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we hear that

Promoted to professor at Emory University is **Allen K. Garrison**.

Arnold R. Fritsch has been named president of Gulf United Nuclear Fuels Corp.

Yoichiro Nambu and **Valentine L. Telegdi** have been named Distinguished Service Professor at the University of

Chicago. This honor, the highest bestowed by the university, signifies outstanding achievement both to the University and to the academic world as a whole.

North Texas State University has appointed **Rogers W. Redding** and **Bernard McIntyre** as assistant professors. **M. E. Anderson**, professor of physics, is now also associate vice-president for academic affairs.

obituaries

Arthur G. Rouse

Arthur G. Rouse, professor at St. Paul University, died on 4 April at the age of 60.

Rouse, who had been with the university since 1937, conducted summer institutes there for high-school physics teachers funded by the National Science Foundation. In 1967 and 1968, Rouse took leaves from the university to serve as a consultant for the National Science Foundation to universities in India. He conducted institutes for high-school physics teachers there, instructing them in new teaching materials and techniques and in several complex areas of physics.

Indonesia as professor of physics at Gadjah Mada University. When he returned home, he was one of 20 engineers comprising the Engineering Advisory Council reporting to the president of the University of California on the engineering colleges of the seven University of California campuses.

Leonard I. Schiff

In the midst of a full life Leonard I. Schiff, professor of physics at Stanford University, suffered a fatal heart attack on January 19 at the age of 55. Deeply grieved, his colleagues suddenly lost a devoted friend whose qualities are evident in the perfect union of his achievements as scientist, teacher and statesman.

The scientific work of Schiff presents an impressive view of his universality. In this age of extreme specialization he belonged to the very few theorists whose contributions cover almost the entire range of physical phenomena. While some of them only attracted his temporary attention, there are several topics in which he was permanently interested so that he returned to them at various stages of his development.

Starting with his thesis under Philip Morse, which he completed when he was 22 years old, the scattering of particles in collisions is a recurrent "Leitmotif" of his later work. With characteristic foresight and interest in the work of his colleagues he emphasized, in a technical report written in 1949, the information to be gained from the elastic scattering of high-energy electrons. The present linear accelerator at Stanford's High Energy Laboratory was at that time still in the early stages of construction but his considerations provided much of the stimulus to Robert Hofstadter and his collaborators in their important work that later revealed the distribution of charge and current in nuclei. The first major publication of their data was directly followed by a paper of Schiff's

Niels E. Edlefsen

Niels E. Edlefsen, applied physicist and retired engineering executive, died on 21 March at the age of 78.

While working on his PhD at the University of California at Berkeley in 1930, Edlefsen applied some of E. O. Lawrence's ideas on periodic acceleration of protons to build several six-inch models of what later became known as the cyclotron. After receiving his degree, Edlefsen taught at the Agricultural Experiment Station and studied the physics and chemistry of soils. During World War II, he was appointed project engineer for a new surface-search radar for PT boats. After the war Edlefsen spent a year as director of research for Raytheon Company before joining North American Aviation to develop inertial navigation devices. Under his direction, his guidance section of North American grew into the electro-mechanical division with several hundred engineers and other hundreds of supporting personnel. In 1955 Edlefsen became vice-president of Vickers Corp, a division of Sperry Rand, where he was responsible for reorganizing and revitalizing Vickers' research and engineering. After retirement, he spent two years in