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Ion Physics\* has built several superconducting, inductive energy-storage devices using SUPERCON materials. An experimental 1200-joule device operating at a field of 54 KG with currents of 26 to 34 amps in parallel windings of .010-in. diameter wire is shown below at left. The cylinder at right is the fast-discharge switch, which uses bare .005-in. diameter wire. IPC's engineers and scientists are extremely pleased with SUPERCON's materials and excellent service.

\*Ion Physics Corporation, a subsidiary of High Voltage Engineering Corporation, Burlington, Massachusetts. Attention: P. R. Wiederhold.



## SUPERCON

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AREA CODE: 713/HO 2-2010

## CALENDAR

Meeting announcements intended for inclusion in the calendar should be submitted at least eight weeks before meetings are to take place. Send notices to Physics Today, 335 East 45th Street, New York 17, N.Y.

• new announcement

♦ change from previous listing

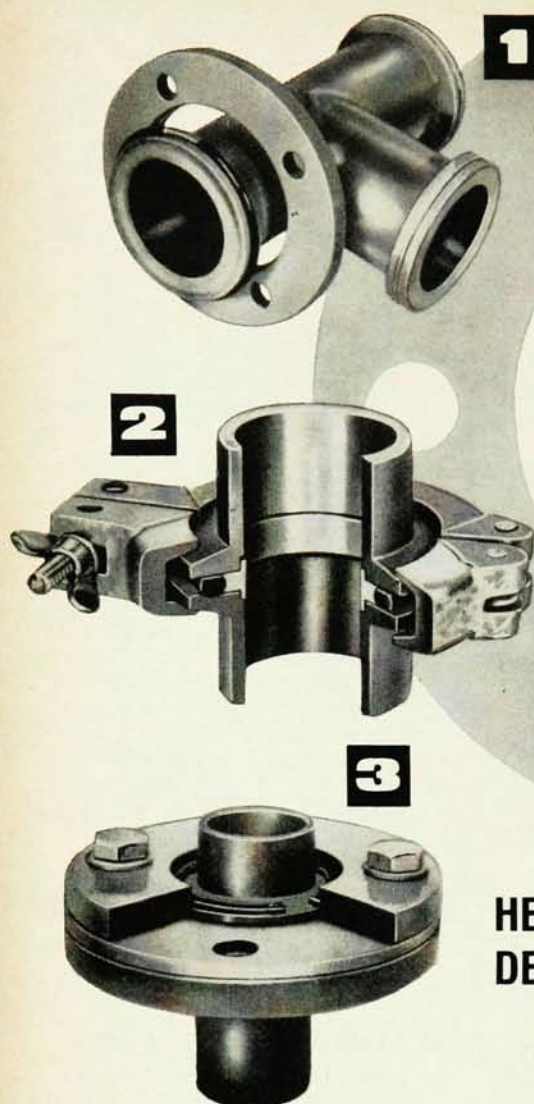
### April 1964

- 17-18 Modern Aspects of Resonance Physics (Corning Glass Center), **APS New York State Section** spring meeting: J. T. Kerr, Corning Glass Works, Corning, N.Y.
- 19-21 Radioisotopes (Gatlinburg) spons'd by Oak Ridge Nat'l Lab, Oak Ridge Inst. of Nuclear Studies: R. Overman, Special Training Div., ORINS, PO Box 117, Oak Ridge, Tenn. (See Nov. '63 PT, p. 111)
- 21-23 Spring Joint Computer Conference (Washington, D.C.) spons'd by American Federation of Information Processing Soc.: Phyllis Huggins, AFIPS, PO Box 55, Malibu, Calif.
- 21-24 American Meteorological Society (Washington, D. C.), joint meeting with American Geophysical Union Meteorology Section: F. G. Shuman, US Weather Bureau, 24th and M Streets, NW, Nat'l Meteorological Center, Washington, D.C.
- 22-25 American Geophysical Union (Washington, D.C.): W. E. Smith, AGU, 1515 Mass. Ave., Washington, D.C.  
Rare Earths (Phoenix, Ariz.): L. Eyring, Arizona State U., Tempe, Ariz. (See Oct '63 PT, p. 108)
- 27-28 Combustion Institute Western States Section (Santa Clara County, Calif.): Secretary, CI/WSS, 16902 Bollinger Dr., Pacific Palisades, Calif. (See Feb. PT, p. 92)
- 27-30 American Physical Society (Washington, D.C.): K. K. Darrow, 538 W. 120 St., New York 27, N.Y.
- 27-1 Society of Photographic Scientists and Engineers (New York City) cospons'd by Columbia U. School of Engineering and Applied Sciences: W. Clark, Eastman Kodak Research Labs, Rochester 4, N.Y.
- 29-1 Institute of Electrical and Electronics Engineers (Salt Lake City), cosponsored by Instrument Soc. of America: C. Clark, Electrical Engrg. Dept., Utah State U., Logan, Utah (See Jan. PT, p. 131)
- 4-6 Instrument Society of America (Hotel Biltmore, New York City): 10th Nat'l Aerospace Instrumentation Symp., Box 325, Bethpage, L.I., N.Y.
- Frequency Control (Shelburne Hotel, Atlantic City) spons'd by US Army Electronics Research and Development Lab: US Army Electronics Research and Development Lab, Ft. Monmouth, N. J. (See Mar. PT, p. 94)
- 4-7 American Astronautical Society (New York City): AAS, 516 Fifth Ave., New York, N.Y.
- 4-8 Strata Control and Rock Mechanics (New York City): S. Boshkov, Columbia U., New York 27, N.Y.
- 5-6 Human Factors in Electronics (San Diego) spons'd by Inst. of Electrical and Electronics Engrs.: IEEE, Box A, Lenox Hill Sta., New York 21, N. Y.
- 6-7 Optical Masers (Toronto) spons'd by Electrochemical Soc. Electronics Div.: R. N. Hall, GE Research Lab, PO Box 1088, Schenectady, N.Y. (See Nov. '63 PT, p. 111)
- 6-9 Acoustical Society of America (New York City): W. A. Tyrrell, Bell Telephone Labs, Whippany, N. J. (See Feb. PT, p. 92)
- 7-8 Vacuum Microbalance Techniques (Mellon Inst., Pittsburgh): F. A. Brassart, Westinghouse Research and Development Center, Beulah Rd., Churchill Boro, Pittsburgh 35, Pa. (See Oct. '63 PT, p. 108)
- 8-9 AAPT Wisconsin Section (Wisconsin State College): R. McGregor, Wisconsin State College, Eau Claire, Wisc.  
Surface Physics (Washington State U.): E. E. Donaldson, Physics Dept., Washington State U., Pullman, Wash.
- 9 AAPT Michigan Section (East Lansing): S. K. Haynes, Dept. of Physics and Astronomy, Michigan State U., East Lansing, Mich.
- 12-16 Space Science (Florence, Italy) spons'd by Committee on Space Research: P. J. Beaulieu, COSPAR, 55 Blvd. Malesherbes, Paris 8, France
- 14-15 Metals and Minerals (Los Angeles) spons'd by American Inst. of Mining, Metallurgical, and Petroleum Engrs.: 1964 SW Metals and Minerals Conf., Rm. 1234, Pacific Mutual Bldg., 523 W. 6 St., Los Angeles 14, Calif. (See Dec. '63 PT, p. 106)
- 18-20 • Radiation Research Society (Hotel Fontainebleau, Miami Beach): G. D. Adams, U. of Calif. Medical Center, San Francisco, Calif.

### May 1964

- 3-7 Electron and Ion Beams (Toronto): M. E. Boston, Torvac Ltd., Histon, Cambridge, England
- 4-5 Inter-Society Color Council (Statler Hilton Hotel, New York City): R. M. Evans, Photographic Technology Div., Eastman Kodak Co., Rochester, N.Y.
- 4-6 Inhaled Radioactive Particles and Gases (Richland, Wash.) spons'd by Atomic Energy Commission, General Electric Co.: W. J. Blair, Biology Lab, General Electric Co., Richland. (See Jan. PT, p. 133)





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### Heraeus

- 19-21 Microwave Theory and Techniques (Kennedy Internat'l Airport, New York, N.Y.) spon's'd by Inst. of Electrical and Electronics Engrs.: *L. Swern, Sperry Gyroscope Co., 3 T 105, Great Neck, N.Y.*
- 25 The Organic Solid State (Franklin Inst. Labs): *M. M. Labes, Franklin Inst. Labs, 20th and the Parkway, Philadelphia, Pa.* (See Mar. PT, p. 92)
- 25-27 Power Reactors and Radioisotopes (Toronto) spon's'd by Canadian Nuclear Assoc.: *General Manager, CNA, 19 Richmond St. W., Toronto 1, Ont., Canada*
- 25-29 Society of Physical Chemistry (Bordeaux): *G. Emschwiller, Société de Chimie Physique, 10 rue Vauquelin, Paris 5, France*
- 26-28 Radar (Ft. Monmouth, N.J.) spon's'd by Project Michigan, US armed forces, U. of Mich., *Secret clearance required: Coordinator, Tenth Annual Radar Symp., Inst. of Science and Technology, U. of Mich., PO Box 618, Ann Arbor, Mich.* (See Jan. PT, p. 133)
- Fluid Amplification (Washington, D.C.) spon's'd by US Army Harry Diamond Labs: *J. M. Kirshner, Fluid Systems Research Branch, Harry Diamond Labs, Washington 25, D.C.*
- 27-29 Canadian High-Polymer Forum (Ste. Marguerite, Que.) spon's'd by Nat'l Research Council of Canada, Chemical Inst. of Canada: *H. Daoust, U. de Montréal, PO Box 6128, Montréal, Que., Canada* (See Sept. '63 PT, p. 110)

### June 1964

- 2-5 Mid-America Spectroscopy Symposium (Chicago): *E. N. Davis, Sinclair Research Inc., 400 E. Sibley Blvd., Harvey, Ill.* (See Dec. '63 PT, p. 108)
- 5-6 • Midwest Conference on Theoretical Physics (Iowa State U.) spon's'd by Ames Lab, Nat'l Science Foundation: *J. M. Keller, Physics Dept., Iowa State U., Ames, Iowa*
- 7-12 Mass Spectrometry and Allied Topics (McGill U., Montreal): *N. D. Coggeshall, Gulf Research and Development Co., PO Drawer 2038, Pittsburgh 30, Pa.* (See Dec. '63 PT, p. 108)
- 8-10 Quasi-Optics (Statler-Hilton Hotel, New York City) spon's'd by Microwave Research Inst. of Polytechnic Inst. of Brooklyn, Inst. of Electrical and Electronics Engrs., US Defense Agencies: *J. Fox, PIB, 55 Johnson St., Brooklyn 1, N.Y.* (See Oct. '63 PT, p. 108)
- 8-12 Surface Contamination (Gatlinburg, Tenn.) spon's'd by Oak Ridge Nat'l Lab: *B. R. Fish, Health Physics Div., Oak Ridge Nat'l Lab, PO Box X, Oak Ridge, Tenn.*
- 10-12 • Heat Transfer and Fluid Mechanics (Berkeley) spon's'd by Calif. Inst. of Technology, Stanford U., U. of Calif., technical socs.: *W. H. Giedt, Div. of Aeronautical Sciences, U. of Calif., Berkeley 4, Calif.*
- 14-18 American Nuclear Society (Philadelphia): *O. J. Du Temple, ANS, 244 E. Ogden Ave., Hinsdale, Ill.*



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# CAREER

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Health Physics Society (Cincinnati):  
*H. F. Kolde, Taft Sanitary Engrg.  
Center, Cincinnati 26, Ohio* (See  
Jan. PT, p. 133)

15-17 Lattice Defects in Quenched Metals  
(Argonne Nat'l Lab): *Internat'l  
Conf. on Lattice Defects in  
Quenched Metals, Bldg. 212, ANL,  
Argonne, Ill.* (See Feb. PT, p. 92)

15-18 • High Strength Materials (Berkeley)  
spons'd by Lawrence Radiation Lab  
Inorganic Materials Research Div.:  
*T. H. Chenoweth, Hearst Mining  
Bldg., Rm. 276, Lawrence Radiation  
Lab, U. of Calif., Berkeley 4, Calif.*

15-19 Molecular Structure and Spectro-  
scopy (Columbus, Ohio) spons'd  
by Ohio State U.: *H. H. Nielsen,  
Molecular Spectroscopy Symp.,  
Dept. of Physics, Ohio State U.,  
174 W. 18th Ave., Columbus, Ohio*  
(See Mar. PT, p. 94)

Statistical Mechanics and Ther-  
modynamics (Aachen) spons'd by  
Internat'l Union of Pure and Ap-  
plied Physics, German Physical Soc.,  
Aachen Technische Hochschule;  
abstracts deadline Mar. 15: *J.  
Meixner, Technische Hochschule,  
51 Aachen, Germany* (See Dec. '63  
PT, p. 108)

16-17 • Structure and Properties of Dielec-  
tric Materials (MIT) spons'd by  
MIT Dept. of Electrical Engineer-  
ing; abstracts deadline May 1: *D.  
J. Epstein, Room 10-139, Dept. of  
Electrical Engineering, MIT, Cam-  
bridge 39, Mass.*

18-20 **American Association of Physics  
Teachers** (U. of Wisc., Madison):  
*H. R. Crane, U. of Mich., Ann  
Arbor, Mich.*

19-27 Vacuum Physics and Technique  
(Frankfurt/Main) spons'd by In-  
ternat'l Organization for Vacuum  
Physics and Technique, German  
Vacuum Working Circle: *H. Ebert,  
Union of German Physical Soci-  
eties, Bundesallee 100, Braunsch-  
weig, Germany*

21-26 Physics and Chemistry of Solid  
Surfaces (Brown U.): *H. E. Farn-  
sworth, Brown U., Providence, R.I.*

American Society for Testing and  
Materials (Chicago): *ASTM, 1916  
Race St., Philadelphia 3, Pa.* (See  
Aug. '63 PT, p. 80)

22-24 Photosensitization in Solids (Chi-  
cago) spons'd by Illinois Inst. of  
Technology: *L. Grossweiner, Dept.  
of Physics, IIT, Chicago 16, Ill.*  
(See Sept. '63 PT, p. 112)

22-27 Biophysics (Paris) spons'd by In-  
ternat'l Organization for Pure and  
Applied Biophysics: *J. Tonnelat,  
Laboratory of Physical-Chemical  
Biology, Orsay, Seine-et-Oise,  
France* (See Dec. '63 PT, p. 104)

23-25 Precision Electromagnetic Measure-  
ments (Boulder, Colo.) spons'd by  
Nat'l Bureau of Standards, Inst.  
of Electrical and Electronics Engrs.,  
Internat'l Scientific Radio Union  
US Commission 1: *Office of Tech-  
nical Information, NBS, Washington  
25, D.C.* (See Nov. '63 PT, p. 111)

23-26 • Physics of Reactors (Thurso, Scot-  
land) spons'd by Inst. of Physics  
and Physical Soc.: *Administration  
Assistant, IPPS, 47 Belgrave Sq.,  
London, S. W. 1, England*



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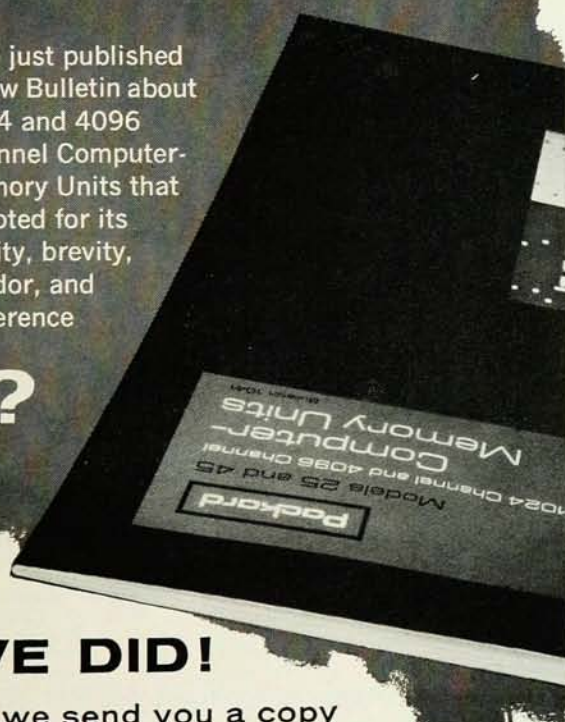
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### MATH & PHYSICS

Physicists (Ph.D., M.S.) for current investigations of phonon-

phonon interactions (experimental and theoretical experience related to ultrasonic and/or hypersonic wave propagation in solids). See JASA, Vol. 35, pp. 5-10, Jan., 1963; Applied Physics Letters, Vol. 2, p. 147, April 1963...

**Solid State Physicists** (Ph.D.) to investigate surface effects in dislocation motion, utilizing transmission electron microscopy and x-ray analysis (experience in dislocation interactions and their relationship to plastic deformation). Also, programs concerning mechanisms of dislocation generation and elastic and plastic deformation (experience in solid state, band and defect theory, crystal elasticity calculation, and electron-lattice interactions).

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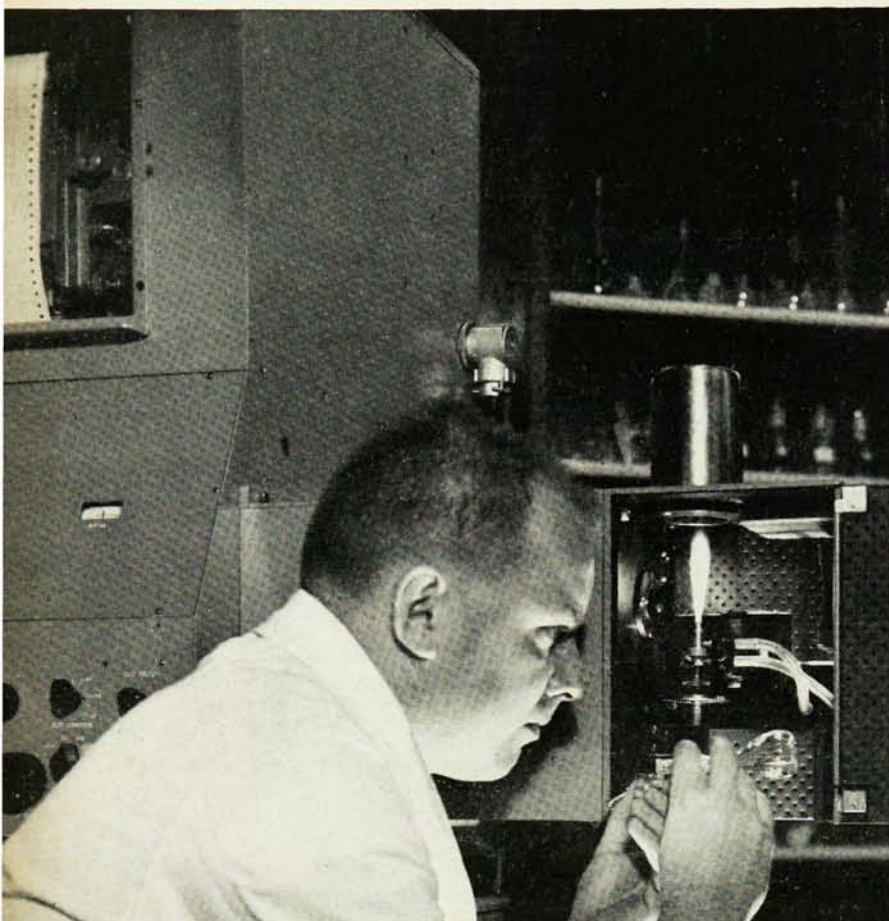
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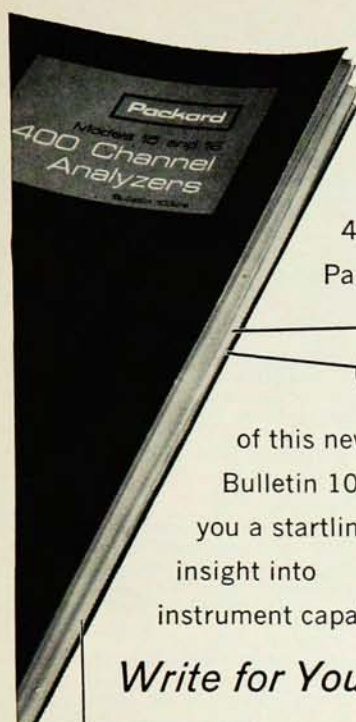
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- 25-26 Fundamental Phenomena in Hypersonic Flow (Buffalo, N.Y.) spons'd by Cornell Aeronautical Lab: J. T. McCarthy, Public Relations, Cornell Aeronautical Lab, PO Box 235, Buffalo, N.Y. (See Nov. '63 PT, p. 112)
- 25-27 American Physical Society (Denver): K. K. Darrow, 538 W. 120 St., New York 27, N.Y.
- 29-30 Vacuum Metallurgy (New York City): M. A. Cocca, General Electric Co. Research Lab, PO Box 1088, Schenectady, N.Y.
- 29-2 American Institute of Aeronautics and Astronautics (Washington, D.C.): AIAA, 2 E. 64th St., New York 21, N.Y.
- 29-4 ♦ Vacuum Techniques in Space Research (Paris): J. Mainier, 147 Blvd. de Strasbourg, Nogent-sur-Marne, Seine, France

### July 1964

- 2-8 Nuclear Physics (Paris) spons'd by UNESCO, Internat'l Union of Pure and Applied Physics, on 30th anniversary of discovery of artificial radioactivity: Congrès Internat'l de Physique Nucléaire, PO Box 14, Orsay, Seine-et-Oise, France
- 6-10 Physics of Noncrystalline Solids (Delft) spons'd by Internat'l Union of Pure and Applied Physics, Dutch Physicists Assoc., Dutch industries: J. A. Prins, Lab Technische Natuurkunde T. H., Delft, Holland (See Dec. '63 PT, p. 110)
- Magnetohydrodynamic Electrical Power Production (Paris) spons'd by European Nuclear Energy Agency, French National Inst. of Nuclear Science and Technology: ENEA, 38, Blvd. Suchet, Paris 16, France (See Sept. '63 PT, p. 112)
- 6-11 Concentrated Vortex Motions in Fluids (U. of Mich., Ann Arbor) spons'd by Air Force Office of Scientific Research, Office of Naval Research, Nat'l Science Foundation, Internat'l Union of Theoretical and Applied Mechanics: AFOSR, Attn: Maj. W. B. Terrell, SREM, Washington, D.C.
- 7-10 ♦ Rarefied Gas Dynamics (U. of Toronto, Canada) spons'd by Air Force Office of Scientific Research, Office of Naval Research, Nat'l Aeronautics and Space Administration, U. of Toronto: AFOSR, Attn: Maj. W. B. Terrell, SREM, Washington, D. C.
- 16-17 Plasma Effects in Solids (Paris), held in connection with Semiconductor Physics Conf., Paris, July 19-24: J. Bok, Laboratoires de Physique, Ecole Normale Supérieure, 24, rue Lhomond, Paris 5, France (See Jan. PT, p. 133)
- 16-18 Radiation Damage in Semiconductors (Paris), held in connection with Semiconductor Physics Conf., Paris, P. Baruch, Laboratoires de Physique, Ecole Normale Supérieure, 24, rue Lhomond, Paris 5, France (See Jan. PT, p. 133)
- 19-24 Physics of Semiconductors (Paris) spons'd by Internat'l Union of Pure and Applied Physics, French Society of Physics: M. Balkanski, Laboratoires de Physique, Ecole Normale Supérieure, 24, rue Lhomond, Paris 5, France (See Sept. '63 PT, p. 112)





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— Gary Ward — University of Redlands — Redlands, California —

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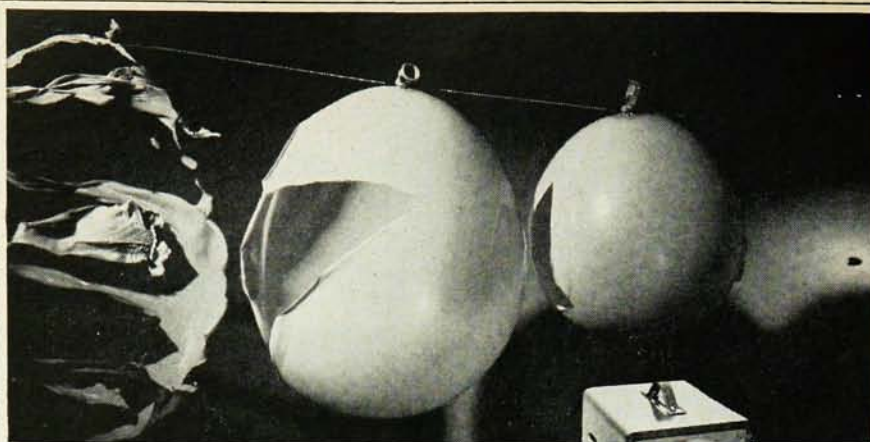
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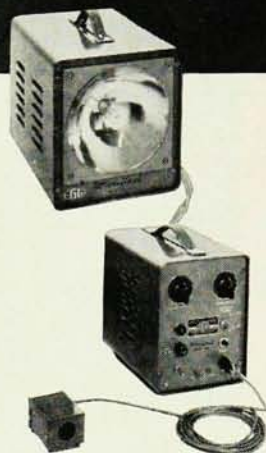


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- 26-31 American Crystallographic Association (Montana State College): *B. Post, Brooklyn Polytechnic Inst., Brooklyn 1, N.Y.*
- 27-28 Radiative Recombination in Semiconductors (Paris), held in connection with Semiconductor Physics Conf., Paris, July 19-24: *C. B. à la Guillaume, Laboratoires de Physique, Ecole Normale Supérieure, 24, rue Lhomond, Paris 5, France* (See Jan. PT, p. 133)

### August 1964

- 3-8 Latin-American Council for Cosmic Radiation and Space Physics (Buenos Aires, Argentina), with regional symp. on IQSY: *J. G. Roederer, Facultad de Ciencias Exactas y Naturales, Perú 272, Buenos Aires, Argentina* (See Mar. PT, p. 92)
- 4-10 Reactivity of Solids (Munich) spons'd by Internat'l Union of Pure and Applied Physics, Internat'l Union of Pure and Applied Chemistry: *R. Morf, F. Hoffman-La Roche et Cie., Basel 2, Switzerland*
- 10-15 • Atmospheric Radiation (Leningrad, USSR) spons'd by Internat'l Radiation Commission of Internat'l Association of Meteorology and Atmospheric Physics: *J. London, U. of Colo., Boulder, Colo.*
- 12-14 • Application of X-Ray Analysis (Denver) spons'd by Denver Research Inst. Metallurgy Div.: *W. M. Mueller, DRI, U. of Denver, Denver, Colo.*
- 12-14 Ballistic Missile and Space Technology (US Naval Training Center, San Diego, Calif.) spons'd by Air Force Space Systems Div., Ballistic Systems Div.: *Aerospace Corp., Attn: 1964 Symposium Chairman, PO Box 95085, Los Angeles, Calif.*
- 17-20 Natural Ultralow Frequency Electromagnetic Fields (Boulder, Colo.) spons'd by Nat'l Bureau of Standards' Central Radio Propagation Lab, Nat'l Center for Atmospheric Research: *W. H. Campbell, NBS, Boulder, Colo.*
- 17-21 Combustion (Cambridge U.) spons'd by Combustion Inst., Cambridge Physical Chemistry Dept.: *Combustion Inst., 986 Union Trust Bldg., Pittsburgh 19, Pa.* (See Aug. '63 PT, p. 80)
  - The Role of Simulation in Space Technology (Virginia Polytechnic Inst.) spons'd by Nat'l Science Foundation, Nat'l Aeronautics and Space Administration: *F. J. Maher, Director Space Conf., VPI, Blacksburg, Va.*
- 20-30 High-Energy Nuclear Physics (Dubna) spons'd by Internat'l Union of Pure and Applied Physics: *D. I. Blokhintsev, Joint Inst. for Nuclear Research, Dubna, USSR*
- 24-25 • Interference and Coherence (Sydney) spons'd by Internat'l Commission for Optics, Australian Academy of Science: *W. H. Steel, CSIRO Div. of Physics, City Rd., Chippendale, New S. Wales, Australia*



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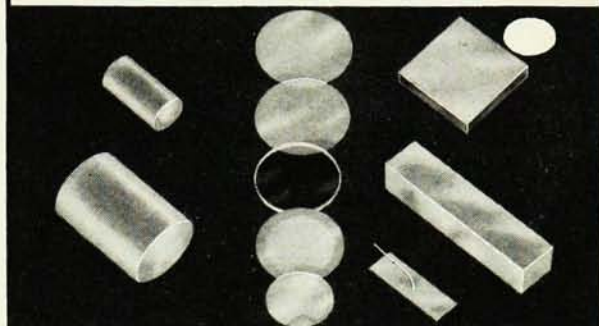
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- 24-26 • Astrodynamics, Guidance, and Control (Los Angeles) spons'd by American Inst. of Aeronautics and Astronautics: *AIAA, 500 Fifth Ave., New York 36, N. Y.*

Mathematical Association of America (U. of Mass., Amherst): *MAA, U. of Buffalo, Buffalo 14, N.Y.*

- 24-28 • International Council of the Aeronautical Sciences (Paris): *J. A. Stemmer, Internat'l Council of Aeronautical Sciences, PO Box 37, Baden, Switzerland*

- 25-27 Association for Computing Machinery (Philadelphia): *H. S. Bright, ACM 1964 Meeting, Philco Computers, Willow Grove, Pa. (See Feb. PT, p. 92)*

- 26-29 • Spread F and its Effects on Radio-wave Propagation and Communication (Copenhagen), by invitation, spons'd by Advisory Group for Aeronautical Research and Development (NATO): *AGARD, 64, rue de Varenne, Paris 7, France*

- 26-2 Logic, Methodology, and Philosophy of Science (Jerusalem) spons'd by Internat'l Union for History and Philosophy of Science: *Y. Bar-Hillel, Hebrew U., Jerusalem, Israel*

- 26-3 Electron Microscopy (Prague) spons'd by Internat'l Federation of Societies for Electron Microscopy: *Organizing Committee, Albertov 4, Prague 2, Czechoslovakia (See Oct. '63 PT, p. 110)*

- 30-4 American Mathematical Society (U. of Mass., Amherst): *AMS, 190 Hope St., Providence, R.I.*

- 30-5 Applied Mechanics (Munich): *Organizations Secretariat, Mechanics Congress, Inst. for Mechanics, Arcisstr. 21, Munich, Germany (See June '63 PT, p. 112)*

- 31-4 Low Temperature Physics (Ohio State U., Columbus) spons'd by Internat'l Union of Pure and Applied Physics: *J. G. Daunt, Physics Dept., Ohio State U., Columbus 10, Ohio*

- 31-9 • The Peaceful Uses of Atomic Energy (Geneva): *Scientific Secretariat, Internat'l Atomic Energy Agency, Kärltner Ring 11, Vienna 1, Austria*

### September 1964

- 1-4 Aerospace Power Systems (Philadelphia) spons'd by American Inst. of Aeronautics and Astronautics: *AIAA, 500 Fifth Ave., New York 36, N.Y.*

- 1-5 Nuclear Magnetic Resonance and Relaxation in Solids (Louvain, Belgium) spons'd by Internat'l Union of Pure and Applied Physics, Groupement Ampère, Royal Flemish Academy of Sciences: *L. Van Gerven, Secretary General, 13th Colloque Ampère, Naamsestraat, 61, Louvain, Belgium (See Feb. PT, p. 95)*

- 1-8 Photographic and Spectroscopic Optics (Tokyo and Kyoto) spons'd by Internat'l Commission for Optics, Science Council of Japan, Japanese Soc. of Applied Physics: *H. Kubota, Science Council of Japan, Ueno Park, Tokyo, Japan (See July '63 PT, p. 78)*

- 7-11 Magnetism (U. of Nottingham) spons'd by Internat'l Union of Pure and Applied Physics, British Nat'l Committee for Physics: *Deputy Secretary, IPPS, 47 Belgrave Sq., London, S.W.1, England (See Nov. '63 PT, p. 112)*

Microwaves, Circuit Theory, and Information Theory (Akasaka Prince Hotel, Tokyo) spons'd by Inst. of Electrical Communication Engrs. of Japan, Science Council of Japan, Internat'l Scientific Radio Union: *T. Utsunomiya, Inst. of Electrical Communication Engrs. of Japan, 2-8 Fujimicho, Chiyoda-ku, Tokyo, Japan (See Dec. '63 PT, p. 110)*

- 7-12 Microwave Tubes (Paris) spons'd by French Vacuum and Electronics Soc.: *Secretariat, 5th Internat'l Congress on Microwave Tubes, PO Box 20, Bagneux, Seine, France*

XVth International Astronautical Congress (Warsaw); abstracts deadline Apr. 15: *ASTRONAUT, P.K.i.N., p. 23-18, Warsaw, Poland*

- 8-10 Gas Chromatography (Brighton) spons'd by Gas Chromatography Discussion Group: *Symp. Organizing Office, 61 New Cavendish St., London, W.1, England*

- 9-11 Low and Medium Energy Nuclear Physics (U. of Sussex) spons'd by Inst. of Physics and Physical Soc.: send abstracts by June 1 to W. D. Hamilton, The School of Physical Sciences, U. of Sussex, Brighton, Sussex: *Administration Assistant, IPPS, 47 Belgrave Sq., London, S.W.1, England (See Feb. PT, p. 95)*

- 9-12 Sunspots (Florence), in connection with 4th centenary of the birth of Galileo: *G. Righini, Osservatorio Astrofisico di Arcetri, Florence, Italy*

- 9-14 General Relativity: Problems of Energy and Gravitational Waves (Florence), in connection with 4th centenary of the birth of Galileo: *G. Sestini, Istituto Matematico U. Dini, Viale Morgagni, 67/A, Florence, Italy*

- 14-15 • Electron Probe Microanalysis (Delft, Holland) spons'd by Inst. of Physics and Physical Soc.: *Administration Assistant, IPPS, 47 Belgrave Sq., London, S. W. 1, England*

- 14-16 Cosmology (Padua), in connection with 4th centenary of the birth of Galileo: *L. Rosino, Osservatorio Astronomico, Padua, Italy*

Solar Magnetic Fields and High Resolution Spectroscopy (Rome), in connection with the 4th centenary of the birth of Galileo: *M. Cimino, Osservatorio Astronomico, di Monte Mario, Rome, Italy*

- 14-18 Radio Meteorology (Boulder, Colo.) spons'd by American Meteorological Soc., Nat'l Bureau of Standards, Inter-Union Committee on Radio Meteorology: *J. W. Herbstreit, Central Radio Propagation Lab, NBS, Boulder, Colo. (See Mar. PT, p. 96)*

Mass Spectrometry (Paris) spons'd by American Soc. for Testing and Materials, Groupement pour l'Avancement des Méthodes Spectrographiques, Hydrocarbon Research Group: *Secretariat, GAMS, 1, rue Gaston Boissier, Paris 15, France*





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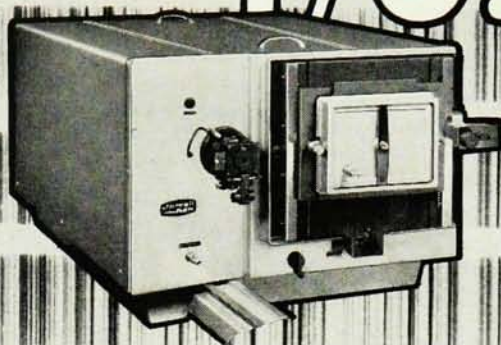
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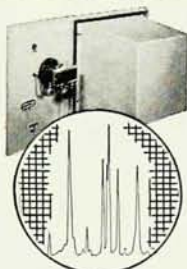




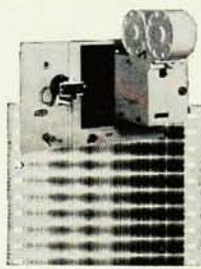
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Analogue Computation (Brighton) spons'd by British Computer Soc.: S. C. Redshaw, U. of Birmingham, Edgbaston, Birmingham 15, England

15-17 Luminescence (The University, Hull) spons'd by Inst. of Physics and Physical Soc.; send abstracts by June 1 to G. F. J. Garlick, Physics Dept., The University, Hull, Yorkshire; Administration Assistant, IPPS, 47 Belgrave Sq., London S.W.1, England (See Jan. PT, p. 135)

17-21 Natural Philosophy Today (Pisa), in connection with 4th centenary of the birth of Galileo: N. B. Cacciapuoti, Istituto di Fisica dell'Università, Piazza Torricelli 2, Pisa, Italy

22-24 Antennas and Propagation (Long Island, N.Y.) spons'd by Inst. of Electrical and Electronics Engrs.: H. Jasik, 100 Shames Dr., Westbury, N.Y. (See Jan. PT, p. 137)

Many-Body Problems (U. of Manchester) spons'd by Inst. of Physics and Physical Soc.; send abstracts to A. Herzenberg, Theoretical Physics Dept., U. of Manchester, Manchester 13, by June 24; Administration Assistant, IPPS, 47 Belgrave Sq., London, S.W.1, England (See Mar. PT, p. 92)

23-25 Fundamental Problems of Low-Pressure Measurements (Nat'l Physical Lab, Teddington) spons'd by Nat'l Physical Lab, Inst. of Physics and Physical Soc.: R. S. Dadson, Standards Div., Nat'l Physical Lab, Teddington, Middlesex, England (See Oct. '63 PT, p. 110)

25-26 Communications (Montreal) spons'd by Canadian Inst. of Electrical and Electronics Engrs.; abstracts deadline Apr. 15: F. G. R. Warren, Canadian IEEE Symposium on Communications, PO Box 802, Station B, Montreal, Quebec, Canada

29 • Nucleation, Growth, and Structure of Thin Films (Chicago) spons'd by American Vacuum Society Thin Film Div.: M. H. Francombe, Philco Scientific Laboratory, Blue Bell, Pa.

29-1 Physics and Nondestructive Testing (Biltmore Hotel, Dayton, Ohio) spons'd by US Air Force: W. J. McGonagle, Southwest Research Inst., PO Box 2296, San Antonio, Tex.

Physics of Failure in Electronics (Chicago) spons'd by Rome Air Development Center, IIT Research Inst.; abstracts deadline May 15: M. Goldberg, IIT Research Inst., 10 W. 35th St., Chicago, Ill.

30-2 • American Vacuum Society (Chicago); abstracts deadline July 1: G. H. Bancroft, Bendix-Balzers Vacuum, Inc. 1645 St. Paul St., Rochester 21, N. Y.

### October 1964

1-2 • Emission of Electrons from Solids (Keele) spons'd by Inst. of Physics and Physical Soc.; Administration Assistant, IPPS, 47 Belgrave Sq., London, S. W. 1, England

5-10 • German Physical Society (Düsseldorf): K. Hecht, 5 Köln-Bayenthal, Schillerstr. 107, Germany