

Elizabeth A. Wood, member of the advisory committee to *PHYSICS TODAY*, has retired from her position as staff scientist at Bell Laboratories.

N.G. Van Kampen of the Instituut voor Theoretische Fysica der Rijksuniversiteit, Utrecht, Netherlands, will be visiting physics professor at Howard University during the fall semester, 1967-68.



TOWNES

Charles H. Townes, Nobel Laureate, former provost and currently Institute Professor at MIT, has been named Professor-at-Large in the University of California. He

will be affiliated with the physics department at Berkeley.

The physics department at Indiana University has made the following changes for the coming academic year: **James C. Swihart** was promoted to full professor; **Ethan D. Alyea Jr.**, **Paul P. Singh** and **John G. Wills** were promoted to associate professors; **Bryce M. Bardin**, **Frank Franz**, **Kenneth F. Galloway**, **Fred M. Lurie** and **Lawrence S. Schulman** were appointed assistant professors. In addition, **Jun-ichi Fujita**, **Philip E. Seiden** and **Clasine van Winter** will hold visiting professorships.

Nunzio Tralli, professor of physics and chairman of the department at C.W. Post College of Long Island University, was appointed director of the division of science. **Martin J. Kelly** succeeds him as department chairman.

Murray Lampert and **Peter Mark** have been appointed professor and associate professor, respectively, in the department of electrical engineering at Princeton University. Both men were formerly with RCA Laboratories in Princeton.

Charles W. Burmeister, chairman of Trinity University physics department was named regional counselor for

Texas by the American Institute of Physics and the American Association of Physics Teachers. As regional counselor, Burmeister will work with high school and college physics teachers in Texas to stimulate interest in physics and launch new programs in physics education.

The University of Nebraska has made the following appointments: visiting professor **Kenneth Smith** to professor; visiting associate professor **John R. Hardy** to associate professor; visiting associate professor **Sjur Refsdal** to associate professor; **Robert J. Hardy**, formerly of the University of Oregon, to assistant professor; **Renan A. Poveda**, of Mexico, to visiting professor for the spring semester, 1967-68.

The National Academy of Sciences elected the following physicists to membership in the society: **Philip W. Anderson** (Bell Telephone Labs), **Raymond L. Bisplinghoff** (MIT), **Robert H. Dicke** (Princeton University), **Vernon W. Hughes** (Yale), **Martin Karplus** (Harvard), **Francis E. Low** (MIT), **Karl Meyer** (Cal Tech), **Guido Munch** (Cal Tech), **Eugene N. Parker** (U. of Chicago), **Edwin E. Salpeter** (Cornell), **Robert L. Sinsheimer** (Cal Tech), **Charles P. Slichter** (U. of Illinois), **Anthony Turkevich** (U. of Chicago), **C. J. Gorter** (State U. of Leyden and Kammerlingh Onnes Laboratory), **Ilya Prigogine** (Free University of Brussels), **Carl Wagner** (Max Planck Institute).

Within the solid state and materials program at Princeton University **Thomas R. Carver** and **William B. Daniels** have been promoted to full professor of physics and solid state sciences, respectively. **Stephen E. Schnatterly** was promoted to assistant professor of physics.

The physics department of Mount Holyoke College appointed **Thomas W. Moore**, formerly of the General Electric Research Laboratories at Schenectady, associate professor. **John W. Durso**, recently a research as-

sociate at Michigan State University, was named assistant professor and director of computer studies.

Delo E. Mook has joined the Lawrence University physics department. Mook is a PhD candidate in astrophysics from the Yerkes Observatory of the University of Chicago. Promotions in the department include **J. Bruce Brackenridge** to professor and **Fred T. Phelps** to associate professor and department chairman. **David M. Cook** will become assistant professor.

David Z. Robinson, a member of President Johnson's Office of Science and Technology, has been named vice president for academic affairs at New York University.

Knox College announced the appointment of **Lewis S. Slater** as dean of the college and vice president for academic affairs, effective 1 Feb. 1968. He is now professor of physics at Wabash College.

Daniel J. Horen has been named head of the accelerator branch at the US Naval Radiological Defense Laboratory in San Francisco.



GINGRICH

The American Association of Physics Teachers and the American Institute of Physics have named **Newell S. Gingrich**, professor at the University of Missouri in Columbia, as Associate Regional Counselor for the State of Missouri. He will work with **Alexander Calandra**, who is Regional Counselor for Missouri.

Menahem M. Schiffer, an authority on complex variables and conformal mapping, has been named to the Robert Grinnett Professorship of Mathematics at Stanford University.

The national offices of the Commission on College Physics will move from the University of Michigan to the department of physics and astronomy at the University of Maryland. Ac-

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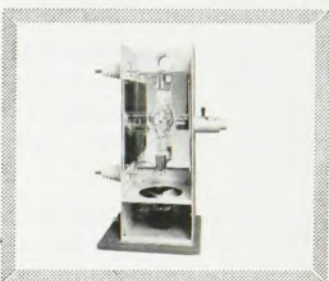
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companying the Commission to its new location will be **John M. Fowler**, director, and staff physicist **Ben A. Green Jr.**

William Markowitz Given Top Navy Science Award

William Markowitz, professor at Marquette University, received the Navy's highest scientific award, the Captain Robert Dexter Conrad gold Medal, at the 124th meeting of the American Astronomical Society. Markowitz, who was director of the Time Service of the US Naval Observatory from 1953 until 1966, was cited by the Secretary of the Navy for his contributions to the fields of astronomy, chronometry, geodesy, communications and navigation. The Conrad Award is named in honor of Captain Robert Dexter Conrad, who was head of the planning division of the Office of Naval Research when it was founded in 1946.

H. Richard Crane Awarded Davisson and Germer Prize

The American Physical Society's Davisson and Germer Prize was given to University of Michigan physicist H. Richard Crane at the summer meeting of the APS in Toronto. The prize of

\$2500, sponsored by Bell Telephone Laboratories, is awarded biennially for outstanding research on the electron. It was presented to Crane for inventing a unique and direct method of measuring the g factor, the ratio of the magnetic moment and spin of the free electron.

The method consists of trapping polarized electrons in a magnetic field



CRANE

and then scattering them through a gold foil into a Geiger counter. The number scattered into the counter depends on their final direction of polarization. A plot of the intensity versus the trapping time is a cosine curve whose frequency is the difference between the orbital and spin precession frequencies. This beat frequency is a direct measure of the g-factor anomaly. In this way, Crane was able to

measure the g factor to an accuracy of two parts in 10^8 .

Crane, who was past president of the AAPT, was a pioneer in the development of high-energy accelerators, and during World War II did extensive work leading to the design of the proximity fuse. He is now working on the measurement of the positron g factor.

Reynolds Receives NAS J. Lawrence Smith Medal

John H. Reynolds, professor of physics at the University of California at Berkeley, was awarded the National Academy of Sciences J. Lawrence Smith Medal for outstanding achievement in the investigation of meteoric bodies. The award is based principally on Reynold's studies of xenon isotopes in meteorites, which established with comparative precision the timing of certain events occurring in the primitive solar system before the earth was formed. By measuring the decay in meteorites of radioactive I^{129} into Xe^{129} , he has established, according to one theory of element formation, that the time between the last addition of elements to the solar system and the formation of meteorites (and, by extension, of the earth and other planets) was about 60 million years—less time than was thought possible.

Salwa Nassar, College Head, Dies After Long Illness

Salwa Nassar, president of Beirut College for Women, died on 17 Feb. after a prolonged bout with leukemia. Nassar, known on both a national and international scale as prominent mathematician and nuclear physicist, received her BA degree with distinction at American University of Beirut in 1938. Following one year of teaching physics in Iraq, Nassar attended Smith College in the US, where she received her MA. Her PhD degree was obtained from the University of California at Berkeley.

In 1945 Nassar joined the faculty of Junior College, as Beirut College for Women was then called. During 1945-49 she established a science department at BCW and in 1950 joined the faculty of American University of

Beirut, where she served in the physics department as professor and chairman. In 1965 she took a leave of absence to preside at BCW.

For many years Nassar's pet idea was to found the Lebanese National Council for Scientific Research. She began her efforts in 1952; in 1962 the council was established. Since 1955 Nassar represented Lebanon in more than 10 international conferences, including the Atoms for Peace conferences organized by the UN.

Francis Bitter, Authority on Magnetism, Was MIT Physicist

Francis Bitter, a leading authority on magnetism and a member of the faculty of the Massachusetts Institute of Technology for 33 years, died at the Cape Cod Hospital on 26 July. He was born in Weehawken, N. J. and

received his bachelors degree from Columbia University in 1924. After a year of study in Berlin, he returned to Columbia, where he was awarded the doctorate in 1928. Bitter joined the Westinghouse Research Laboratories in 1930. Under a Guggenheim Fellowship he spent 1933-34 at Cambridge University, after which he returned to the US to become associate professor at MIT. He became full professor in 1951 and was appointed associate dean of science in 1956. He resigned in 1960 to devote full time to the planning of the National Magnet Laboratory. He was 65 years old.

At the request of PHYSICS TODAY, I. I. Rabi wrote the following:

Francis Bitter was an example of the whole man which our colleges try so hard to produce and are so rarely successful. As a scientist he worked