

Calendar of events

Material for inclusion in the calendar and meeting sections should be received 6 weeks prior to the date of the issue in which it is to appear. Further information about these meetings can be obtained by writing to the addresses indicated in parentheses.

May

- 7 Direct Reading Emission Spectroscopy, symposium sponsored by American Association of Spectrographers, Chicago, Ill. (M. E. Stager, U. S. Reduction Co., Box 30, East Chicago, Ind.)
- 7-8 Institute of Radio Engineers, North Atlantic Region, Sheraton Plaza Hotel, Boston (J. G. Easton, 275 Massachusetts Ave., Cambridge 39, Mass.)
- 11 **Physicists Club of the Lehigh Valley**, joint meeting with Sigma Xi, Lehigh University, Bethlehem, Pa. (J. R. DeVore, The New Jersey Zinc Co., Palmerton, Pa.)
- 13 **Optical Society of America, Southwestern Connecticut Section**, joint meeting, Stamford Engineering Society, Time Inc. Labs., Springdale (R. D. Hudson, Jr., Olympic Development Co., Stamford, Conn.)
- 13 **Physical Society of Pittsburgh**, Mellon Institute, Pittsburgh (R. B. Sutton, Carnegie Institute of Technology, Pittsburgh 13, Pa.)
- 14- Congress on Scientific and Technical Progress and European Exposition on Productivity, through June 7, Strasbourg, France (L. Chereau, 28 rue Serpente, Paris 6)
- 15 **American Association of Physicists Teachers, Western Pennsylvania Section**, Westminster College, New Wilmington, Pa. (R. M. Woods, Westminster College, New Wilmington, Pa.)
- 16-19 American Institute of Chemical Engineers, Kimball Hotel, Springfield, Mass. (AICE, 120 E. 41 St., New York 17, N. Y.)
- 17-19 Radiation Research Society, annual meeting, Wade Park Manor Hotel and Western Reserve University, Cleveland, Ohio (A. Edelmann, Brookhaven National Laboratory, Upton, L. I., N. Y.)
- 17-20 Second Basic Materials Exposition, International Amphitheatre, Chicago, Ill. (Clapp & Poliak, 341 Madison Ave., New York 17, N. Y.)
- 21-22 Operations Research Society of America, annual meeting, Edgewater Beach Hotel, Chicago, Ill. (T. E. Caywood, 704 Argyle Ave., Flossmoor, Ill.)
- 24 **Optical Society of America, Detroit Section** (D. L. Harmon, 16152 Parkside, University of Detroit, Detroit 21, Mich.)
- 24-26 Conference on Telemetering, AIEE sponsored, Morrison Hotel, Chicago, Ill. (American Institute of Electrical Engineers, 33 W. 39 St., New York 18, N. Y.)
- 24-27 4th Annual Research Equipment Exhibit, National Institutes of Health, Bethesda, Md. (Supply Management Branch, NIH, Bethesda 14, Md.)

- 24-27 Symposium on Instrumentation, co-presented by University of Michigan's Institute of Industrial Health and School of Public Health, Ann Arbor (Director, School of Public Health, University of Michigan, Ann Arbor)
- 25-28 American Society for Testing Materials, mass spectrometry, Hotel Jung, New Orleans, La. (ASTM, 1916 Race St., Philadelphia 3, Pa.)
- 27-29 Canadian Association of Physicists, annual meeting, Winnipeg (G. M. Shrum, University of British Columbia, Vancouver, B. C.)

June

- 6-11 Society of Automotive Engineers, summer meeting, The Ambassador, Atlantic City, N. J. (SAE, 29 W. 39 St., New York 18, N. Y.)
- 6-11 Conference on Industrial Research, Arden House, Harriman Campus, Harriman, N. Y. (R. T. Livingston, Columbia University, New York 27, N. Y.)
- 9-11 American Society for Quality Control, 8th annual convention, Jefferson Hotel and Kiel Auditorium, St. Louis, Mo. (U. C. Gramsch, P. O. Box 4436, Wade Station, St. Louis 15)
- 10 **Optical Society of America, Southwestern Connecticut Section**, joint meeting, Stamford Engineering Society, Time Inc. Labs., Springdale (R. D. Hudson, Jr., Olympic Development Co., Stamford, Conn.)
- 10 **Physical Society of Pittsburgh**, Mellon Institute, Pittsburgh (R. B. Sutton, Carnegie Institute of Technology, Pittsburgh 13, Pa.)
- 14-18 American Society for Engineering Education, annual meeting, University of Illinois, Urbana, Ill. (Marion Strohm, Northwestern University, Evanston, Ill.)
- 14-18 American Society for Testing Materials, annual meeting, exhibit and exposition, Hotels Sherman and Morrison, Chicago, Ill. (ASTM, 1916 Race St., Philadelphia 3, Pa.)
- 14-18 Symposium on Molecular Structure and Spectroscopy, Ohio State University, Columbus, Ohio (H. H. Nielsen, Ohio State University, Columbus 10)
- 14-19 International Scientific and Technical Congress, arranged by Flemish Engineers Association, Antwerp, Belgium (Secretary, Vlaamse Ingenieursvereniging, Schoenmarkt 31, Antwerp)
- 16-18 High Vacuum Symposium, sponsored by the Committee on Vacuum Techniques, Berkeley Carteret Hotel, Asbury Park, N. J. (CVT, Box 1282, Boston 9, Mass.)
- 16-19 Annual Colloquium of College Physicists, University of Iowa, Iowa City, Iowa (G. W. Stewart, University of Iowa, Iowa City)

- 19 American Mathematical Society, Portland, Ore. (AMS, 80 Waterman St., Providence 6, R. I.)
- 20-23 American Astronomical Society, Ann Arbor, Mich. (C. M. Hufler, Washburn Observatory, Madison 6, Wisc.)
- 20-25 American Institute of Chemical Engineers, meeting on nuclear energy, University of Michigan, Ann Arbor, Mich. (AICE, 120 E. 41 St., New York 17, N. Y.)
- 21-24 Institute of the Aeronautical Sciences, summer meeting, IAS Building, 7660 Beverly Blvd., Los Angeles, Calif. (IAS, 2 E. 64 St., New York 21, N. Y.)
- 21-25 American Institute of Electrical Engineers, summer and Pacific general meeting, Los Angeles, Calif. (AIEE, 33 W. 39 St., New York 18, N. Y.)
- 23-25 17th Congress for the Advancement of Spectrographic Methods, Paris (Secretariat, CAMS, 1 Place St. Thomas d'Aquin, Paris 7, France)
- 23-26 **Acoustical Society of America**, 25th anniversary meeting, Hotel Statler, New York City (W. Waterfall, 57 E. 55 St., New York 22, N. Y.)
- 28-30 **American Physical Society and American Association of Physicists Teachers**, University of Minnesota, Minneapolis, Minn. (K. K. Darrow, Columbia University, New York 27, N. Y.)
- 29-3 International Conference on Semiconductors, sponsored by The Netherlands Physical Society, IUPAP, and Unesco, Amsterdam (H. J. Vink, Floralaan 142, Eindhoven, Holland)

July

- 1-5 Joint Commission for Spectroscopy and Rydberg Centennial Conference, sponsored by International Council of Scientific Unions, University of Lund, Lund, Sweden (J. C. Bakker, Zeeman Laboratory, Pl. Muidergracht 4, Amsterdam 2, Holland)
- 7-10 **American Physical Society**, University of Washington, Seattle, Wash. (J. Kaplan, University of California, Los Angeles 24, Calif.)
- 13-17 Symposia on the Solid State, in Bristol, England, and on Experimental Nuclear Physics, in Glasgow, Scotland (H. A. Barton, 57 E. 55 St., New York 22, N. Y.)
- 15-17 International Symposium on Solid Particles in Astronomical Objects, International Astronomical Union, Liège, Belgium (P. Swings, Institut d'Astrophysique, Université de Liège, Sarte-Scllessin, Belgium)
- 16-21 Joint Commission on Electron Microscopy of the International Council of Scientific Unions, London, England (F. W. Cuckow, Chester Beatty Institute, Royal Cancer Hospital, Fulham Road, London, S. W. 3)
- 19-31 French Association for the Advancement of Science, Poitiers, France (AFAS, 28 rue Serpente, Paris 8)
- 21-28 International Union of Crystallography, Paris, France (J. Rose, Laboratoire de Mineralogie, 1 rue Victor Cousin, Paris 5)
- 25- World Power Conference, through August 8, Rio de Janeiro, Brazil (Secretary, U. S. National Committee of WPC, 33 W. 39 St., New York 18, N. Y.)
- 27-28 International Union of Theoretical and Applied Mechanics, Brussels, Belgium (H. L. Dryden, 1724 F St., N. W., Washington 25, D. C.)

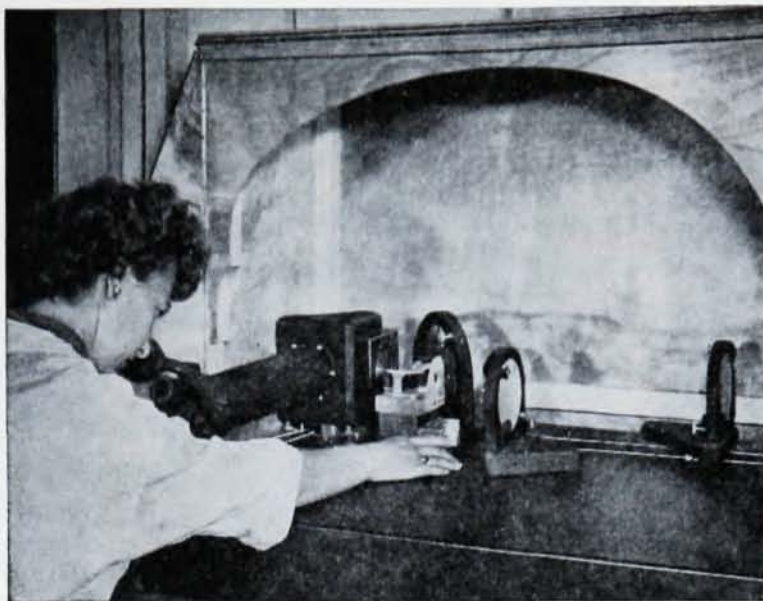
August

- 9-11 Institute of the Aeronautical Sciences, Seattle, Wash. (IAS, 2 E. 64 St., New York 21, N. Y.)

- 9-15 International Congress of Philosophy, Sao Paulo, Brazil, sponsored by the Brazilian Institute of Philosophy and the University of Sao Paulo (M. Reale, Rua 24 de Maio 104-8º andar, Sao Paulo)
- 12 Astronomy, conference, through Sept. 15, sponsored by National Science Foundation, University of California, Berkeley (Dept. of Astronomy, University of California, Berkeley, Calif.)
- 15-28 Pan Indian Ocean Science Congress, Perth, Western Australia (A. D. Ross, 31 Ventnor Ave., West Perth, Western Australia)
- 16-18 Joint Commission on Ionosphere of the International Council of Scientific Unions, Brussels, Belgium (W. J. G. Beynon, University College, Singleton Park, Swansea, England)
- 23- International Scientific Radio Union, 11th general assembly, through September 2, Amsterdam, Holland (E. Herbays, 42 rue des Minimes, Brussels, Belgium)
- 25-27 Western Electric Show and Convention (WESCON), Pan Pacific Auditorium, Los Angeles, Calif. (M. Mobley, Jr., 344 North LaBrea Ave., Los Angeles 36)
- 30-3 International Colloquium for Spectroscopy, Gmunden, Salzkammergut, Austria (K. H. Spitz, Sensengasse 2, Vienna 9, Austria)
- 30-3 5th International Symposium on Combustion, University of Pittsburgh, Pittsburgh, Pa. (H. G. Barnes, Alcoa Bldg., Pittsburgh 19, Pa.)
- 30-9 International Mathematical Congress, Amsterdam, Holland (M. H. Stone, University of Chicago, Chicago 37, Ill.)

September

- 1-8 British Association for the Advancement of Science, annual meeting, Oxford, England (The Secretary, BAAS, Burlington House, London, W. 1)
- 1-11 International Committee of Thermodynamics and Electrochemical Kinetics, Paris and Poitiers, France (Secretary-General, 50 avenue F.-D. Roosevelt, Brussels, Belgium)
- 1-16 International Electrotechnical Commission, 50th anniversary meeting, University of Pennsylvania, Philadelphia, Pa. (American Standards Association, 70 E. 45 St., New York 17)
- 6-8 Joint Commission on Radio Meteorology, sponsored by International Council of Scientific Unions, Brussels, Belgium (W. E. Gordon, College of Engineering, Cornell Univ., Ithaca, N. Y.)
- 6-9 The Physics of the Ionosphere, conference, Cambridge, England (A. C. Stickland, 1 Lowther Gardens, Prince Consort Rd., London, S. W. 7)
- 13-24 Instrument Society of America, 1st international instrument congress and exposition, Philadelphia, Pa. (A. H. Peterson, Mellon Institute, Pittsburgh 13, Pa.)
- 15-29 International Association of Physical Oceanography and International Union of Geodesy and Geophysics, 11 general assembly, Rome, Italy (Col. G. Laclavère, IAPO, 30 Avenue Rapp, Paris 7, France)
- 17-18 9th Annual Calorimetry Conference, General Electric Research Laboratory, Schenectady, N. Y. (W. DeSorbo, G-E Research Lab., Schenectady, N. Y.)



NOW YOU CAN ACCURATELY MEASURE TO ONE-MILLIONTH OF AN INCH

with the HENDRIX INTERFEROMETER
made by DAVIDSON MANUFACTURING CO.

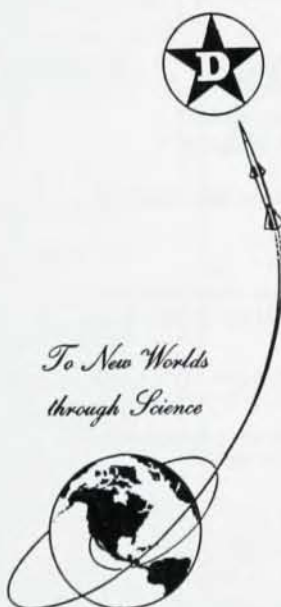
An interferometer, which measures by light waves, is the most accurate of all optical measuring devices.

The Hendrix Interferometer, Model 302, is particularly valuable because it is so easy to use. It has remarkable stability under normal laboratory conditions. It does not require highly skilled operators.

With it you can quickly see the defects of surface figure in optical elements such as windows, wedges, prisms or reflectors and you can also see internal glass defects. You can measure and photograph the quality in a complete optical assembly and evaluate the total error.

Hendrix Interferometers are made in a range of working apertures from 3 to 10 inches.

This instrument may be the solution to your critical inspection problem. We will gladly send you a booklet explaining the Model 302 in detail.



DAVIDSON MANUFACTURING CO.

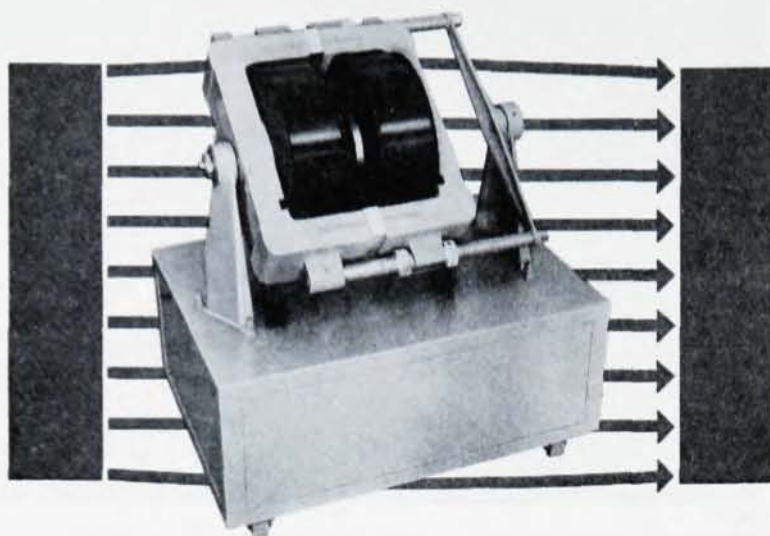
2223 E. RAMONA BOULEVARD
West Covina, California, U.S.A.

One of America's Finest Optical Plants

Telephone
EDgewood 7-7281

VARIAN announces

magnetic fields to order



with the new, multi-purpose

V-4007 LABORATORY ELECTROMAGNET

This versatile six-inch magnet produces a remarkable range of field values and configurations. It is the answer — **in one instrument** — to the exacting yet diverse requirements of laboratory research.

LOOK AT THESE FEATURES:

- Changeable pole caps for uniform or high field work.
- Easily adjustable gap — from $\frac{1}{4}$ inch to 6 inches.
- Yoke angle readily adjustable for best working access.
- Dolly mounting provides mobility without loss of rigidity in operating positions.
- Precise machining and accurate alignment assures high degree of field uniformity.

FOR OPTIMUM MAGNETIC FIELD STABILITY...

Varian's new, matching V-2200 Regulated Magnet Power Supply provides highly stable direct current for operation of the V-4007 electromagnet. Its significant features include:



- Maximum current regulation against line and load changes.
- Slow drift essentially unaffected by room temperature changes.
- Provisions for field modulating and n-m-r (nuclear magnetic resonance) field controlling signals.

FOR THE ULTIMATE IN...

Large-volume uniform magnetic fields, Varian offers the Model V-4012 Twelve-Inch Electromagnet with new trunnion-style mount, permitting choice of yoke angles.

FOR THE FULL STORY...

Write today for complete technical data and specifications on these outstanding Varian laboratory magnets and associated power supplies.



THE MARK OF LEADERSHIP

VARIAN associates

PALO ALTO 5, CALIFORNIA

Representatives in all principal cities

22-28 High-Speed Photography and Kine-matography, 2nd international symposium, Paris, France (P. Naslin, *Laboratoire Central de l'Armement, Fort de Montrouge, Arcueil, France*)

28 International Committee of Weights and Measures, and 10th general conference on Weights and Measures, October 5, Sèvres, France (Secretary, ICWM, *Pavillon de Breteuil, Sèvres, Seine et Oise*)

October

1-5 International Congress on Chronometry, sponsored by the French, British, German, Belgian, and Swiss Chronometry Societies, Paris, France (R. Baillaud, *Observatoire national de Besançon, Besançon, France*)

4-6 Characterisation of Polymers in Relation to their Technical Properties, colloquium sponsored by IUPAC, Turin, Italy (A. Tiselius, *Biokemiska Institutionen, Uppsala, Sweden*)

4-6 10th Annual National Electronics Conference, Hotel Sherman, Chicago, Ill. (K. Kramer, 852 E. 83 St., Chicago 19, Ill.)

6-7 Institute of Radio Engineers Professional Group on Nuclear Science, national conference, Sherman Hotel, Chicago, Ill. (S. J. Goslovich, 517 Forest Ave., Glen Ellyn, Ill.)

12 Ferrimagnetism Conference, Naval Ordnance Laboratory, Silver Spring, Md. (L. R. Maxwell, U. S. Naval Ordnance Laboratory, White Oak, Silver Spring, Md.)

14-16 Electron Microscope Society of America, 12th annual meeting, Moraine-on-the-Lake, Highland Park, Ill. (J. R. Cooper, G-E Co., Nela Park 85, Cleveland 12, Ohio)

18-22 Society of Motion Picture and Television Engineers, semiannual meeting, Los Angeles, Calif. (SMPTE, 342 Madison Ave., New York 16, N. Y.)

23 American Physical Society, New England Section, Dartmouth College, Hanover, N. H. (W. M. Preston, *Harvard University, Cambridge 38, Mass.*)

November

1-5 American Society for Metals, National Metal Congress and Exposition, International Amphitheatre, Chicago, Ill. (C. L. Wells, ASM, 7301 Euclid Ave., Cleveland 3, Ohio)

3-5 Society of Rheology, fall meeting, National Bureau of Standards, Washington 25, D. C. (T. L. Smith, *Hercules Experiment Station, Wilmington 99, Del.*)

18-20 Acoustical Society of America, semiannual meeting, University of Texas, Austin, Texas (W. Waterfall, 57 E. 55 St., New York 22, N. Y.)

26-27 American Mathematical Society, Iowa City, Ia. (AMS, 80 Waterman St., Providence 6, R. I.)

December

1-3 American Rocket Society, Hotel Statler, New York City (ARS, 33 W. 39 St., New York 18, N. Y.)

26-31 American Association for the Advancement of Science, national meeting, University of California, Berkeley, Calif. (R. L. Taylor, 1515 Massachusetts Ave., N.W., Washington 5, D. C.)