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Duke Announces Dive Ends Today Six Promotions

Five Duke physicians have been promoted to full professor and one to associate professor.

The new professors, all in the Department of Psychiatry, are Drs. Everett Ellinwood Jr., Robert L. Green Jr., Eric A. Pfeiffer, John B. Reckless and William W. Zung.

Dr. Charles B. Hammond was promoted to associate professor of obstetrics and gynecology.

Ellinwood received his B.S. and M.D. degrees from the University of North Carolina at Chapel Hill. He served his residency in psychiatry at North Carolina Memorial Hospital in Chapel Hill and came to Duke in 1965 as a research fellow in psychiatry.

Prior to his arrival at Duke, he was chief of the Female Addiction Service at the United States Public Health Service Hospital in Lexington, Ky., and a consultant at the Mental Health Clinic in Frankfort, Ky. At Duke Ellinwood also holds an appointment as assistant professor of pharmacology.

Green, of Fairfield, Ala., came to Duke in 1958 as an assistant in psychiatry. He obtained his B.S. degree from the University of Alabama in Birmingham and M.D. degree from Hahnemann Medical College in Philadelphia, Pa., in 1946.

After having a private practice in Birmingham, he worked at the Veterans Administration Kennedy Hospital in Memphis, Tenn., and the Veterans Administration Hospital in Durham where he presently holds the position of chief of psychiatry.

A native of Rauental, Germany, Pfeiffer received his A.B. and M.D. degrees from Washington University in St. Louis, Mo. He served his internship in internal medicine at the Bronx Municipal

(Continued on page 4)

Welcome Back Up, Boys!

Six men who have been on a long trip, but have never moved more than a few feet, are due back today.

They are the six divers who, since Thursday morning, Jan. 10, have been locked in Duke's hyperbaric chamber for a series of deep-pressure dives and tests that may provide some more answers to how man can function in the deep sea. The project is called "Deep Work 1000."

According to the timetable of the dive, the men are scheduled to walk out of the chamber sometime this afternoon.

There will be eight coming out whereas only six went in initially. That's

because two other people—Dr. Douglas Blenkarn, of Duke's departments of anesthesiology and physiology-pharmacology, and Technician "Butch" Doar—locked into the chamber with the divers last Sunday to do a series of blood gas analyses on the divers.

The six divers are Robert J. (Dutch) Ritter of St. John's, Newfoundland; Charles H. (Chuck) Meyer Jr. and Richard C. (Chris) Tietze of Ft. Pierce, Fla.; Navy LCDR John T. Atwell of Vero Beach, Fla.; and Pete Maddison and Geoffrey Baker from England.

Ritter, Maddison and Baker work for Oceaneering International, Inc., of Houston, Tex.; Meyer and Tietze and with the Smithsonian Institution; and Atwell is with the National Oceanic and Atmospheric Administration.

In addition to those organizations and Duke, other sponsors of the dive are the University of Florida Communication Sciences Laboratory, Harbor Branch Foundation and the Naval Medical Research Institute.

Early in their dive, the men were taken to pressures equivalent to 870 feet beneath the sea. From that level, they made what are called "excursion dives" of two hours each to the maximum pressure depth of the chamber, 1,000 feet.

The pressure experienced at 1,000 feet under the sea is 446 pounds per square inch of the body's surface.

One tall tale that was told around the medical center last week related how the pressure in the chamber squeezed the divers' bodies into a fraction of their normal size.

This, of course, is not true. The human body very quickly becomes equalized to deep-sea pressures, meaning that, in

(Continued on page 3)



KEEPING IT ALL TOGETHER—Dr. L. Sigfred Linderoth Jr., professor of mechanical engineering at Duke, checks some readings from hyperbaric chamber tests during "Deep Work 1000," which is scheduled to end today. Linderoth has served as coordinator and manager of the dive. Behind him is Dr. Howard Rothman of the University of Florida. *(Photo by Dale Moses)*