He was honored in particular for his services as Scientific Deputy Commander, Joint Task Force Eight, during the preparations for and conduct of the 1962 overseas nuclear tests.

William E. Ogle

Dr. Ogle has been associated with LASL since 1944, the year in which he received his PhD in physics from the University of Illinois, and has participated in every test operation in the Pacific and at the Nevada Test Site. During 1959, he also served as an Atomic Energy Commission delegate to the Geneva Conference on Nuclear Test Suspensions.

Dr. Ogle is a fellow of the American Physical Society.

Underwater Acoustics Medal

During the fall meeting of the Acoustical Society of America at the University of Michigan last November, the Society honored J. Warren Horton with its 1963 Pioneers of Underwater Acoustics Medal.

Dr. Horton was cited "for his pioneering contributions to the knowledge and practice of underwater acoustics as scientist, teacher and administrator; and particularly for his painstaking and thorough organization of the science of underwater acoustics and its presentation in the book *Fundamentals of Sonar*".

A native of Ipswich, Mass., Dr. Horton holds a degree in electrical engineering from the Massachusetts Institute of Technology. During World War I, while on leave from the Bell Telephone Laboratories, he served the government as a technical expert in underwater acoustics, first at the Naval Experimental Station in Nahant, Mass., and later at US Naval Headquarters in London. Returning to Bell Laboratories after the war, he headed a group working on the development of multiplex telephony and telegraphy by means of carrier currents. During this period, he also developed electromechanical oscillating systems as sources of electric waves of constant frequency, his work bringing about a significant advance in the technology of timekeeping. In 1926, he provided equipment to A. A. Michelson for timing the rotating mirrors used in measurements of the velocity of light. From 1928 to 1933, Dr. Horton served as chief engineer with the General Radio Company and in the latter year joined MIT as a research associate. He was appointed associate professor of biological engineering in

J. Warren Horton

1937, and with the entry of the United States into World War II in 1941, he joined the staff of the Underwater Sound Laboratory, at that time operated by the Columbia University Division of War Research. There, he worked on the development of sonar detection devices and was responsible for the Laboratory's efforts in the field of underwater acoustic communications.

Dr. Horton returned to MIT in 1945 as an associate professor of electrical communication and in 1949 rejoined the Underwater Sound Laboratory as its chief research consultant. In 1959 he was named the Laboratory's technical director from which post he has just recently retired. For his many contributions during the war, Dr. Horton was awarded the Joint Army-Navy Certificate of Appreciation in 1948; in 1958, he was honored by the Navy with its Distinguished Civilian Service Award. He is a fellow of both the Acoustical Society of America and the American Physical Society.

The Pioneers of Underwater Acoustics Award is named for five early workers in the field, H. J. W. Fay, Reginald A. Fessenden, Harvey C. Hayes, Paul Langevin, and G. W. Pierce. It is presented by the Acoustical Society in the fall of odd-numbered years to any individual, irrespective of nationality, age, or society affiliation, who has made an outstanding contribution to the science of underwater acoustics as evidenced by publication of research in professional journals or by other accomplishments in the field. Previous recipients of the award have been Harvey C. Hayes (1959) and Albert B. Wood (1961).

Acoustical Society Dues

The Acoustical Society of America has announced the following new rates for annual dues: fellows and members, $20; associates, $15; associates after the 5th year, $20; students $5 (after 3 years, $15 for a period of not more than 2 years; thereafter $20); sustaining members, $200.

Further information can be obtained from the Society's secretary, Wallace Waterfall, at the American Institute of Physics, 335 East 45th Street, New York 17, N. Y.