

EPLAB

PYRHELIOMETER For the Measurement of SOLAR RADIATION



Eppley Pyrheliometers are used for solar radiation measurements at ninety-eight weather stations in the continental United States, Canada, Alaska, Greenland, Iceland, Caribbean Sea, and the Pacific Ocean. Sixty-two of these stations are under the direction of the United States Weather Bureau. The Eppley Pyrheliometer was adopted as standard equipment by the Weather Bureau after considerable experimentation. It was found to be the best instrument so far tested by the Bureau.

Used in conjunction with a suitable recorder, the Eppley Pyrheliometer will provide an accurate and reliable record of total solar and sky radiation on a horizontal surface.

Bulletin No. 2 On Request

THE EPPLEY LABORATORY, INC.

Scientific Instruments

10 Sheffield Ave.

Newport, Rhode Island, U. S. A.

We hear that..

Charles J. Brasefield has been appointed chairman of the department of physics at Southern Illinois University, Carbondale, Illinois, effective September 13, 1954. At present, Dr. Brasefield is in charge of work in atmospheric physics at the Signal Corps Engineering Laboratories.

Gregory Breit, professor of physics at Yale University, has been awarded the honorary degree of doctor of science by the University of Wisconsin. A former member of the Wisconsin physics faculty (1934-47), Professor Breit was honored during the University's 101st commencement ceremonies on June 18th.

Seymour Cohn, head of the microwave group in Stanford Research Institute's Radio Systems Laboratory, has received the 1954 Award for the Advancement of Basic and Applied Science given by the Yale Engineering Association. The Award is made annually to "a young man with an outstanding record in advancing our knowledge of the basic and applied sciences".

Olin Industries, Inc., has established a physical chemistry department in its general research organization at New Haven, Connecticut. B. deB. Darwent is manager and chief of the kinetics section and Anderson Pace, Jr. heads the physical properties section.

L. A. DuBridge and H. P. Robertson of California Institute of Technology have returned from Europe where they served as official U. S. delegates to a command exercise in strategy and tactics at Supreme Headquarters, Allied Powers in Europe (SHAPE), in which a small group of scientists and some 250 senior officers from 13 NATO countries took part. The sessions were held from April 26th to 30th.

A. L. Gichtin, D. R. Miedaner, J. J. Redman, and A. Yeiser are now members of the technical staff of the Hughes Research and Development Laboratories, Culver City, California.

Thomas M. Hahn, Jr., professor of physics at the University of Kentucky, has been appointed head of the department and professor of physics at Virginia Polytechnic Institute, effective September 1st.

Walter H. Jordan has been named director of the Aircraft Nuclear Propulsion Project at Oak Ridge National Laboratory. He succeeds Raymond C. Briant, who died on April 25th.

Mervin J. Kelly, president of Bell Telephone Laboratories, has been awarded the Industrial Research Institute's 1954 Medal. Established in 1945, the Medal is presented annually "to recognize and honor

outstanding accomplishment in leadership in or management of industrial research which contributes broadly to the development of industry or the public welfare".

Thomas J. Killian, chief scientist at the U. S. Army Office of Ordnance Research at Durham, North Carolina, has been appointed dean of the Catholic University School of Engineering and Architecture, effective September. Dr. Killian previously had served with the Office of Naval Research as director of the physical science division since 1946, and as science director since 1947. In his new position he succeeds Dr. Francis E. Fox who died last December.

S. S. Penner, associate professor of jet propulsion at the California Institute of Technology, participated in the Fourth General Assembly of the Advisory Group for Aeronautical Research and Development, NATO, at Scheveningen, The Netherlands, May 3rd to 7th. He served as U. S. member of the AGARD Combustion Panel. He also presented a survey paper on the dynamics of reacting fluids before the Royal (Dutch) Engineering Institute.

C. D. Richard, Jr., has recently been appointed supervisor of the Superior Tube Company's Electronic Laboratory in Norristown, Pennsylvania. The Laboratory is responsible for the development and control of materials and products for the radio and television industry.

Rear Admiral **Lewis L. Strauss**, chairman of the Atomic Energy Commission, received on June 1st the honorary degree of Doctor of Humane Letters from Dropsie College in Philadelphia. His citation praised Admiral Strauss for having "eschewed the pursuit of lucrative gain to serve your country and mankind in a post of awesome responsibility".

James H. Wakelin, director of research for Textile Research Institute, Princeton, New Jersey, since 1951, has resigned his post in order to engage in private consulting. He will continue on a half-time basis with the Institute as research associate.

Walter Weinstein, a Fulbright Fellow from the Imperial College of Science and Technology, London, England, is currently associated with the optics division of the National Bureau of Standards.

Nobel Laureate **Hideki Yukawa**, professor of physics at Columbia University from 1949 until his return to Japan last year, has declined an invitation to resume his work at Columbia. He has informed the University that he plans to devote himself to a full-time program of research and teaching at Kyoto University's Theoretical Institute, of which he is the head.

Charles A. Ziegler, former health physicist at the Naval Research Laboratory, has been appointed to the staff of the National Bureau of Standards where he will carry out such health physics duties as may be required by the NBS Radiation Safety Committee to insure continuing adequate protection against penetrating radiation throughout the Bureau. He will also devote half his time to research in the atomic and radiation physics laboratory.

Communication Engineers

*with
experience in
the fields of*

**Systems
Engineering
Information
Theory
Circuit
Development
Electro-
mechanical
Development
Equipment
Engineering**

THE OPENINGS

Advancements in the fields of wave propagation, translation of information, communication theory, circuit techniques and equipment miniaturization have created a number of new openings for qualified engineers in the Hughes Advanced Electronics Laboratory.

AREAS OF WORK

The communication group is concerned with the design and development of unique radio communication systems and with exploiting new radio communication techniques. Specialists in propagation phenomena, antenna systems, network theory, magnetic recording, wide-band amplification, and intricate electromechanical devices are active in this program.

*Assurance is
required that
relocation of
applicant will
not cause
disruption of
an urgent
military project.*

Hughes

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DEVELOPMENT
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