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WE HEAR THAT

E. U. Condon has been appointed professor of physics in the University of Colorado's Department of Physics and Astrophysics and fellow of the Joint Institute for Laboratory Astrophysics, which the University operates on its Boulder campus in cooperation with the National Bureau of Standards. Professor Condon, who was formerly chairman of the Department of Physics at Washington University in St. Louis, spent the past academic year as visiting professor of physics at Oberlin College. **Leona Marshall**, previously of New York University, has also been named professor in the Department of Physics and Astrophysics at Colorado. **Paul E. Phillipson**, formerly of the University of Michigan, has joined the Department as an assistant professor.

Rohn Truell has been appointed chairman of the Division of Applied Mathematics at Brown University. Professor Truell, who is president of the University's Physical Sciences Council, first joined the Brown faculty in 1946 as an assistant professor of physics and has been a full professor in the Applied Mathematics Division since 1951. He succeeds **Ronald S. Rivlin**, the former chairman of the Division, who was recently named an L. Herbert Ballou University Professor at Brown.

Herbert I. Fushfeld, former director of research at American Machine and Foundry Company, has been named director of research of Kennecott Copper Corporation.

Kenneth S. Cole, chief of the Laboratory of Biophysics at the National Institute of Neurological Diseases and Blindness, is on leave of absence during the current academic year while serving as Regents Professor of medical physics at the University of California at Berkeley. Dr. Cole will spend the spring semester at Berkeley conducting research at the University's Donner Laboratory of Medical Physics.

J. J. Gilman, formerly professor of engineering at Brown University, is now professor of physics and metallurgy at the University of Illinois, Urbana.

Recent appointments in the Department of Physics and Astronomy at the University of Maryland include those of the following assistant professors of physics: **Angelo Bardasis** from the University of Paris; **Daniel I. Fivel**, a former National Science Foundation postdoctoral fellow at the Massachusetts Institute of Technology; **Michael Fowler** from Princeton University; **John F. Koch** from the University of California at Berkeley; **Sadao Oneda**, formerly professor of physics at Kanazawa University in Japan; **Jogesh Pati** of the Institute for Advanced Study in Princeton and a former Tolman postdoctoral fellow at the California Institute of Technology; and **Allan W. DeSilva**, formerly of the Lawrence Radiation Laboratory

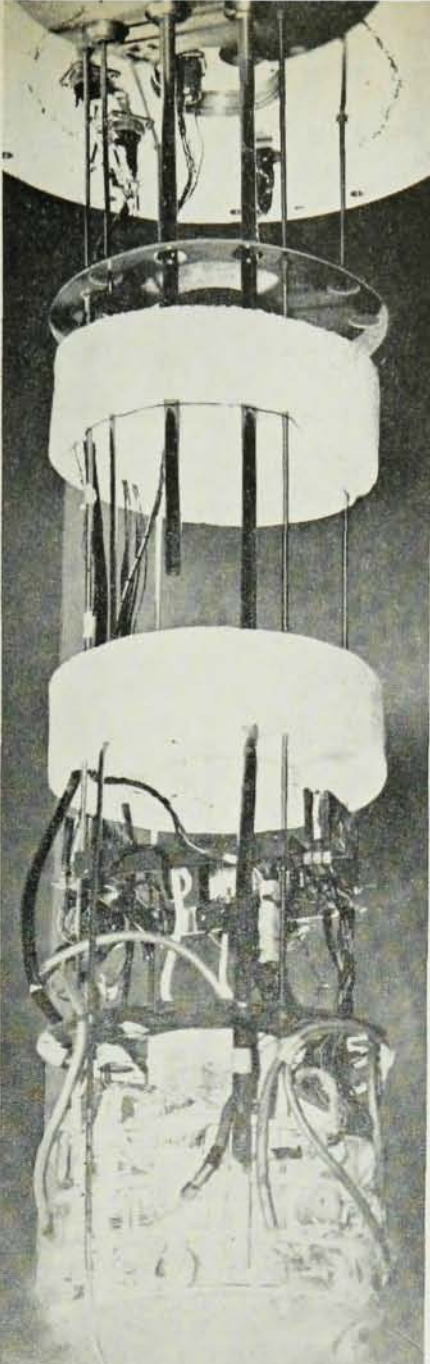
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in Berkeley and currently an NSF fellow at the British Atomic Energy Research Establishment at Harwell, who will join the Maryland staff in the spring semester. Roger A. Bell, formerly of the University of Adelaide in Australia, has joined the Maryland Department as an assistant professor of astronomy. Newly appointed research associates in physics at Maryland include Edward J. Woods from the University of Alberta in Canada, Harry C. S. Lam from MIT's Laboratory for Nuclear Science, Kamal N. Islam and Shin Yabushita from Cambridge University in England, Hiroshi Ezawa from the University of Tokyo, and Carl A. Ludemann and Peter Fulde, who have recently completed their doctorates in physics at Maryland. Douglas B. Currie, until recently at Princeton University on an NSF postdoctoral fellowship, is spending the second year of his fellowship at Maryland.

Martin H. Bloom, formerly of the Polytechnic Institute of Brooklyn, has been named technical assistant to the president of General Applied Science Laboratories, Inc., Great Neck, L. I., N. Y.

John W. Clark has joined the engineering physics staff of Battelle Memorial Institute, Columbus, Ohio. Dr. Clark was previously manager of the Nucleonics Division of Hughes Aircraft Company in Fullerton, Calif.

Raymond M. Hainer has been elected vice president of Arthur D. Little, Inc., Cambridge, Mass. He is responsible for directing the activities of the company's Research and Development Division.

Major General Chester W. Clark, a physicist who has served for the past year and a half as director of research in the Army's Office of Research and Development in Washington, D. C., has been reassigned to the post of commanding general of the US Army in Japan.

Melbourne Stewart was recently appointed chairman of the Department of Physics at Wayne State University. He was formerly on the staffs of the Iowa State University Physics Department and the Ames Laboratory. Also joining Wayne State's Physics Department are Alvin Saperstein, formerly of the University of Buffalo, who has been appointed associate professor, Hagen Bulow, from the Technische Hochschule in Aachen, who is serving as a visiting associate professor, and Norman Tepley from the Massachusetts Institute of Technology, who has been named assistant professor. Lachlan Mackinnon, senior lecturer at the University of Leeds in England is spending the present academic year at Wayne State under a National Science Foundation Senior Foreign Scientist Fellowship.

William B. Daniels has been promoted to the rank of associate professor in Princeton University's solid-state and materials program.

Phillip H. Geil, formerly of the Camille Dreyfus Laboratory in Durham, N. C., and Jack L. Koenig from the DuPont Experimental Station in Wilmington, Del., have joined the Polymer Science Group at the

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CONSULTING MATHEMATICIAN—to lead staff of applied mathematicians in solving complex problems in the nuclear reactor field. A wide range of interesting mathematical problems is encountered in the nuclear reactor field.* Independent mathematical research is currently being conducted in numerical analysis with emphasis on partial differential equation solution by means of finite difference techniques and Monte Carlo methods. In the area of physics, typical analysis problems arise in connection with the solution of multigroup neutron diffusion and neutron transport equations, as well as from problems in reactor dynamics. In the area of engineering, diverse problems are encountered in heat transfer, fluid flow, and mechanics; for example, the solution of equations for non-steady state conduction for a variety of boundary conditions, and the solution of elasticity and plasticity problems. Consultation in mathematics is provided throughout the Laboratory and there is opportunity for the mathematicians to work closely with theoretical physicists and analytical engineering specialists on problems of mutual interest. Extensive supporting facilities include digital and analog computers with associated staffs of programmers. Candidate's qualifications should include Ph.D. in Mathematics plus pertinent experience.

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Background required is a Ph.D. in theoretical or nuclear physics, or nuclear engineering. Specific experience in reactor physics is desirable though not necessary.

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*See e.g. *Proceedings of Symposia in Applied Math*, Vol. 11, *Nuclear Reactor Theory*, American Mathematical Society 1961

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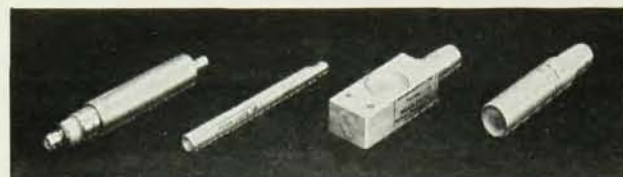
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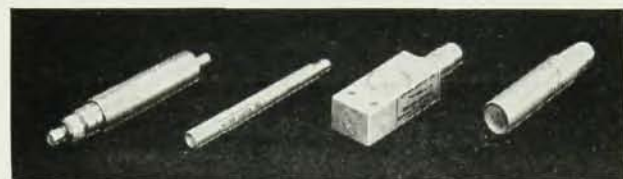
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Case Institute of Technology Materials Science Center in Cleveland. They will be concerned with developing a program in the solid-state physics of polymers.

Frank T. Dietz, associate professor of physics at the University of Rhode Island and associate in research at the University's Narragansett Marine Laboratory, is on leave of absence during the current academic year. He is engaged in underwater acoustics research at the Marine Laboratory of the University of Miami's Institute of Marine Science.

Irving Weinberg, formerly of Ford-Aeronutronic and Long Beach State College, Calif., has joined the Materials Research Section of the California Institute of Technology's Jet Propulsion Laboratory as a senior scientist.

Murray Peshkin has been appointed associate director of the Physics Division of Argonne National Laboratory. Dr. Peshkin has been associated with the Laboratory since 1959.

Gerald H. Rosen, principal scientist for the Aerospace Division of Martin-Marietta Corporation, was recently appointed to the post of senior research physicist at the Southwest Research Institute in San Antonio, Texas.

J. Ross Macdonald has been appointed director of the Central Research Laboratories of Texas Instruments, Inc., Dallas. Dr. Macdonald, who previously served as director of the firm's Physics Research Laboratory, has been succeeded in the latter post by Robert Stratton, formerly head of the Laboratory's transport-physics program.

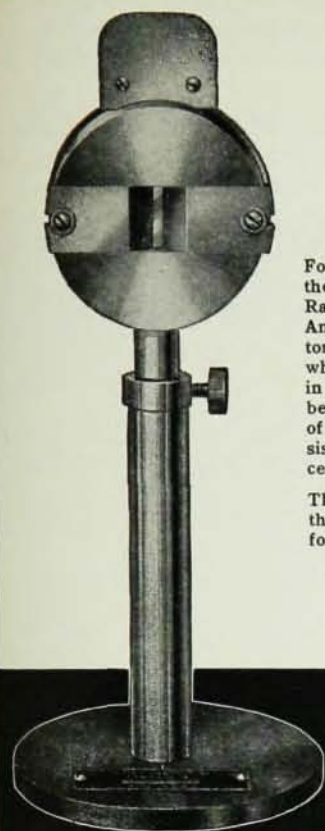
Finn J. Larsen, former vice president of Honeywell's basic research activities who has served for the past two years as Assistant Secretary of the Army for Research and Development, has returned to the Minneapolis firm as vice president in charge of research and development.

Ernest C. Pollard, professor of biophysics at Pennsylvania State University, has been named head of the new Department of Biophysics in Penn State's recently organized College of Science. Dr. Pollard has been associated with the University since 1960 as head of the graduate program in biophysics.

Gilbert N. Plass has been appointed professor of atmospheric and space sciences at the Southwest Center for Advanced Studies, Dallas. He was formerly associated with the Aeronutronic Division of the Ford Motor Company in Newport Beach, Calif.

George W. Crawford, former chief of the Physics Branch of the USAF School of Aerospace Medicine, Brooks Air Force Base, San Antonio, Texas, has been appointed professor of physics at Southern Methodist University.

New members of the research staff of the Sperry Rand Research Center, Sudbury, Mass., include John R. Shane in the Solid-State Physics Department, Hans J. Schmitt and Lloyd Thomas Shepherd in the



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**Vandaveer, Industrial & Engineering Chemistry, Vol. 22, page 596, June 1930.*

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Plasma Physics Department, and **Philip M. Stone**, who will conduct research at the center in nuclear reactor theory, numerical analysis, and atomic physics and scattering theory.

Jack W. Carpenter has been appointed vice president of the Geophysics Division of American Science and Engineering in Cambridge, Mass. He was previously chief of the firm's theoretical physics staff.

Lawrence R. Bickford, Jr., of IBM's Thomas J. Watson Research Center in Yorktown, N. Y., has been named director of the IBM Research Laboratory in Japan.

William Shockley has been named to receive the first appointment to the newly established Alexander M. Poniatoff professorship of engineering science at Stanford University. Dr. Shockley, who has been associated with Stanford since 1956 as a lecturer in electrical engineering, will continue to serve as consultant to the Shockley Laboratory of Clevite Transistor. In his new post, which is named after the founder of Ampex Corporation, he will serve as professor-at-large in engineering and applied science.

Lester Bockstahler, who recently retired as associate professor of physics at Northwestern University, has been appointed professor of physics at Middlebury College in Vermont.

Leonard J. Eyges has joined the staff of the Solid-State Sciences Laboratory of the Air Force Cambridge Research Laboratories in Bedford, Mass. Professor Eyges was formerly associated with the Lincoln Laboratory.

Paul E. Klopsteg retired on August 31 as science and engineering consultant to the president of Northwestern University. An emeritus member of the faculty, Dr. Klopsteg served from 1944 to 1954, when he reached the University's formal retirement age, as professor of applied science and director of research at Northwestern's Technological Institute. From 1951 to 1958 he was associate director of the National Science Foundation. Dr. Klopsteg is a former chairman of the Governing Board of the American Institute of Physics, and he served in 1954 as president of the American Association of Physics Teachers.

Herbert F. Mataré has been named technical director of the Lear Siegler Research Laboratories, Santa Monica, Calif. Dr. Mataré was previously head of the Quantum Physics Department of the Bendix Research Laboratories, Southfield, Mich.

Henry D. Vasileff, formerly of Raytheon's Semiconductor Division, has joined the Advanced Materials Research and Development Laboratory of the Pratt and Whitney Aircraft Division, North Haven, Conn., as assistant director of research.

Fritz Rohrlisch and **Joshua N. Goldberg** have joined the faculty of Syracuse University as professors of physics, and **Gabriel Pinski** has been appointed instructor in physics.