

Mongolism Highlighted By Drive To Improve Lot Of Retarded Child

By DELOS SMITH
 UPI Science Editor
 NEW YORK (UPI) — President Kennedy's drive to improve the lot of retarded children highlights new scientific answers for critical questions pertaining to mongolism. This is one of the most tragic forms of retardation because it is one of the most hopeless.

One question is: Do the parents of one child afflicted with mongolism have a greater than random chance of becoming parents of a second such child? The old

answer was, no. The new answer is yes, if the mother is younger than 35. The younger she is, the greater the chance.

Another question is: Can science now identify the parents of one mongolism child with the highest risk of becoming parents of a second? A few years ago such identification was not possible, but now it is, to some extent at least. Science now knows more about human chromosomes.

These new answers come from the Institute of Child Health of the Hospital for Sick Children in London which over the past few years has made a number of notable contributions to scientific understanding of the causes and handling of retardation.

Small Percentage
 A tiny but stable percentage of live births are of babies afflicted with mongolism. That percentage is the random chance which all parents are presumed to be subject to. Two statistical studies, one in 1934 and the other in 1956, indicated parents of one mongolism child ran no greater than the

random chance of having a second. But a new study of C. O. Carter and K. A. Evans of the institute's scientific staff found to the contrary, and theirs was remarkable for its scientific thoroughness. It covered 698 mongolism children and their parents. The statistical methods were highly refined. Carter and Evans concluded

that the parents of one mongolism child who have no other close relative so afflicted, should be told their risk of having a second is one to two per cent above the random. This advice takes no account of the age of the mother.

Decreases With Age
 If the mother is under 25, their statistics showed, the risk is about 50 times the random risk. If she is between 25 and 34 the risk is five times the random, but if she is older than 35 the risk approximates the random.

In the past few years science's knowledge of human chromosomes has advanced rapidly, due to new techniques which permit their visualization. The institute's scientific staff applied these techniques to chromosomes of nine families which had two mongolism children each, including grandparents as well as parents. Three of these families were "carrying" translocations of Chromosome 21 which is the one suspected of being at the root of mongolism when it is missing or disordered in various ways. If their members could have had chromosome examinations, science could have told them their risk of having more babies with mongolism was quite high.



Herald and News



"The trick is to steer him where you want him to go, and after you get there make him think he drove!"

Spy Satellite System Protects From Attack

CAPE CANAVERAL, Fla. (UPI) — America's newest "spy" satellite is proving the success of a system designed to prevent a space-age Pearl Harbor.

The moonlet is a sharp-eyed space machine called MIDAS IV. It was hurled into orbit from Vandenberg Air Force Base, Calif. Saturday.

Tuesday night, MIDAS IV was given its first test when it passed through the skies above Cape Canaveral. Simultaneously, the Air Force launched a 98-foot Titan missile on an ocean-spanning voyage from here.

The satellite's mechanical eye was wide open. Ultra-cool detection devices aboard the multiton satellite picked up infra-red radiations from the Titan's exhaust less than two minutes after the rocket was launched.

MIDAS "memorized" the information of tape recorders and continued its orbital flight around the earth. When it passed again over the California base, Air Force scientists tapped its "memory" by radio signals.

MIDAS IV faithfully told them that a large rocket was launched at a certain time during its flight. The test proved that a sensitive station in space can detect the

No Time To Read

REDDING, Calif. (UPI) — Mrs. Fraser Powlison shook her husband in the wee small hours of the morning Tuesday and asked him to hand her a book on natural childbirth.

Powlison decided this was no time to read a book, called her obstetrician, and delivered their first child by instructions given over the telephone.

Then Powlison, an elementary school teacher and former reporter for the San Diego Union, took his wife and new son 10 blocks to the hospital. Doctors said all three members of the family were in excellent condition.

Grange News

MIDLAND
 A regular business meeting was held Wednesday, Oct. 18, at 8 p.m. with Alex Cammock, master, presiding. The Bible was opened and flag presented by Ruth Andrieu, ceres, Ida Scala, lady assistant, and Butch Schneider, assistant steward. Opening prayer was given by Opal Waresback, chaplain. Visitors introduced were Mr. and Mrs. Carl Youngren of Riversdale Grange, Douglas County, and Mr. and Mrs. Wes Johnson of Poe Valley Grange.

Donald and Bertha Kelle were accepted into Midland Grange as new members. All committee reports were favorable. Grace Stork, juvenile matron, reported the Juveniles are going to have a Community Halloween Party Oct. 27 for children and subordinate grange women are asked to bring decorated cookies.

The Juveniles donated \$20 to Midland Grange. Thank you cards were read from Joe Wright Sr. and Guy Galleth. Francis Flowers reported the insurance repaired the Grange Hall roof. He also reported on the sleeves. It was eventually referred to the committee for further study.

Lecturer's program was presented with opening prayer by Opal Waresback, chaplain. A game by all followed and a song. Carl and Ethel Youngren showed 11 e.m.s. from Sweden.

Next Home Economics Club meeting will be held at the home of Naomg Mitchell, 2032 Anderson. Mrs. Waresback will be co-hostess at the Nov. 7 meeting. Guests are asked to bring vegetables, salads and desserts.

Next meeting will be Nov. 1 at 8 p.m. Election of officers.

Death Toll Reaches 400

By THE ASSOCIATED PRESS
 The highway death toll for the year reached 400 in Oregon today as an automobile plunge threw a young Toledo woman to her death.

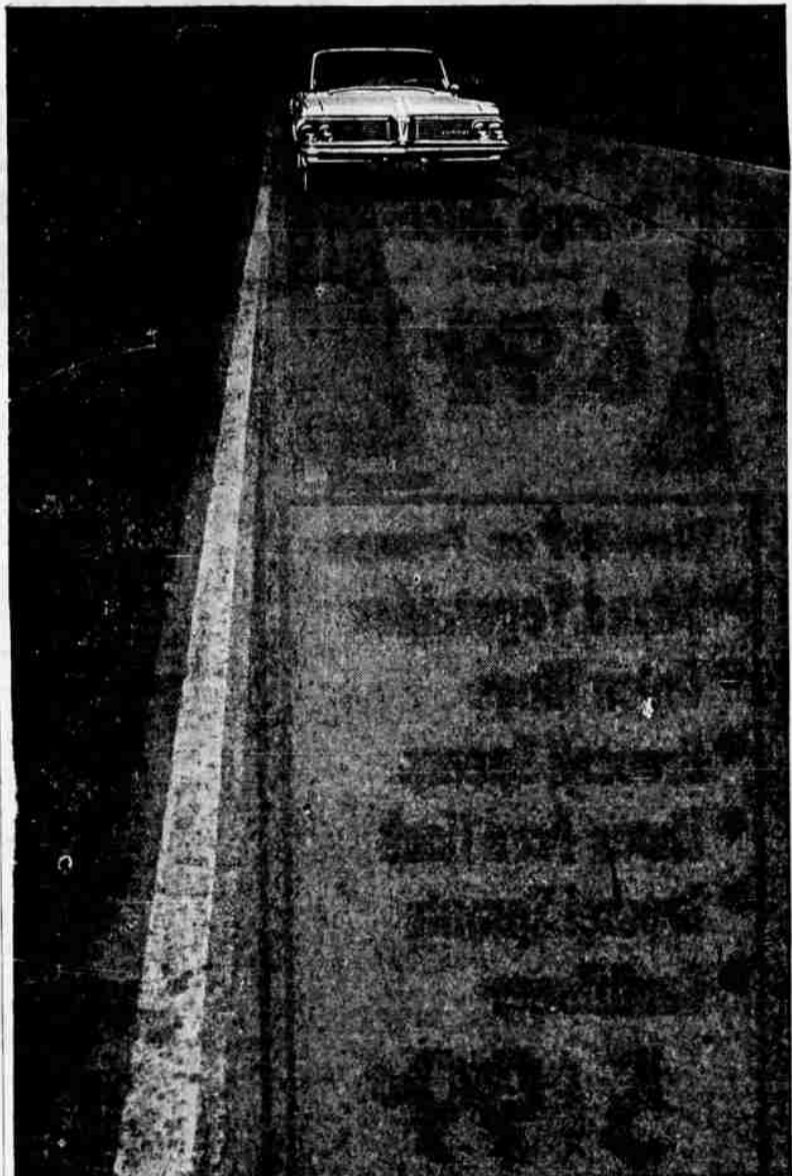
The woman, Ardith Florence Downing, 21, was driving the car when it veered off Highway 101 and went down a 30-foot embankment north of Newport at 2 a.m. Also thrown out was William George Long, 22, Seaside, who was taken to a Portland hospital for treatment of his injuries.

The pace of fatalities could make this the worst year on record in Oregon. The worst previous year was 1959, but the 400th fatality that year did not occur until Oct. 31. The year-end total then reached 497.

REVEREND DIES
 CHICAGO (UPI) — The Rev. Edmund D. Soper, 85, former president of Ohio Wesleyan University and former vice-president of Duke University, died Monday in Evanston.

He was a former president of the Association of American Colleges.

This fresh new style says Pontiac



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