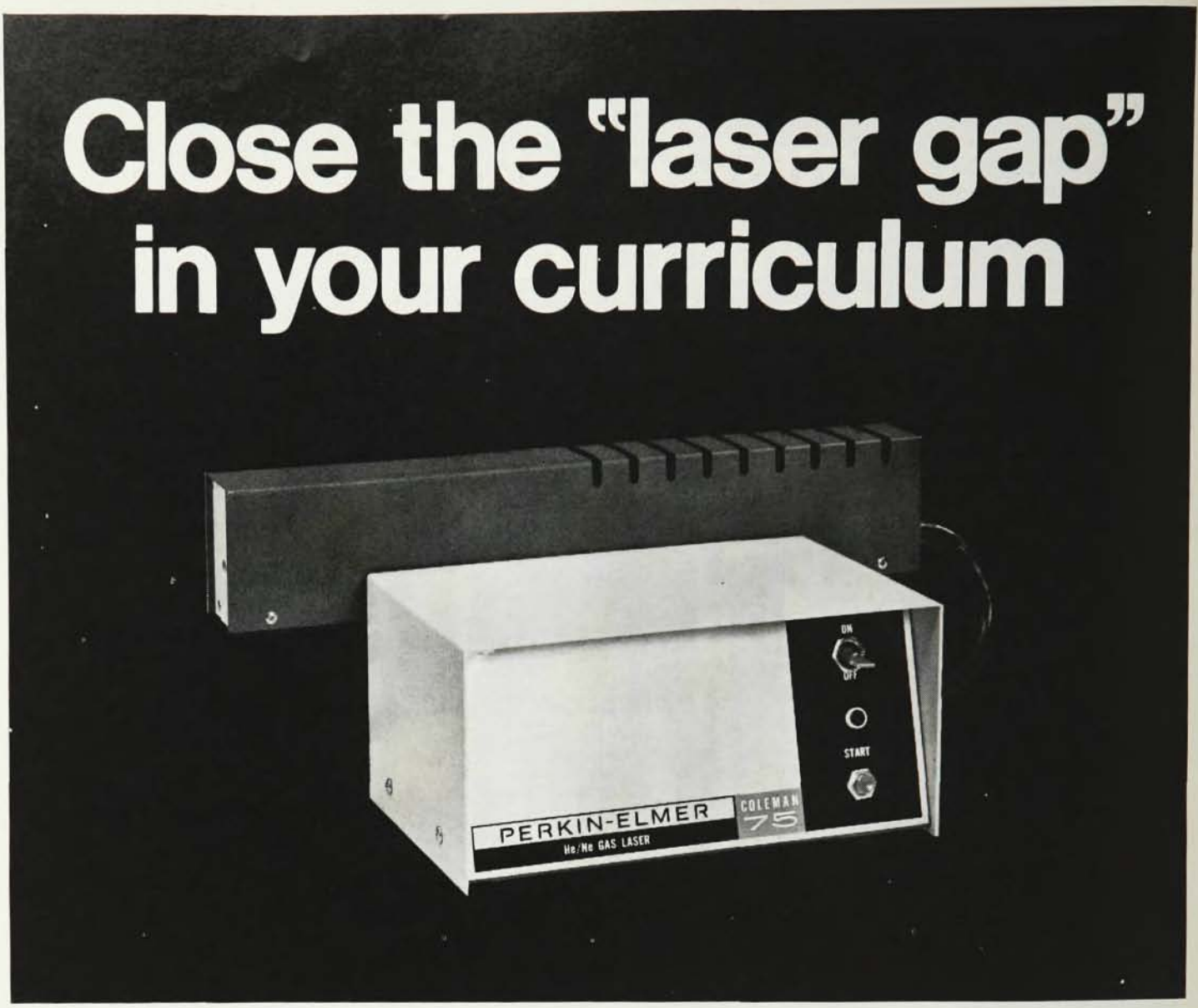

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APRIL 1969

LABORATORY □ Los Alamos, N. M. *(C. Winkelman) 8/68*

28–1 **Spring Meeting and Nuclear Physics Div.** □ APS □ Washington, D. C. *(W. W. Havens Jr) 5/68*

28–2 **Thin Films** □ INTERNATIONAL CONFERENCE ON THIN FILMS □ Boston, Mass. *(M. H. Francombe)* [11/29] *6/68*

MAY 1969

2 • □ ELECTRON AND ATOMIC PHYSICS DIV.—APS □ Washington, D. C. *(W. W. Havens Jr, APS, 335 E. 45 St., New York 10017) 11/68*

4–9 **Spring Meeting** □ ELECTROCHEMICAL SOCIETY □ New York *(Electrochemical Society) 8/68*

7–9 **Annual Symposium** □ AVS-SOUTHWEST SECTION *(R. P. Fedchenko) 10/68*

14–17 • □ ISOTOPES AND RADIATION DIV. —ANS □ San Juan, P. R. *(O. J. Du Temple, Executive Secretary, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521) 11/68*

19–21 **Offshore Technology** □ AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS □ Houston, Tex. *(C. Karlson, 8/68*

26–28 **Laser Engineering** □ IEEE □ Washington, D. C. *(F. R. Arams)* [1/17] *8/16*

27–30 **Annual Meeting** □ SOCIÉTÉ DE CHIMIE PHYSIQUE □ Paris *(Secrétaire Général de la Société de Chimie physique) 10/68*

JUNE 1969

8–12 **Annual Meeting** □ HEALTH PHYSICS SOCIETY □ Pittsburgh, Pa. *(R. F. Cowing) 10/68*

16–19 • **Annual Meeting** □ ANS □ Seattle, Wash. *(O. J. Du Temple, Executive Secretary, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521) 11/68*

18–20 **Summer East Meeting** □ APS □ Rochester, N. Y. *(W. W. Havens Jr) 6/68*

23–25 **Shock Tubes** □ APS □ Toronto

23–25 **Summer Meeting** □ AAPT □ St. Louis, Mo.

23–27 • **Annual Meeting** □ SOCIETY OF NUCLEAR MEDICINE □ New Orleans, La. *(S. N. Turiel, Director, Professional Education, Nuclear Chicago Corp., 333 E. Howard St., Des Plaines, Ill. 60018) 11/68*

23–27 • **Conference on Plasma Physics and Controlled Fusion** □ FOM-INSTITUTE FOR PLASMA PHYSICS □ Utrecht, Netherlands *(FOM-Institute for Plasma Physics, Rijnhuizen, Postbus 7, Jutphaas, Netherlands) 11/68*

JULY 1969

14–18 **Atomic Absorption Spectroscopy** □ IPPS □ Sheffield, England *(AAS Conference Secretary) 8/68*

14–18 • **Conference on Physics and Chemistry of Fission** □ IAEA □ *(L. Agnew, IAEA, Vienna) 11/68*

AUGUST 1969

11–14 • **Symposium on Electron and Nuclear Magnetic Resonance** □ AUSTRALIAN ACADEMY OF SCIENCE □ Clayton, Victoria, Australia *(Executive Secretary, Australian Academy of Science, Gordon St., Canberra City, A.C.T., Australia 2601) 11/68*

Topics: nuclear magnetic resonance (high resolution, wide-line, and spin echo), electron spin resonance of solids, liquids, and gases, pure quadrupole resonance, other forms of magnetic resonance such as ferromagnetic resonance, and cyclotron resonance.

11–15 **Medical Physics** □ US NATIONAL COMMITTEE FOR MEDICAL PHYSICS, INTERNATIONAL ORGANIZATION FOR MEDICAL PHYSICS □ Boston *(E. W. Webster) 8/68*

13–21 **International Congress** □ INTERNATIONAL UNION OF CRYSTALLOGRAPHY □ Stony Brook, N. Y. *(International Union of Crystallography)* [6/1] *7/68*

25–30 • **Conference on Properties of Nuclear States** □ University of Montreal *(G. T. Ewan, Conference Secretary, Chalk River Nuclear Laboratories, Canada) 11/68*

26–28 • **Computerized Electronics** □ CORNELL UNIVERSITY □ Ithaca, N. Y. *(H. J. Carlin, Phillips Hall, Cornell U. 14850) 11/68*

Topics focus on algorithmic techniques which simulate a complex system, physical device, or experiment, to yield flexible computer programs which can be easily employed on an everyday basis.

SEPTEMBER 1969

2–4 **Summer West Meeting** □ APS □ Honolulu

24–26 • **Conference on Nuclear Structure and Elementary Particle Physics** □ NUCLEAR PHYSICS SUBCOMMITTEE, IPPS □ Brighton, UK *(Meetings Officer, IPPS, 47 Belgrave Sq., London, S. W. 1) 11/68*

OCTOBER 1969

5–10 **Fall Meeting** □ ELECTROCHEMICAL SOCIETY □ Detroit *(Electrochemical Society) 8/68*

19–21 □ S OF R □ St. Paul, Minn.

21–24 □ OSA □ Chicago

29–31 **Gaseous Electronics** □ APS □ Gatlinburg, Tenn.

29–31 • **Nuclear Science Symposium and**

The Institute of Physics and The Physical Society

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OCTOBER 1969

Exhibition □ GROUP ON NUCLEAR SCIENCE—IEEE □ San Francisco *(Technical Conf. Services, IEEE, 345 E. 47 St., New York 10017) 11/68*

NOVEMBER 1969

4–7 **National Meeting** □ ASA □ San Diego, Calif.

DECEMBER 1969

17–19 □ APS □ Los Angeles, Calif.

JANUARY 1970

26–29 **Annual Meeting** □ APS–AAPT □ Chicago

FEBRUARY 1970

2–7 • **Conference on Nuclear Data for Reactions** □ IAEA *(L. Agnew, IAEA, Vienna) 11/68*

MARCH 1970

23–26 □ APS □ Dallas, Tex.

APRIL 1970

7–10 • □ OSA □ Philadelphia, Pa.

21–24 □ ASA □ Atlantic City, N. J.

27–30 □ APS □ Washington, D. C.

JUNE 1970

18–20 □ AAPT □ Laramie, Wyom.

22–24 • □ APS □ Manitoba, Canada

14–18 • **Annual Meeting** □ ANS □ Houston, Tex. *(O. J. Du Temple, Executive Secretary, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521) 11/68*

NOVEMBER 1970

3–6 □ ASA □ Houston, Tex.

FEBRUARY 1971

1–4 □ APS–AAPT □ New York

APRIL 1971

26–29 □ APS □ Washington, D. C.

JUNE 1971

17–19 □ AAPT □ Beloit, Wisc.

JANUARY 1973

29–1 □ APS –AAPT □ New York □