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Will perform studies in the fields of oceanography and underwater acoustics with emphasis on the environmental parameters, which affect ASW equipment performance.

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Respondent should be familiar with radar and infrared detection systems and be able to analyze their theoretical capabilities and limitations. Experience in the analysis of missile systems is highly desirable.

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All qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

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.

February

- 14-16 Biophysical Society (Sheraton-Park Hotel, Washington, D. C.): *D. Cowie, Carnegie Inst. of Washington, 5241 Broad Branch Rd., N.W., Washington 15, D. C.* (See Jan. PT, p. 100)
- 23-24 American Physical Society (U. of Texas, Austin): *K. K. Darrow, 538 W. 120 St., New York 27, N. Y.*
- 26-2 Current Trends in Nuclear Power (Tucson) spon's'd by U. of Arizona, Argonne Nat'l Lab: *L. Weaver, U. of Ariz., Tucson, Ariz.* (See Jan. PT, p. 102)

March

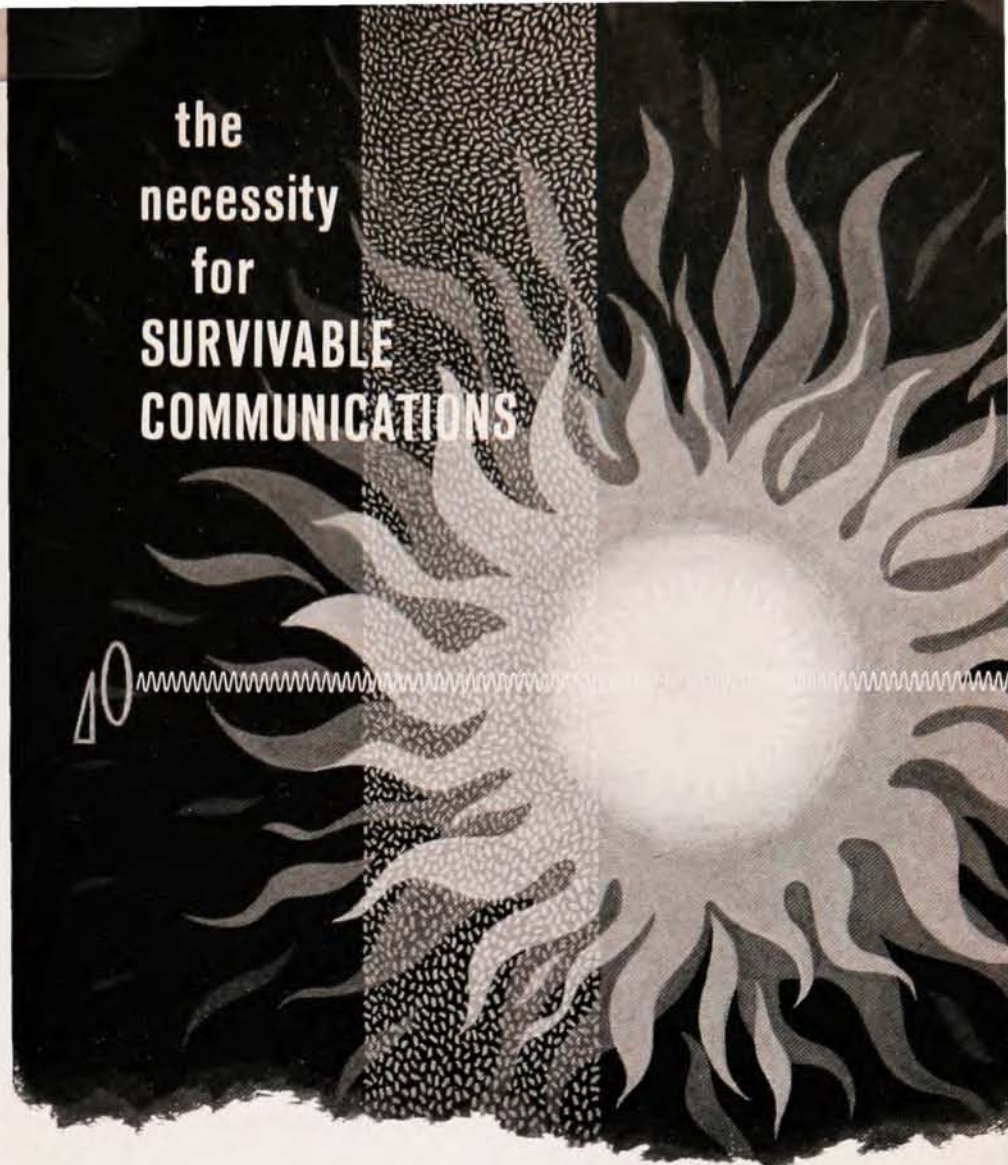
- 1-3 Scintillation & Semiconductor Counters (Shoreham Hotel, Washington, D. C.) spon's'd by Inst. of Radio Engrs., Inst. of Electrical Engrs., Atomic Energy Commission, Nat'l Bureau of Standards: *G. A. Morton, RCA Labs, Princeton, N. J.* (See Oct. '61 PT, p. 86)
- 5-9 Analytical Chemistry & Applied Spectroscopy (Pittsburgh, Pa.) spon's'd by Am. Chemical Soc., Spectroscopy Soc. of Pittsburgh: *C. F. Glick, Applied Research Lab, US Steel Corp., Monroeville, Pa.* (See Sept. '61 PT, p. 88)
- 8-10 Information Storage & Neural Control (Houston), spon's'd by Houston Neurological Soc., Baylor U. Col. of Medicine: *W. S. Fields, Houston Neurological Soc., 1200 M.D. Anderson Blvd., Houston 25, Tex.*
- 14-17 Optical Society of America (Washington, D. C.): *Mary E. Wargo, 1155 16th St., N.W., Washington 6, D. C.*
- 19-23 Equatorial Geophysics (Lima, Peru) spon's'd by Internat'l Union of Geophysics & Geodesy, Internat'l Scientific Radio Union, Internat'l Geophysics Committee: *J. A. Broggi, Instituto Geofisico de Huancayo, Apdo. 46, Huancayo, Peru*
- 24 AAPT New England Section (Greenfield, Mass.): *J. B. Guernsey, Wellsley Col., Wellsley 81, Mass.*
- 26-27 High-Energy Nuclear Physics (Imperial College, London) spon's'd by Inst. of Physics & Physical Soc.: *Inst. of Physics & Physical Soc., 47 Belgrave Sq., London, S.W. 1, England* (See Nov. '61 PT, p. 95)
- 26-29 American Physical Society (Baltimore, Md.): *K. K. Darrow, 538 W. 120 St., New York 27, N. Y.* (See Jan. PT, p. 102)
- 26-29 APS Division of Solid-State Physics (Lord Baltimore Hotel, Baltimore, Md.): *J. S. Smart, IBM Research Center, Yorktown Hts., N. Y.* (See Jan. PT, p. 102)
- 26-29 APS Division of Chemical Physics (Baltimore, Md.): *J. C. Decius, Oregon State U., Corvallis, Ore.* (See Jan. PT, p. 102)
- 27-29 APS Division of High-Polymer Physics (Baltimore, Md.): *H. D. Keith, Bell Tel. Labs, Murray Hill, N. J.* (See Jan. PT, p. 102)

- 27-30 Aetiology of the Late Somatic Effects of Ionizing Radiation (London) spon's'd by Internat'l Atomic Energy Agency, UNESCO: *P. Alexander, Royal Cancer Hosp., Fulham Rd., London, S.W. 3, England*

April

- 1-4 American Astronomical Society (Harvard College Observatory & Smithsonian Astrophysical Observatory, Cambridge, Mass.): *H. Smith, Yale U. Observatory, New Haven, Conn.*
- 3-5 Plasma Sheath (Boston, Mass.) spon's'd by Air Force Cambridge Research Labs: *Alice Cahill, AFRL, L. G. Hanscom Field, Bedford, Mass.* (See Oct. '61 PT, p. 86)
- 4-7 Physics of Graphite-Moderated Reactors (Bournemouth, England) spon's'd by Inst. of Physics & Physical Soc., British Nuclear Energy Soc.: *Inst. of Physics & Physical Soc., 47 Belgrave Sq., London, S.W. 1, England* (See Sept. '61 PT, p. 90)
- 5-7 APS Southeastern Section (Florida State U.): *H. Carr, Auburn U., Auburn, Ala.*
- 7 AAPT Northern Calif. Section (Chico State College, Chico, Calif.): *J. H. Ross, San Mateo College, San Mateo, Calif.*
- 7 APS New England Section (Providence College, Providence, R. I.): *E. Fowler, Yale U., New Haven, Conn.*
- 10-11 Diffusion & Mass Transport in Solids (U. of Reading, England) spon's'd by Inst. of Physics & Physical Soc.: *B. L. Evans, J. J. Thomson Physical Lab, Whiteknights Pk., Reading, Berks, England*
- 10-14 Stress Analysis (Paris): *Secretariat, 10 rue Vauquelin, Paris 5, France*
- 13-14 Plasma Physics (Hilton Inn, Tarrytown, N. Y.) spon's'd by APS N. Y. State Section: *B. Foulds, General Precision Equipment Corp., 50 Prospect Ave., Tarrytown, N. Y.*
- 16-18 Kinetics, Equilibria, and Performance of High-Temperature Systems (U. of Calif., Los Angeles) spon's'd by Western States Section of Combustion Inst.: *G. S. Bahn, 16902 Bollinger Dr., Pacific Palisades, Calif.* (See Nov. '61 PT, p. 95)
- 16-19 Vacuum Ultraviolet Radiation Physics (U. of So. Calif.) spon's'd by Nat'l Science Foundation: *G. L. Weissler, USC, Los Angeles 7, Calif.* (See Sept. '61 PT, p. 90)
- 17-20 Sector-Focused Cyclotrons (U. of Calif., Los Angeles) spon's'd by Internat'l Union of Pure & Applied Physics, U. of Calif.: *B. T. Wright, UCLA, Los Angeles 24, Calif.*
- 22-27 Second-Order Effects in Elasticity, Plasticity, & Hydrodynamics (Haifa) spon's'd by Internat'l Union of Theoretical & Applied Mechanics: *M. Reiner, Comité Scientifique, Technion, P.O.B. 4910, Haifa, Israel*

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3-26 **American Physical Society** (Washington, D. C.): K. K. Durrow, 538 W. 120 St., New York 27, N. Y.

5-28 **American Meteorological Society & American Geophysical Union** (Washington, D. C.): W. E. Hiatt, US Weather Bureau, Washington 25, D. C. (See Jan. PT, p. 104)

10-2 **Neutron Thermalization** (Brookhaven Nat'l Lab): N. Corngold, BNL, Upton, L. I., N. Y.

10-3 **Mid-America Spectroscopy Symp.** (Chicago) spons'd by Chicago Section of Soc. for Applied Spectroscopy: J. R. Ferraro, Argonne Nat'l Lab, 9700 S. Cass Ave., Argonne, Ill. (See Oct. '61 PT, p. 86)

May

3-4 **Theoretical & Applied Mechanics** (Gatlinburg, Tenn.) spons'd by Oak Ridge Nat'l Lab: R. L. Maxwell, U. of Tenn., Knoxville, Tenn.

6-10 **Optical Masers** (Statler-Hilton Hotel, Los Angeles, Calif.) spons'd by Electrochemical Soc.: J. L. Birman, Gen. Tel. & Electronics Labs, Inc., 208-20 Willets Pt. Blvd., Bayside 60, N. Y.

14-16 **Thermionic Power Conversion** (Colorado Springs) spons'd by Dept. of Defense, **APS Division of Electron Physics**, & engineering socs.: P. H. Egli, Naval Research Lab, code 6430, Washington 25, D. C. (See Jan. PT, p. 102)

21-25 **Max Planck Institute for Advancement of Science**, general assembly (Düsseldorf): Max Planck Inst., Kaiserswertherstr., 164, Düsseldorf, Germany

21-25 **Thermodynamics of Nuclear Materials** (Vienna) spons'd by Internat'l Atomic Energy Agency: IAEA, 11 Kärntnering, Vienna 1, Austria

23-26 **Acoustical Society of America** (New York City): W. P. Mason, Bell Telephone Labs, Murray Hill, N. J.

31-3 **German Bunsen Society for Physical Chemistry** (Münster): C. B. Haus, Varrentrappstr. 40-42, Frankfurt/Main, Germany

June

4-8 **Society of Physical Chemistry** (Paris): G. Emschweiler, Soc. de Chimie Physique, 10 rue Vauquelin, Paris 5, France

4-10 **Corrosion of Reactor Materials** (Vienna) spons'd by Internat'l Atomic Energy Agency: IAEA, 11 Kärntnering, Vienna 1, Austria

7-10 **Canadian Association of Physicists** (McMaster U., Hamilton, Ont.): G. D. Scott, U. of Toronto, Toronto 5, Ont., Canada

11-14 **Health Physics Society** (Sherman Hotel, Chicago): C. C. Palmer, Federal Radiation Council, Rm. 597, Exec. Office Bldg., Washington 25, D. C. (See Dec. '61 PT, p. 88)

12-14 **Chemical Physics in Onsager Reciprocal Relations** (Brown U.) spons'd by Brown U., Nat'l Science Foundation, Air Force Office of Scientific Research: J. Ross, Brown U., Providence, R. I.

13-15 **Heat Transfer & Fluid Mechanics Institute** (U. of Washington): R. E. Street, U. of Washington, Seattle 5, Wash. (See Oct. '61, PT, p. 86)

17-21 **American Nuclear Society** (Boston): O. J. Du Temple, ANS, 86 E. Randolph St., Chicago, Ill.

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- 18-21 Applied Mechanics (Berkeley) spon-
s'd by **Am. Physical Soc.**, US
Nat'l Committee on Theoretical &
Applied Mechanics, & engineering
socs.: *W. Goldsmith, U. of Calif.,
Berkeley 4, Calif.*
- 19-21 **American Physical Society**
(Evanston, Ill.); abstracts deadline
Apr. 13: *K. K. Darrow, 538 West
120 St., New York 27, N. Y.*
- 25-29 Theoretical Interpretation of Upper
Atmosphere Emissions (Paris), by
invitation, spon's'd by Internat'l As-
tronomical Union, Internat'l Union
of Geodesy & Geophysics: *J. W.
Chamberlain, Yerkes Observatory,
Williams Bay, Wisc.*
- 25-30 Electromagnetic Theory & Antennas
(Copenhagen) spon's'd by Internat'l
Scientific Radio Union, Technical U.
of Denmark, Danish Acad. of Tech-
nical Science: *H. L. Knudsen, Øster
Voldgade 10 G, Copenhagen K, Den-
mark (See Nov. '61 PT, p. 96)*
- 25-31 Theories of Relativity and Gravita-
tion (Warsaw) spon's'd by Internat'l
Union of Pure & Applied Physics:
*L. Infeld, ul. Hoza 69, Warsaw,
Poland*
- 26-28 **American Association of Phys-
ics Teachers** (Carleton College,
Northfield, Minn.): *R. P. Winch,
Williams College, Williamstown,
Mass.*
- 26-28 Physics & Chemistry of High Pres-
sures (London) spon's'd by Soc. of
Chemical Industry, Inst. of Physics
& Physical Soc.: *J. S. Rowlinson,
Imperial College, London, S.W. 7,
England*
- 26-28 American Meteorological Society (U.
of Alaska, Fairbanks): *J. F. Gaillard,
CWO, USAF, 11th Weather Sq.,
APO 942, Seattle, Wash. (See Jan.
PT, p. 105)*
- 26-29 Rarefied Gas Dynamics (Paris): *L.
Talbot, U. of Calif., Berkeley, Calif.,
or Laboratoire d'Aerothermique, 4c
routes des Gardes, Meudon, France
(See Sept. '61 PT, p. 90)*
- July**
- 2-4 Interaction Phenomena in Plasmas
(Chalmers U. of Technology): *H.
Wilhelmsson, Chalmers U. of Tech-
nology, Gøteborg, Sweden*
- 2-6 Ionosphere (London) spon's'd by Inst.
of Physics & Physical Soc.; send ab-
stracts by Mar. 1 to J. A. Ratcliffe,
Radio Res. Station, Ditton Park,
Slough, Bucks, England: *Inst. of
Physics & Physical Soc., 47 Belgrave
Sq., London, S.W. 1, England (See
Jan. PT, p. 105)*
- 2-7 Magnetic & Electric Resonance &
Relaxation (Eindhoven) spon's'd by
Netherlands Physical Soc., Groupe-
ment Ampère: *D. J. Kroon, Philips
Res. Lab., Eindhoven, Netherlands
(See Nov. '61 PT, p. 98)*
- 4-11 High Energy Nuclear Physics (Ge-
neva), by invitation, spon's'd by In-
ternat'l Union of Pure & Applied
Physics: *Scientific Conf. Secretariat,
CERN, Geneva 23, Switzerland*
- 9-11 Astrophysics (Liège) spon's'd by U.
of Liège, Belgian Inst. of Astrophys-
ics: *P. Swings, Inst. of Astrophysics,
Cointe-Sceslin, Belgium*
- 16-20 Paramagnetic Resonance (Hebrew
U.) spon's'd by Internat'l Union of
Pure & Applied Physics: *W. Low,
Hebrew U., Jerusalem, Israel (See
Oct. '61 PT, p. 86)*
- 16-20 Physics of Semiconductors (U. of
Exeter) spon's'd by Inst. of Physics
& Physical Soc., Internat'l Union of
Pure & Applied Physics, British
Nat'l Committee for Physics: *Inst.
of Physics & Physical Soc., 47, Bel-
grave Sq., London, S.W. 1, England
(See Oct. '61 PT, p. 88)*
- 25-27 Fifty Years of X-Ray Diffraction
(Munich) spon's'd by Ludwig Maxi-
milians U. of Munich, Bavarian Acad-
emy of Sciences, Internat'l Union of
Crystallography: *F. Bopp, Inst. für
Theoretische Physik der U. Munich,
Schellingstr. 4-8, Munich 13, Ger-
many*
- 27-31 Recent Advances in the Experimental
and Theoretical Methods of Crystal
Structure Research (Munich) spon's'd
by Internat'l Union of Crystallog-
raphy, German Mineralogical Soc.
Crystallography Section: *F. Bopp,
Inst. für Theoretische Physik der U.
Munich, Schellingstr. 4-8, Munich
13, Germany*
- 30-18 Excitations in Semiconductors, Ex-
citons, & Polarons (U. of St. An-
drews) spon's'd by Scottish Univer-
sities: *C. G. Kuper, St. Salvador's
Col., U. of St. Andrews, Fife, Scot-
land*
- August**
- 6-11 Radiation Research (Harrogate)
spon's'd by Nat'l Acad. of Sciences—
Nat'l Research Council, Radiation
Research Soc.: *A. Howard, Mt. Ver-
non Hospital, Northwood, Middleses,
England (See Oct. '61 PT, p. 88)*
- 11-22 Aug. 11-13, Internat'l Mathematical
Union General Assembly; Aug. 15-
22, Internat'l Congress of Mathe-
maticians (Stockholm) *R. Thörn,
Kungl. Järnvägsstyrelsen, Stockholm
C, Sweden*
- 14-16 Precision Electromagnetic Measure-
ments (Boulder) spon's'd by Nat'l
Bureau of Standards, Inst. of Radio
Engineers, Am. Inst. of Electrical
Engineers; send abstracts by Mar. 15
to G. Birnbaum, Hughes Research
Lab., Malibu, Calif.: *J. Brockman,
NBS, Boulder, Colo. (See May '61
PT, p. 90)*
- 19-26 Internat'l Commission for Optics
(Munich): *H. Schöber, Inst. für
Med. Optik der U. München, Arnul-
str. 205, Munich 19, Germany*
- 20-23 Gyrodynamics (Celerina, Switzerland)
spon's'd by Internat'l Union of The-
oretical & Applied Mechanics: *H.
Ziegler, Ecole Polytechnique Fed-
erale, Zurich, Switzerland*
- 20-25 Information Theory & Optics (Mun-
ich, Germany) spon's'd by Internat'l
Commission for Optics: *W. D.
Wright, c/o Technical Optics Sect.,
Imperial College, London, S.W. 7,
England*
- 21-28 International Congress on Acous-
tics (Copenhagen): *F. H. B. Inger-
slav, Tekniske Højskole, Øster Vold-
gade 10, Copenhagen, Denmark (See
Dec. '60 PT, p. 80)*
- 26-2 History of Science (Cornell U.)
Ithaca & Am. Philosophical Soc.
(Philadelphia, Pa.): *C. Doris Hell-
man, Cornell U., Ithaca, N. Y.*
- 27-29 **American Physical Society**
(Seattle); send abstracts by June 22
to H. A. Shugart, U. of Calif., Berke-
ley 4, Calif.: *R. Geballe or B.
Jacobsohn, U. of Wash., Seattle,
Wash.*

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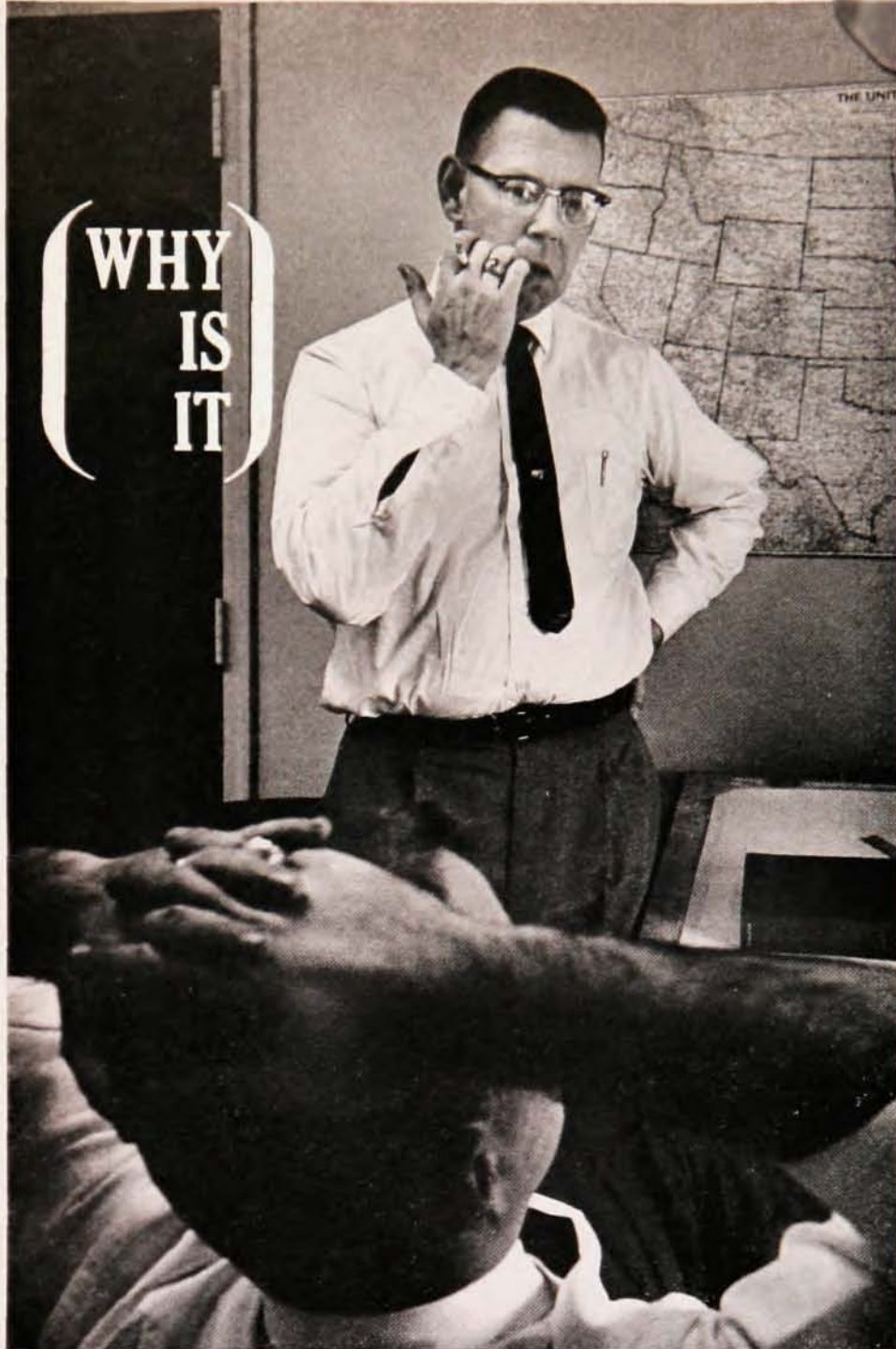
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- 27-30 **American Astronomical Society** (Yale U.): *H. Smith, Yale U. Observatory, New Haven, Conn.*
- 27-1 **Information Processing** (Munich) spons'd by Internat'l Federation of Information Processing Socs.: *C. W. Adams, 142 Great Road, Bedford, Mass.* (See Nov. '61 PT, p. 95)
- 29-30 **Thin Films** (Colo.) spons'd by U. of Denver Research Inst.; abstracts deadline Apr. 1: *R. B. Feagin, U. of Denver Research Inst., Denver 10, Colo.*
- 29-5 **Electron Microscopy** (Philadelphia): *T. F. Anderson, Inst. for Cancer Research, Philadelphia 11, Pa.*

September

- 3-7 **Movements in the Vicinity of the Speed of Sound** (Aachen): *K. Oswatitsch, c/o Inst. für Theoretische Gasdynamik, Theaterstrasse 13, Aachen, Germany*
- 3-7 **Microwave Tubes** (Delft) spons'd by Netherlands Radio Soc., Internat'l Scientific Radio Union: *Internat'l Cong. on Microwave Tubes, P.O.B. 62, Eindhoven, Netherlands*
- 5-7 **Canadian High-Polymer Forum** (Windsor, Ontario); send abstracts to D. A. I. Goring, McGill U., Montreal, Quebec: *L. Breitman, Polymer Corp. Ltd., Sarnia, Ontario, Canada*
- 7-12 **Crystal Lattice Defects** (Kyoto, Japan) spons'd by Physical Soc. of Japan: *R. R. Haseguti, U. of Tokyo, Bunkyo-ku, Tokyo, Japan* (See June '61 PT, p. 90)
- 10-14 **Applied Meteorology** (Hampton, Va.) spons'd by Hampton Roads Branch of Am. Meteorological Soc.; abstracts deadline May 1: *D. A. Lea, US Navy Weather Res. Facility, Naval Air Sta., Norfolk 11, Va.*
- 13-14 **Advanced Gas-Cooled Reactor** (London): *Secy, British Nuclear Energy Conf., 1-7 Great George St., London, S.W. 1, England*
- 16-22 **Low Temperature Physics** (London) spons'd by Internat'l Union of Pure & Applied Physics: *LT-8, Queen Mary Col., U. of London, Mile End Rd., London, E. 1, England*
- 17-20 **Soc. of Exploration Geophysicists** (Calgary, Alta., Canada): *C. C. Campbell, Box 1536, Tulsa 1, Okla.*
- 24-28 **Union of German Physical Societies** (Stuttgart): *H. Franke, Gänseheide 15 A., Stuttgart O, Germany*

October

- 4-6 **Optical Society of America** (Rochester, N. Y.): *Mary Wargo, 1155 16th St., N.W., Washington 6, D. C.*
- 10-12 **Gaseous Electronics** (Boulder) spons'd by Nat'l Bureau of Standards, **American Physical Society**; abstracts deadline Aug. 24: *J. M. Richardson, NBS Labs, Boulder, Colo.*
- 31-3 **American Vacuum Society** (Statler Hilton Hotel, Los Angeles): *G. H. Bancroft, Consolidated Vacuum Corp., 1775 Mt. Read Blvd., Rochester 3, N. Y.*

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November

- 7-10 **Acoustical Society of America** (Seattle); abstracts deadline Aug. 8: R. W. Kenworthy, U. of Wash., Seattle, Wash.
- 23-24 **American Physical Society** (Cleveland); abstracts deadline Sept. 21: K. K. Darrow, 538 W. 120 St., New York 27, N. Y.

December

- 26-29 **American Physical Society** (Stanford U.); abstracts deadline Oct. 19: H. A. Shugart, U. of Calif., Berkeley 4, Calif.
- 26-31 Space Physics (Philadelphia) spons'd by Am. Rocket Soc., Am. Assoc. for Advancement of Science; send abstracts by September 10 to B. Chifos, ARS: R. Hohl, ARS, 500 Fifth Ave., New York 36, N. Y.
- ? **American Astronomical Society** (U. of Arizona & Kitt Peak Nat'l Observatory, Tucson, Ariz.): H. Smith, Yale U. Observatory, New Haven, Conn.

1963

May

- 22-25 **Acoustical Society of America** (New York City): H. F. Olson, RCA Labs, Princeton, N. J.

August

- 19-31 **Internat'l Union of Geodesy & Geophysics** (U. of Calif., Berkeley): D. K. Todd, U. of Calif., Berkeley, Calif. (See Dec. '61 PT, p. 88)
- 25-28 **Creep & Fracture** (Hotel Biltmore, NYC) spons'd by US & British Engineering Soc.; send abstracts by June 1 to K. Merck, GE Corp., Richland, Wash.: N. L. Mochel, Westinghouse Corp., Lester Branch P.O., Philadelphia 13, Pa. (See Aug. '61 PT, p. 80)
- 26-30 **Rheology** (Brown U.) spons'd by **Society of Rheology**, Internat'l Committee on Rheology; sent abstracts by Mar. 30, 1963, to E. H. Lee, Brown U.: R. S. Rivlin, Brown U., Providence 12, R. I. (See Oct. '61 PT, p. 88)

September

- 9-14 **International Union of Crystallography** (Rome): E. Onorato, Istituto di Mineralogia, Città Universitaria, Rome, Italy
- 15-19 **International Scientific Radio Union** (Tokyo): URSI, 7, pl. Emile Dancu, Brussels, Belgium

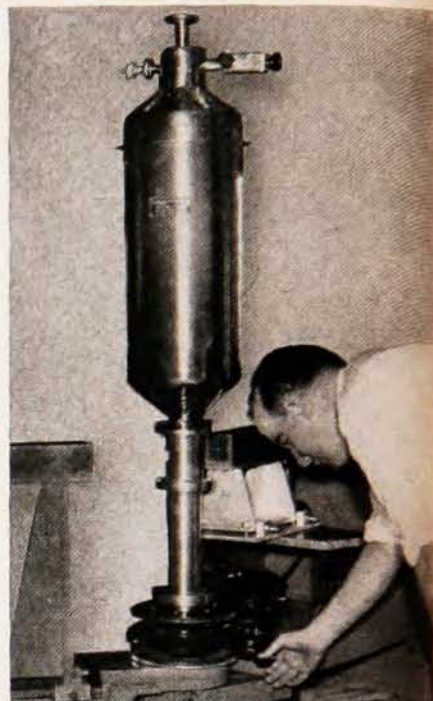
October

- 24-28 **Society of Exploration Geophysicists** (New Orleans, La.): T. O. Hall, Box 1536, Tulsa 1, Okla.

November

- 6-9 **Acoustical Society of America** (Ann Arbor): G. Peterson, U. of Michigan, Ann Arbor, Mich.

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