

THE UNIVERSITY OF MICHIGAN

Regents Communication

Approved by the Regents

May 19, 2006

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Byron P. Roe, Ph.D., professor of physics in the College of Literature, Science, and the Arts, will retire from active faculty status on May 31, 2006.

Professor Roe earned his B.A. degree at Washington University in 1954 and his Ph.D. degree at Cornell University in 1959. He joined the University of Michigan faculty in 1959 as an instructor in physics and was promoted to assistant professor in 1961, associate professor in 1964, and professor in 1969.

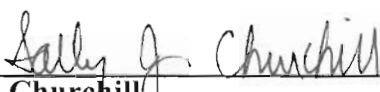
Early in his career at Michigan, Professor Roe worked with Nobel Laureate Donald Glaser's bubble chamber group at the Lawrence Berkeley National Laboratory, then carried out other studies at the Brookhaven National Laboratory and at the Argonne National Laboratory. At the Fermi National Accelerator Laboratory, he organized the first studies of neutrino interactions in a hydrogen bubble chamber, and later, with collaborators from the Soviet Union, he studied anti-neutrino reactions in a heavy liquid chamber. He also led a major Fermilab collaboration that studied prompt neutrino production with a large electronic counter experiment, as well as a subsequent higher-energy experiment combining both bubble chamber and counter technologies.

In 1983 Professor Roe and other Michigan colleagues joined the L-3 collaboration at the Large Electron Positron (LEP) Collider at the European Laboratory for Particle Physics (CERN), where they played a major role in the design of the hadron calorimeter for the L-3 detector. After LEP began operating in 1989, Professor Roe led a Michigan team that measured the properties of many fundamental elementary particles and also searched for predicted new particles. Since 1998 Professor Roe has carried out research on the Mini-Boone Experiment at Fermilab in a search for exotic oscillations of neutrino species.

Professor Roe chaired or co-chaired the dissertation committees of 15 graduate students. He is the author of two widely-used graduate textbooks, one on experimental particle physics, the other on statistics in experimental physics. He is a Fellow of the American Physical Society and has served on many national and laboratory advisory boards, review committees, and panels.

The Regents now salute this distinguished scholar by naming **Byron P. Roe professor emeritus of physics**.

Requested by:



Sally J. Churchill

Vice President and Secretary of the University

May 2006