

*To those qualified
in the techniques of*

PLASTICS

*as applied to the
field of advanced*

GUIDED MISSILES

*The Laboratories are engaged, among
other projects, in a highly advanced research
and development program devoted to
production of the Hughes guided missile.*

ENGINEERS or APPLIED PHYSICISTS

familiar with non-metallic materials are required to plan, coordinate, and conduct special laboratory and field test programs on missile components. These men should have experience in materials development, laboratory instrumentation, and the design of test fixtures.

RESEARCH CHEMIST

The Plastics Department of the Microwave Laboratory has need for an individual with a Ph.D. Degree, or equivalent experience in organic or physical chemistry, to investigate the basic properties of plastics. The work involves research into the properties of flow, the mechanisms of cure, vapor transmission, and the electrical and physical characteristics of plastics.

HUGHES

Scientific and Engineering Staff

RESEARCH AND DEVELOPMENT LABORATORIES
Culver City, Los Angeles County, California

We hear that..

Louis E. Barbrow, physicist with the National Bureau of Standards since 1927, has been appointed chief of the NBS photometry and colorimetry section, succeeding K. S. Gibson, who has retired.

John G. Bolton, Australian radiophysicist, has been appointed a senior research fellow in physics and astronomy at California Institute of Technology.

Leon Brillouin and Abraham Pais have recently joined the physics department staff at Columbia University. Dr. Pais, professor of physics at the Institute for Advanced Studies, is visiting professor for the spring semester while Dr. Brillouin, named adjunct professor of physics, will be primarily engaged in research and writing.

Don L. Collins, technical director of the Victoreen Instrument Company since 1946, has joined the Landsverk Electrometer Company, Glendale, California, as vice president.

Joseph M. Denney, Herbert R. Philipp, and Benjamin Segall have joined the General Electric Research Laboratory staff in Schenectady. Dr. Denney, a research associate in the metallurgy department, was formerly a consultant with North American Aviation; Dr. Philipp, a research associate in the general physics department, recently received his PhD at the University of Missouri; Dr. Segall, a former staff member at the University of California Radiation Laboratory, will work in G-E's light production studies section.

Malcolm E. Ennis, who has been associated with the Los Alamos Laboratory since 1950, has been appointed associate professor of physics at Texas A & M College.

Samuel N. Foner of the Johns Hopkins Applied Physics Laboratory has received the physical science award of the Washington Academy of Sciences for his studies of constituents of flame reactions.

Stanley C. Fultz of the Rensselaer Polytechnic Institute physics faculty has received a Research Corporation grant for a study of "radiations from certain radioisotopes."

Marshall C. Harrington, professor of physics at Drew University, Madison, New Jersey, has resumed his teaching duties. From 1952 to 1954 Dr. Harrington was a member of a Unesco technical assistance mission to Baghdad after which, in the fall of 1954, he visited various English universities, observing undergraduate programs of laboratory work in physics.

Gregory K. Hartmann has been named technical director for research at the U. S. Naval Ordnance Laboratory. Dr. Hartmann, who has been associate technical director since December 1951, came to NOL in 1946, became chief of the explosives research department in 1950, and later assumed responsibility for the aeroballistics and physics departments as well. **Harold J. Plumley**, chief of the physics research department, succeeds Dr. Hartmann as associate technical director.

Caryl P. Haskins, president and director of research of Haskins Laboratories in New York City, a nonprofit scientific and educational foundation founded in 1935, has been elected president of the Carnegie Institution of Washington. He will succeed Vannevar Bush, who retires on January 1st, 1956. Dr. Haskins, a research professor in biophysics at Union College, Schenectady, since 1937, has been a trustee of the Carnegie Institution since 1949.

Albert G. Hill, professor of physics and director of the Lincoln Laboratory, has received a citation "in recognition of outstanding achievements and services" from Washington University in St. Louis. The citation was presented during the University's second century convocation on February 19th.

James A. Krumhansl, formerly associate professor of physics at Cornell University, has joined the staff of National Carbon Company as assistant director of research at the company's new research center which is now under construction in Cleveland.

David B. Langmuir has joined the guided missile research division of the Ramo-Wooldridge Corporation of Los Angeles.

Robert S. Marvin, **Thomas G. Fox**, and **W. James Lyons** have been elected chairman, vice chairman and secretary-treasurer, respectively, of the Division of High-Polymer Physics of the American Physical Society.

The following officers for 1955 have been elected by societies affiliated with the American Institute of Physics: American Society for Metals, **George A. Roberts** (president), **A. O. Schaefer** (vice president), **W. A. Pennington** (treasurer), and **W. H. Eisenman** (secretary); American Crystallographic Association, **William N. Lipscomb** (president), **J. D. H. Donnay** (vice president), **George Jeffray** (treasurer), and **Jürg Waser** (secretary); Physics Club of the Lehigh Valley, **J. R. DeVore** (president), **W. Keck** (vice president), and **R. B. Sawyer** (secretary-treasurer); Cleveland Physics Society, **E. C. Gregg** (president), **Gerhart Groetzinger** (vice president), and **J. C. Bowman** (secretary).

Thomas M. Shaw, former senior research physicist with the Department of Agriculture, has joined Southwest Research Institute where he will be responsible for research on applications of radiofrequency and microwave spectroscopy to chemical problems.

Kenichi Watanabe, formerly with the Geophysics Research Directorate, has returned to the University of Hawaii as professor of physics.

PULSE HEIGHT ANALYSIS

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