

Perhaps his greatest role was as a teacher in choosing bright young men and encouraging them. In the 1940's the majority of the leading physical chemists in the United States were from Berkeley.

He received many honors and belonged to both the National Academy of Sciences and the Russian Academy of Sciences. Despite a dozen Nobel prizes to his students in the fifteen years following his death, he was never so honored. His teacher, T. W. Richards, was the first American scientist to receive the prize.

Prof. Lewis died suddenly while working in his beloved laboratory on March 23, 1946, at the age of 70.

## **Nuclear Pioneer Lecturer Willard Frank Libby**

Willard Frank Libby, Professor of Chemistry at the University of California at Los Angeles and Director of the Institute of Geophysics and Planetary Physics was born in Grand Valley, Colorado in the year 1908. He received his Ph.D. in Chemistry at the University of California in Berkeley in 1933 and almost immediately began that inquiry into environmental and low-level radioactivity which has characterized his continuously distinguished career in the world of science.

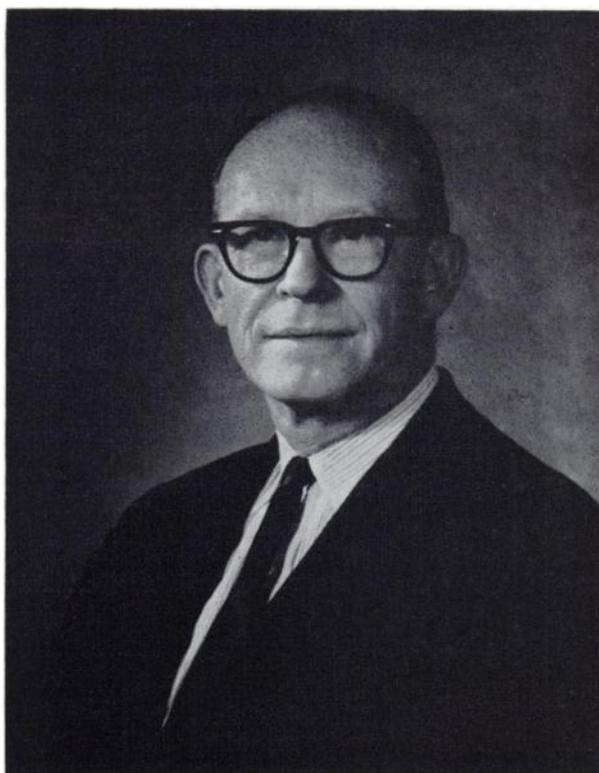
Professor Libby, a physical chemist specializing in radiochemistry, in particular hot-atom chemistry employing isotope-tracer techniques, became exceedingly well-known at the University of Chicago during the years 1945 to 1959 for his work on natural carbon-14 and its application to dating of ancient archaeological artefacts. Similarly, he discovered the natural cycle of tritium and its important use in dating water movements on the earth. Because of his ingenious work, especially on carbon dating, he was awarded the Nobel Prize in Chemistry in 1960.

Professor Libby was appointed a member of the United States Atomic Energy Commission in 1954 and continued to serve in that capacity until 1959. In addition, he has given generously of his knowledge and time by serving on various boards and committees. In recognition of such service as well as his scholarly achievements, Professor Libby has been honored many times. Seven universities, including Trinity College of the University of Dublin and the University of Newcastle Upon Tyne, have awarded him the honorary degree of Sc.D. He was a Guggenheim Fellow in the years 1949, 1959, 1959-62, and since 1960 has been a member of the Advisory Board of the Guggenheim Memorial Foundation. In 1951 he received the Research Corporation Award for discovering the radiocarbon dating technique; in 1954, the Chandler Medal of Columbia University for outstanding achievement in the field of chemistry; in 1955, the Remsen Memorial Lecture Award; in 1956, the City College of New York Bicentennial Lecture Award, and the American Chemical Society Award for nuclear applications in chemistry; in 1957, the Elliott Cresson Medal, Franklin Institute; in 1958, the Willard Gibbs Medal of the American Chemical Society; in 1959, the Albert Einstein Medal, and the Priestly Memorial Award of Dickinson Col-

lege; in 1961, the Day Medal of the Geological Society of America; and in 1963, Professor Libby was designated the California Alumnus of the Year.

Professor Libby is a member of the National Academy of Sciences, the Royal Swedish Academy of Science, American Philosophical Society, American Academy of Arts & Sciences, Heidelberg Academy of Sciences and many professional societies and fraternities. He is the author of "Radiocarbon Dating" and of many articles for scientific journals.

Above all, Professor Libby is a warmhearted, generous human being dedicated to his students and friends and to the advancement of human welfare through application of the rational process which is science.



**WILLARD FRANK LIBBY**  
**PROF. OF CHEMISTRY, U.C.L.A.**