



W. J. Andrews, formerly with the Radio Corporation of America in Lancaster, Pennsylvania, has joined the Applied Physics Laboratory, Johns Hopkins. Another APL appointment is that of **Norman W. Lord**, who was previously employed by the Raytheon Manufacturing Company in Waltham, Massachusetts.

Carl L. Bailey, professor of physics at Concordia College, Moorhead, Minnesota, has been appointed dean of instruction at Concordia, effective September 1st. He will continue to teach in the physics department.

Stanley S. Ballard has joined the research staff of the University of California as a research physicist and as associate director of the Visibility Laboratory of the Scripps Institution of Oceanography. He has spent the past academic year, while on leave of absence from his regular duties as professor of physics and department chairman at Tufts College, in the electronics division of the Rand Corporation, Santa Monica, California.

The following scientists have accepted summer appointments in the physics division of the Argonne National Laboratory: **Paul R. Cheevers**, University of Illinois; **Fritz Coester**, State University of Iowa; **Verne E. Dietrich**, North Central College, Illinois; **Harold A. Jackson**, Princeton University; **Roy Kappelow**, Massachusetts Institute of Technology; and **William F. Miller**, Purdue University.

California Institute of Technology has announced the following faculty promotions: from associate to full professors, **C. Hewitt Dix** (geophysics) and **Arthur L. Klein** (aeronautics); from assistant to associate professor, **Eugene W. Cowan** (physics); and from research to senior research fellows, **Charles A. Barnes** and **James C. Keck** (physics).

Edward B. Doll, chairman of the physics department at Stanford Research Institute, has been promoted to assistant director of research in the physical sciences division of the Institute.

A. E. Douglas, of the Canadian National Research Council's division of physics, has been named a fellow of the Royal Society of Canada in recognition of his achievements in the field of spectroscopy.

P. P. Ewald, head of the department of physics at the Polytechnic Institute of Brooklyn and editor of the journal, *Acta Crystallographica*, was awarded an

honorary degree by the Technische Hochschule, Stuttgart, Germany, at the school's 125th anniversary ceremonies in June.

D. H. Ewing and **H. W. Leverenz** have been promoted as part of organizational changes at the laboratories of the Radio Corporation of America. Dr. Ewing, previously director of the RCA Physical and Chemical Research Laboratory in Princeton, has been appointed administrative director of RCA Laboratories; Mr. Leverenz, who assumes Dr. Ewing's duties as director, had been a senior member of the technical staff heading the chemico-physics research group.

Salvador M. Ferigle, who came to the Illinois Institute of Technology in 1949 from the University of Madrid, has been promoted to assistant professor of physics at Illinois Tech.

Jay W. Forrester, director of the Digital Computer Laboratory at Massachusetts Institute of Technology, has been awarded the honorary degree of doctor of engineering by the University of Nebraska. Since 1947 Dr. Forrester has been in charge of designing, building, and operating Whirlwind I, MIT's large high-speed digital computer.

Beno Gutenberg, professor of geophysics and director of the Seismological Laboratory at Caltech, has been elected a foreign member of the Geological Institute of London in recognition of his "great contributions to seismological science and thus to our understanding of the earth and its structure".

E. Floyd Hassell, **Julius Spiro**, **Arthur M. Vash**, **Harold Wanger**, and **Daniel Willard** are new staff members of the Brookhaven National Laboratory.

Ralph Huntley, associate physicist at Armour Research Foundation for the past year, has been named to supervise operations at the Foundation's Riverbank Acoustical Laboratory, Geneva, Illinois.

Lester E. Lighton, engineering vice-president at The Electric Storage Battery Company since 1945, has been presented with the honorary degree of doctor of science by Bucknell University. The degree was conferred for "his contributions to enlarging the resources of modern engineering".

Erwin F. Lowry, manager of the Lighting Engineering Laboratories at Sylvania Electric Products Inc., has been named to receive the 1954 Gold Medal of the Illuminating Engineering Society. The presentation will be made during the Society's annual technical conference in Atlantic City in September. Dr. Lowry, who is the first physicist engaged in light source research chosen to receive the Medal, initiated and directed the research which led to the development of the electroluminescent lamp as a practical device.

Robert E. Marshak, who has been in Europe for the past year lecturing under a Guggenheim Fellowship, will resume his duties as chairman of the University of

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and

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Rochester physics department this September. Dr. Marshak lectured at the Sorbonne and elsewhere in Europe and served as consultant for the various theoretical groups at the Institut d'Henri Poincare and the French Atomic Energy Commission. He also took part in the Summer School for Theoretical Physics at Les Houches in the French Alps.

G. Stanley Meikle, former research director of the Purdue Research Foundation, has become vice-president of the Foundation. His successor as director of research is **Ralph A. Morgen**, who has served for the past two years as program director for engineering for the National Science Foundation in Washington.

H. V. Neher, professor of physics, and **Edward Stern**, graduate student in physics at the California Institute of Technology, left late in June on a cosmic-ray expedition sponsored by the Office of Naval Research, the U. S. Weather Bureau, and Caltech. They planned to measure cosmic-ray intensities from Charleston, South Carolina, to the northern tip of Ellesmere Island near the north geomagnetic pole.

Gertrude Fleming Rempfer and **Robert W. Rempfer** have joined Fisk University as associate professors of physics and mathematics, respectively. Dr. Gertrude Rempfer has set up at Fisk an electrostatic electron optical system of her own design which can be used for electron microscopy. This is the first electron microscope to make its appearance in Nashville. Previously the Rempfers were on the faculty at Antioch College.

Arthur Roberts, professor of physics at the University of Rochester, has been given a year's leave of absence to serve with the U. S. Office of Naval Research in Europe as scientific liaison officer in nuclear physics.

H. P. Robertson has taken a year's leave of absence as professor of mathematical physics at Caltech; he has been appointed scientific advisor to Supreme Headquarters, Allied Powers, Europe (SHAPE), headed by General A. M. Gruenther.

Charles P. Smyth of Princeton University has been awarded the Nichols Medal of the American Chemical Society's New York Section. The Medal was presented for his contributions to the study of molecular shapes by electronic methods.

William C. Wineland, formerly chief of the electrical influences branch at the U. S. Naval Ordnance Laboratory, has been appointed chief of the weapons analysis division in the technical evaluation department at NOL.

Robert M. Witmer has been made a full professor and **Edward L. Long** has been advanced from assistant to associate professor in Rensselaer Polytechnic Institute's physics department.

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