

WE HEAR THAT

Dietrich Jenny, a former member of RCA Laboratories, joined the Hughes Aircraft Company, Culver City, Calif., in July as manager of the firm's Semiconductor Division. He returned from Italy during the summer after having served for two years as general manager of Societa Generale Semiconduttori, a semiconductor firm in Milan.

Karl G. Kessler has been appointed chief of the Atomic Physics Division of the National Bureau of Standards in Washington, D. C., succeeding **L. M. Branscomb**, who has transferred to the Joint Institute for Laboratory Astrophysics, the collaborative project of the Bureau and the University of Colorado which was established this year on the University's campus in Boulder. **William C. Martin** has succeeded Dr. Kessler as chief of the Spectroscopy Section. Also at NBS in Washington, **Robert P. Madden** heads a newly formed Far Ultraviolet Physics Section, **Wolfgang L. Wiese** is in charge of the new Plasma Spectroscopy Section, and **Harold Boyne** heads the Atomic Physics Section, replacing **S. J. Smith**, who has also transferred to the Joint Institute for Laboratory Astrophysics.

Milton M. Slawsky, formerly chief of the Propulsion Division of the Air Force Office of Scientific Research, has been named director of Engineering Sciences for the AFOSR. **Richard G. Stoner**, on leave from Pennsylvania State University, and **Robert F. Stetson**, on leave from the University of Florida, have joined AFOSR's Solid State Science and General Physics Divisions, respectively. **Anthony J. Matuszko**, formerly of the Naval Propellant Plant in Indian Head, Md., has joined the staff of the Office's Directorate of Chemical Sciences.

Recently appointed associate professors in the Physics Department of the US Naval Postgraduate School in Monterey, Calif., are **Franz Bumiller** from the High Energy Physics Laboratory at Stanford, **Mohamed Hakeem** from the University of Miami, and **Gerhard Mueller**, on leave from the Institute of Theoretical Physics at Bonn. The Department has also announced the appointment of three assistant professors: **Nilola Nikolic** from Columbia University, **William Zeleny** from the University of Sydney, and **Karlheinz Woehler**, on leave from the Max Planck Institute in Munich.

After a tour of duty with the National Science Foundation, **Harold Glaser** has rejoined the Physics Branch of the Office of Naval Research, where he is again associated with work on Project Stratoscope.

Maurice M. Shapiro, superintendent of the Nuclear Division and head of the Cosmic Ray Branch at the US Naval Research Laboratory in Washington, D. C., has received a Guggenheim fellowship for 1962-

63 and is spending the year as visiting professor at the Weizmann Institute of Science in Rehovoth, Israel. During Dr. Shapiro's absence from NRL, **John McElhinney** will serve as acting superintendent of the Nuclear Division and **Bertram Stiller** will be acting head of the Cosmic Ray Branch.

J. M. B. Kellogg, head of the Physics Division at the Los Alamos Scientific Laboratory in New Mexico since 1946, has been named research advisor to the Laboratory. He has been succeeded as Division leader by **Richard F. Taschek**. **Louis Rosen**, group leader in the Physics Division, has been named to replace Dr. Taschek as alternate leader of the Division.

The University of Virginia, Charlottesville, Va., has appointed **Nicolas Cabrera** as chairman of the Physics Department, succeeding **J. W. Beams**, who has retired from that post to devote his full time to research and teaching. **Frank L. Hereford**, professor of physics, has been named dean of the Graduate School of Arts and Sciences, but will continue research and teaching in the Physics Department. Other appointments at Virginia include those of **Klaus Ziock** (from Yale University) as associate professor; **Albert Altman** (from the University of Maryland), **Judah Eisenberg** (from the Massachusetts Institute of Technology), and **D. Larson** (from Harvard University) as assistant professors; and **Kongki Min** and **Ludwig Weigert** as research associates. In addition, **R. E. Garrett**, from Hollins College and **E. Grunbaum** from the University of Chile are visiting the Department for a year.

Esther M. Conwell, head of the electronics materials program of General Telephone & Electronics Laboratories, Inc., Bayside, N. Y., is currently in France, serving as a visiting professor of physics at the Ecole Normale Supérieure in Paris.

Winfield W. Tyler, formerly manager of the Light Production Studies Section of the General Electric Research Laboratory in Schenectady, has been named director of the Xerox Corporation's Fundamental Research Laboratory in Rochester, N. Y.

Frederick Warren Van Name, Jr., has been appointed as head of the new Department of Physics in the Pratt Institute's School of Engineering, Brooklyn, N. Y. Dr. Van Name was formerly chairman of the Physics Department at the University of Delaware.

John F. Hicks has been named vice president of the Battelle Memorial Institute, Columbus, Ohio, with responsibility for administrative control in those areas pertaining to Battelle's scientific and technical growth. Dr. Hicks joined Battelle's executive staff a year ago as associate director. **Frederick J. Milford**, a member of the Battelle staff since 1959, has been appointed assistant director of technical development with re-

sponsibility for guiding the fundamental scientific programs supported by the Institute. Iver Igelsrud, editor of the *Battelle Technical Review* since its origin ten years ago, has retired after almost 27 years with the Institute and is now a consultant on scientific problems for the Chilean Government. Robert E. Maringer, a member of Battelle's metals science group, was recently awarded a fellowship by the Royal Norwegian Council for Scientific and Industrial Research, enabling him to spend a year of study and research at the Engineering and Research Foundation of the Technical University of Norway.

Alfred E. Brenner and Daniel Kleppner of Harvard University have been appointed assistant professors of physics.

Joseph B. Platt, president of Harvey Mudd College, was honored in July with a special award for "five years of fostering excellence in education" through his affiliation with the Southern California Industry-Education Council. The presentation was made at the 6th Annual Industry-Education Conference, which was held at Arrowhead, Calif.

Harry L. Welsh has succeeded W. H. Watson as chairman of the Department of Physics at the University of Toronto in Canada. G. David Scott has been appointed associate chairman.

S. S. Penner, professor of jet propulsion at the California Institute of Technology, is currently on leave of absence from Caltech while serving as director of the Research and Engineering Support Division of the Institute for Defense Analyses in Washington, D. C.

Lawrence D. Favro of Columbia University and David W. Moomaw from the University of Michigan have been appointed assistant professors of physics at Wayne State University, Detroit, Mich.

Robert Gerson, formerly research physicist at the Clevite Corporation in Cleveland, Ohio, has recently become a professor in the Department of Physics of the Missouri School of Mines and Metallurgy, Rolla, Mo. Don C. Hopkins has also joined the department as an assistant professor.

Frederick P. Cranston, formerly of the Los Alamos Scientific Research Laboratory, has joined the faculty of Humboldt State College, Arcata, Calif., as associate professor of physics.

The Department of Physics at Worcester Polytechnic Institute, Worcester, Mass., has announced the appointments of Raymond Goloskie (Colgate University), Harold W. Hilsinger (University of Connecticut), Jerald A. Weiss (Hylelectronics Corp.), and John F. Wild (Trinity College), as assistant professors.

Robert J. Sunderland has been appointed senior research scientist at MHD Research, Inc., Newport Beach, Calif. He was previously associated with the Applied Physics Laboratory of Aerojet's Spacecraft Division.

PHYSICISTS & ELECTRONIC SCIENTISTS

The Scientific Research Staff at Republic Aviation is conducting a wide range of theoretical and experimental programs in electronics and guidance research, including a significant advance in nuclear gyroscopes.



Shown above is a prototype model of Republic's new "proton" gyro concept. Discussing its basic performance formulas are Mr. Alex Grumet, designer of the initial feasibility demonstration model, and Mr. Joseph Skala, who designed the advanced model in photo. Fundamentally, the gyro is a water-filled sphere subjected to a magnetic field. The only moving parts are spinning electrons and protons. A long-term investigation was initiated in this area by Republic in 1959. Recently the company was awarded a contract by the Bureau of Naval Weapons for further research and development of a practical magnetic induction gyroscope. It is expected to have a lower drift rate than the best existing gyros and cost far less.

Opportunities exist on this program for interested Physicists with PhD and experimental or theoretical experience in magnetic resonance or related field.

The Scientific Research Staff is supported by the excellent facilities of Republic's Paul Moore Research & Development Center, the most sophisticated aerospace research complex in the East. Appointments to the Staff are also open in these other areas of

ELECTRONICS & GUIDANCE RESEARCH

ELECTROMAGNETIC THEORY & ANTENNAS. Involves several aspects of electromagnetic theory and antenna research. At the theoretical and experimental level, investigations are exploring broadbanding phenomena. Related studies concern a miniature antenna concept with characteristics equivalent to much larger units. Other work relates to electro-optics, effects of plasma on communications, electromagnetic means of determining vehicle attitudes, as well as the initiation of new research studies. Requirement: PhD (or MS working toward PhD) and heavy research experience.

COMMUNICATIONS & GUIDANCE. Research is being expanded in the areas of communications theory, displays, guidance subsystems and computer theory. Requirements: PhD in Physics or EE, capable of initiating such research.

You are invited to write in confidence to Mr. George R. Hickman, Professional Employment Manager, Dept. 16L.

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