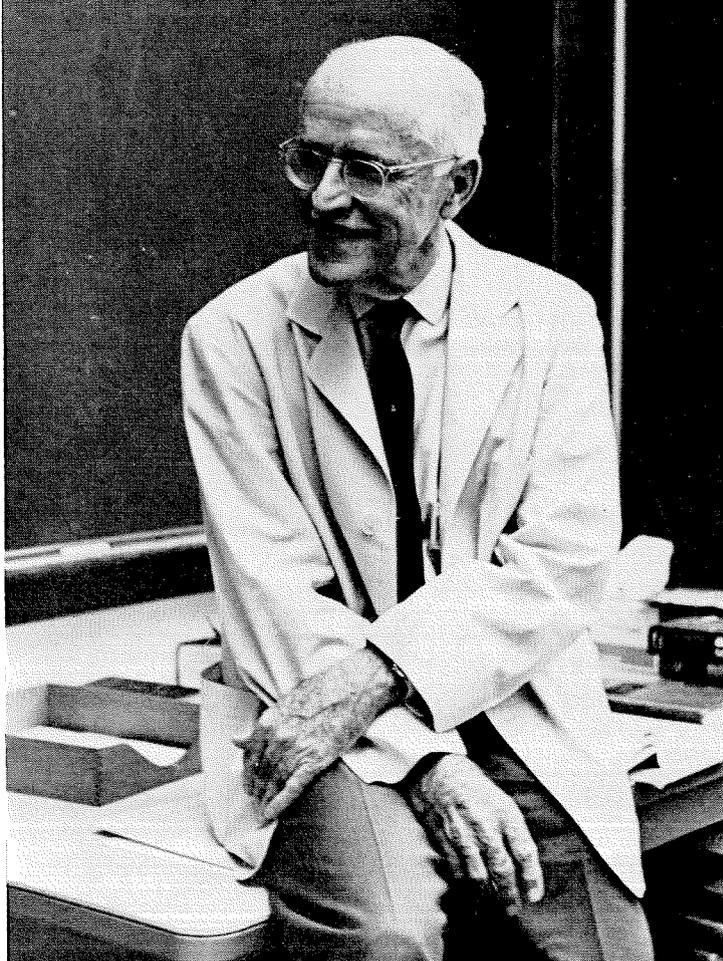


## ERNEST H. SWIFT

*professor of analytical chemistry*

Dr. Swift will become professor emeritus this month when he retires after nearly 50 years at the Institute. He received his BS from the University of Virginia in 1918 and came to Caltech (then Throop College of Technology) the following year—the year Arthur Amos Noyes became director of chemical research. Dr. Swift received his MS from Caltech in 1920 and joined the faculty that same year as an instructor in chemistry. In 1924 he was awarded his PhD, in 1928 became assistant professor, in 1939 associate professor, and in 1943 professor of analytical chemistry. He served as interim chairman of the division of chemistry and chemical engineering from 1958 to 1963, and as chairman of the faculty from 1963 to 1965. During World War II, Dr. Swift was an official investigator for the office of scientific research and development, working on problems related to the identification of chemical warfare agents and their detection in the field. He was also a pioneer in the development of coulometric methods of analysis, in which an electric current is used to measure chemical elements. An avid tennis player, Dr. Swift will now have more time to pursue his favorite sport, although he plans to maintain an office on campus in order to continue work on the revision of his textbook on quantitative analysis.



## RETIRING THIS YEAR



## OLIVER R. WULF

*research associate in physical chemistry*

After 22 years at Caltech, Dr. Wulf retires this month as research associate emeritus. He is the first research associate of the Institute to be awarded this status. Dr. Wulf received his BS from Worcester Polytechnic Institute in Massachusetts and his MS from American University in Washington, D.C. After obtaining his PhD from Caltech in 1926, he spent 11 years with the U.S. Department of Agriculture, rising to the position of senior physicist in the Bureau of Chemistry and Soils. In 1939 he moved to the Weather Bureau as senior meteorologist, and, as a member of the Bureau, was a research associate at the Institute of Meteorology at the University of Chicago from 1941 to 1945. In 1945, still as a member of the Weather Bureau (and later under the Environmental Science Services Administration), he joined the Caltech staff as research associate in physical chemistry, where he has carried on an enthusiastic research program in solar-terrestrial relationships, geomagnetism, and large-scale circulation of the atmosphere. This work won him election to the National Academy of Sciences in 1949. In April of this year, Dr. Wulf retired from his government post after 41 years of service. He and his wife, Bea, who served as secretary of the division of chemistry and chemical engineering until last year, have left on an extended tour around the world by freighter. When they return, Dr. Wulf will resume his research at Caltech.