Dr. Kenneth Cuyler Dies at 75

DR. W. KENNETH CUYLER

Dr. W. Kenneth Cuyler, whose scientific interests spanned nearly 70 years and ranged from observations on the habits of snakes and skunks to all aspects of cervical cancer, died of cancer himself here Monday at 8:45 p.m. He was 75.

Dr. Cuyler retired as professor of obstetrics and gynecology at the medical center in August, 1970, and had been in declining health for the past two years.

He was admitted to the hospital on June 12.

Surviving are his wife, Mrs. Julia Anna Cuyler of 3706 North Garrett Road in Durham, his son Robert Duncan Cuyler of the same address and a sister, Dr. Iona Hamlett of Ft. Wayne, Ind.

A memorial service for the scientist was held in Duke Chapel yesterday afternoon. His family has asked that in lieu of flowers, donations by made to the W. Kenneth Cuyler Education and Research Fund in Gynecologic Cancer.

He established the fund himself with a large contribution to the university in 1973.

Born in Austin, Tex., in October, 1900, Dr. Cuyler earned a bachelor of arts degree at the University of Texas in 1923. Before continuing his education, he embarked on a 31-month voyage aboard a sailing ship to Africa, South America and islands in the South Atlantic to collect zoological speciments for the Cleveland Museum of Natural History.

Details of the voyage occupy more than half of the July, 1927, issue of the National Geographic Magazine, and in the article, the leader of the expedition credited his young assistant with saving the three-masted schooner in a gale.

In 1929, he earned a masters degree in histology and embryology at Western Reserve University, and between that year and 1938, he served as director of the clinical laboratory at the Cleveland Clinic Foundation.

Dr. Cuyler joined the Endocrine Division of the Department of Obstetrics and Gynecology here in 1938 and earned a Ph.D. in physiology and biochemistry at the university in 1941.

Before his retirement he authored or co-authored several book chapters and more than 100 scientific papers including 40 on basic and clinical endocrinology with the late Dr. E. C. Hamblen and 30 on genital cytology.

"Dr. Cuyler was a man of many interests, indeed a Renaissance man," said Dr. Roy T. Parker, F. Bayard Carter Professor and chairman of obstetrics and gynecology.

"His scientific career included three phases," Parker said. "He began with an interest in all animal and plant life, particularly in reproductive phenomena, and then progressed to endocrinology.

"After World War II, he studied under Dr. George Papanicolaou at Cornell University and returned to Duke to establish the Genital Cytology Laboratory and to launch a study which has encompassed some 115,000 patients and 600,000 "Pap" smears in the past 25 years.

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New Hyperbaric Chamber at F.G. Hall Lab Will Simulate 3,500 Foot Ocean Depths

Man's exploration of ocean depths, severely limited because of physical and emotional problems encountered in the alien environment, presents a challenge which some medical researchers believe is greater than that of putting a man on the moon.

Largely because of rapidly increasing water pressure, they say, and the effects it has on a man's physiological makeup, as a diver descends he is faced with dramatic changes in his capacity to think clearly and to function effectively.

To help study these problems, Duke will build experimental chambers capable of simulating conditions 3,500 feet beneath the sea — a depth capacity unmatched in other hyperbaric (high pressure) chambers in the United States.

Duke now has a 1,000-foot capacity chamber which has been used in diving experiments for several years.

Researchers here point out that man's oceann probes are modest compared to the altitudes he has reached in space.

Space Travel

Space travel has taken man a quarter of a million miles from the earth's surface. Thus far, his deepest penetration of the ocean depths was 35,800 feet in a dive by the Navy in which two men went to the bottom of the Marianas Trench in the southwest Pacific.

In that dive, however, the men were enclosed in a pressurized research venhicle, breathing essentially normal air.

Free-swimming divers face far greater limitations. When they descend their bodies must make adjustments to the pressures and to the cold, and because of these

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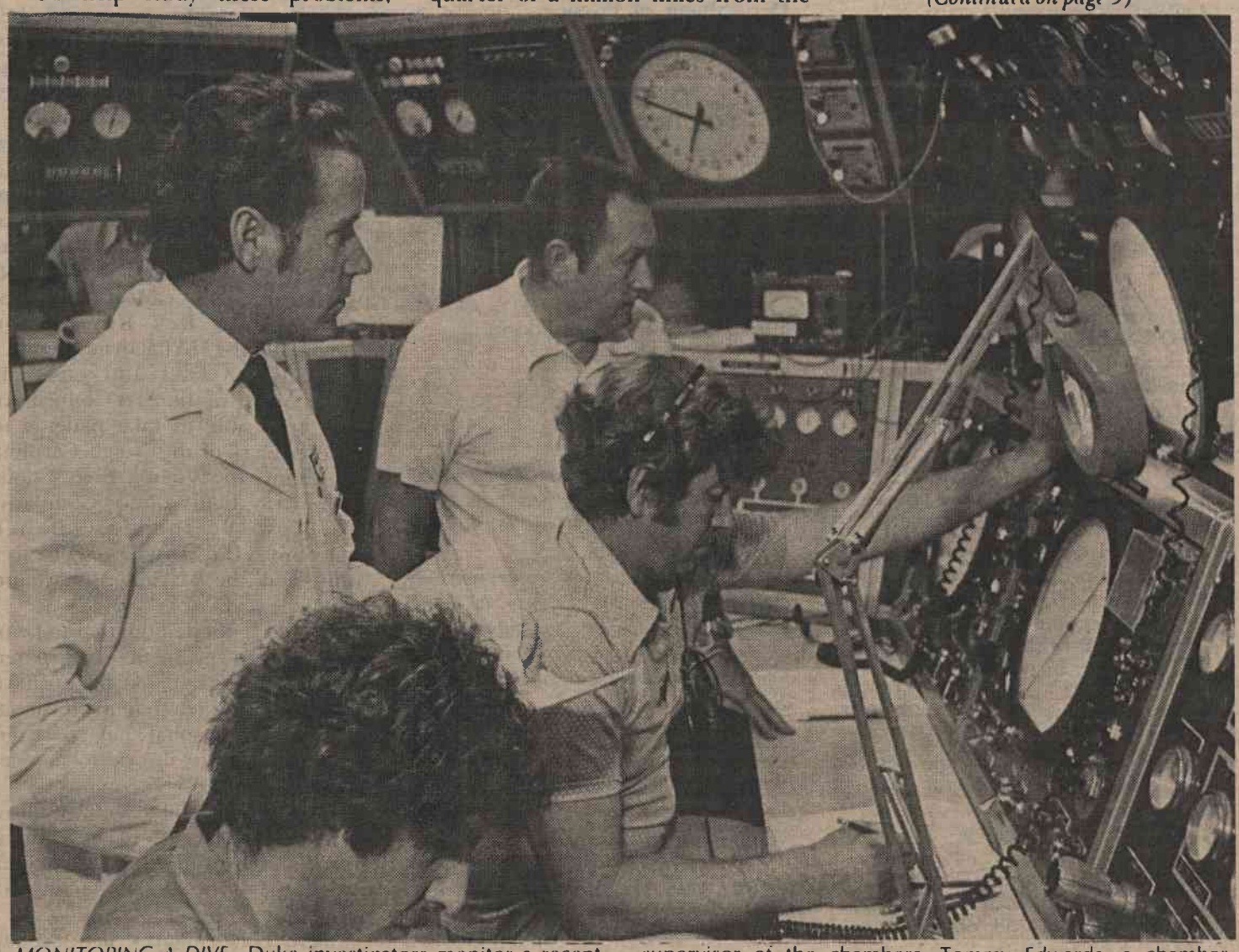

MONITORING A DIVE—Duke investigators monitor a recent simulated dive to 1,000 feet under the sea in the hyperbaric chambers. Standing at left is Dr. Peter Bennett, director of diving research, and standing beside him is William Greeman, supervisor of the chambers. Tommy Edwards, a chamber operator, mans the console while Owen Doar, another chamber operator, works in the foreground. *(Photo by Thad Sparks)*

Hospital Audiences Completes Twelfth Show, Plans More

Hospital Audiences, Inc., (HAI), the non-profit service organization that mobilizes and channels the cultural resources of the community for the benefit of the institutionalized and disadvantaged, is now in its eighth month at the hospital.

Since December 10, the organization has brought 12 different performing arts groups to entertain patients here, and on Wednesday, July 21, at 8 p.m., it will sponsor concert pianist Ruth Price in a Courtyard Cafeteria recital.

HAI's most recent offering at the hospital was a performance entitled "Eurythmy," staged by members of a Durham Arts Council class in interpretive movement.

Psychiatric patients served as hosts for the June 27 event in their third floor day unit, and children on the pediatric wards and their parents were the guests.

Sue Hodges, pediatric recreation therapist, said the performance particularly impressed the children because it featured players dressed as birds, bears, mice and lions. It also included a humorous skit about being in a hospital.

"The performance was good for us because it was geared to children," she said. "And the music was

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