



FINDS LOST CHILD-Rusty, an Irish setter, is the hero in a search for Kai Benjamin, 5, left, who was lost for 24 hours in a densely wooded area near Gaylord, Mich. Ray Loshaw, 52, right, owner of the dog, was handling the animal when they came upon the child, whose father, Royce Benjamin, is shown in the center. (UPI)

Men Spend Week Living in Chamber

Overbrook, Pa. (UPI)—Scores of young men from all walks of life have been living in a "chamber of discomfort" here for a week or more at a time in the interest of medical science — and for \$10 a day plus room and board.

Wearing practically no clothing, they have been living in near-freezing temperatures, with their every movement scrutinized and their every word monitored.

The purpose of their voluntary isolation, at Lankenau hospital, is to determine the effects of temperature and moisture on body changes and disease, and of diet under prolonged cold.

The test subjects have included artists, gas station attendants, truck drivers and college students between semesters. They are recruited through want ads in newspapers and accepted for the test if they pass rigid physical and psychological examinations.

Subjects Harassed

Clad only in socks and shorts, the subjects spend as long as 10 days in a precisely controlled environmental test suite built for Lankenau by Tenney Engineering, Inc., of Union, N.J. Temperature in the main room is kept constant at 44 degrees but, because the subjects are lightly clothed, it's the same as if they were living in an Arctic 40-below with adequate garb. Each subject is harnessed

with a maze of wires that signal every bodily change. A team of scientists studies and evaluates their physiological and psychological reactions, blood pressure, heart rate, oxygen consumption, carbon dioxide exhaled, thermal balance and metabolic patterns. Blood samples are taken frequently and a two-way communication system monitors the subjects' every sound, to gauge their moods.

Lankenau's chamber of discomfort consists of a combination living-dining room about the size of a master bedroom, and an exercise room. In the living room, the subjects lounge on open web cots and chairs, listen to the radio, watch television, read and play chess or checkers. When sleeping, they must lie on cots without mattresses because a mattress is a form of insulation. To provide a minimal amount of warmth for sleeping, a single military-type blanket is provided.

Twice a day, the subjects take a "walk" — on a treadmill in the exercise room. A nurse brings food at regular intervals — four tightly-controlled experimental diets. Each subject must consume all the food served to him.

Rooms Are Screened

The rooms, in which the temperature can range from 40 degrees to a scorching 120 degree Fahrenheit, are kept at the noise level of a quiet hospital room. They are screened against electrical interference, so that the delicate measuring apparatus will not be disturbed.

The experiments have shown that regardless of the differences in diet, a marked deterioration occurs by the fifth day. At that point all shiver almost continuously, their pulse rates rise an average of 28 beats a minute and they all suffer some degree of cold injury, in the form of painful extremities.

But despite their discomfort, subjects' morale has remained high throughout. "It was a challenge," said one, "and I was anxious to see if I could take it."

Consideration of Brown's Program Begins To Move

Sacramento (UPI)—The California legislature, after a brief halt, began to move again today toward consideration of Gov. Edmund G. Brown's tax reform program.

State Sen. Virgil O'Sullivan (D-Williams), author of the program in the upper chamber, said he was ready to introduce the administration's bill to establish a state withholding system for personal income taxes Jan. 1, 1965.

The lawmaker also was prepared to place before the Senate bills to:

—Accelerate the gross premium insurance tax and boost the state's revenue by \$44 million during the current fiscal year.

—Switch from the insurance fund to the state's general fund money from the surplus line brokers tax. This would bring the state an additional \$500,000 a year beginning next fiscal year.

Already introduced were two other parts of the Governor's \$147.3 million tax reform package — a bill to abolish installment payments on personal income taxes and one to accelerate the bank and corporation tax.

For an unexplained reason, O'Sullivan delayed probably until next week other bills to cancel income tax liability for 840,000 small taxpayers whose payments would be less than \$5, and to decrease the gift tax exemption.

Death of a Sub Killer

Off our Florida shore, a U.S. blimp sights a German U-boat and attacks; here on the 20th anniversary of the encounter is a thrilling, little-known chapter from World War II.

Don't miss this exciting battle-to-the-death adventure in the

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