

Bodies May Have To Be Altered For Space Travel

San Antonio, Tex. — Two scientists think the bodies of men may have to be altered chemically and electronically to enable them to travel through the bleakness and perils of outer space to other planets.

The scientists are Dr. Nathan S. Kline and Dr. Manfred E. Clynes of the Rockland State Hospital Research Facility at Orangeburg, N.Y.

They will present a paper on "drugs, space and cybernetics" next Friday at a symposium on the psychophysical aspects of space flight, which the Air Force will sponsor at its school of aviation medicine.

Portions of their paper were released tonight. The altered human beings they think may be necessary for space flights would be called "cyberbergs."

For Comfortable Living
Their paper points out that man is made for comfortable living in an earthly environment. A cyberberg could be scientifically adapted to the environment of outer space.

A cyberberg would have no problem of oxygen regeneration in his space cabin, since he would not have to breathe. A "lung" powered by a solar battery and attached to his arteries would remove carbon dioxide from his blood and replace it with oxygen.

Kline and Clynes said the rose osmotic pump inserted in the cyberberg's body might be used to cause him hibernation and permit him to tolerate the long, tedious journeys to other planets. It is expected, for instance, that it will take about 250 days to reach Mars.

Heated Electronically
Other drugs could be used to keep the cyberberg's brain active, or it could be heated electronically so that it would maintain its full functions.

The cyberberg, according to Kline and Clynes, might not have to worry about food. It is theoretically possible to process urine and pass the nutrients in it back into his blood stream, thus preserving his fluid balance.

Since the cyberberg would be fed through his veins, body waste would be almost nothing and the carbon dioxide in these could be fed into a fuel cell and converted into oxygen.

If a cyberberg's body functions can thus be changed, Kline and Clynes think he almost might be made artificially happy. The pleasure centers of his brain might be electrically stimulated at intervals.

Detector Would Signal
A radiation detector would signal when a servomechanism could give him drugs to reduce the deadly effects of radiation belts that surround the earth.

If the cyberberg were not already ready for long periods of hibernation, he could be put to sleep by drugs or an electrical device.

Kline and Clynes said they already have experimented with a Russian device, the electroson, which can induce sleep and produce wakefulness.

They think this instrument will prove valuable to the astronaut during the tremendous stresses that are produced upon his body by a rocket's blastoff.

Kline and Clynes think the cyberberg idea might also be adapted to the conquest of mental and other diseases.

Kansas Coeds Nix Kissing Contest

Lawrence, Kan. — Coeds at Kansas university rejected a kissing contest proposed by Sigma Chi fraternity. Representatives of all the sororities here called the contest "in poor taste."

The contest would have had five judges, all blindfolded with hands tied behind their backs. The contestants would walk by and "plant" a kiss on each judge. The judges would rate each contestant from one to five points, the woman with the highest point total would win.

But the fraternity dropped the contest from its annual Derby Day.

"Who'd want to win it anyway?" a co-ed asked indignantly.

Man With Cold Took Wrong Pills

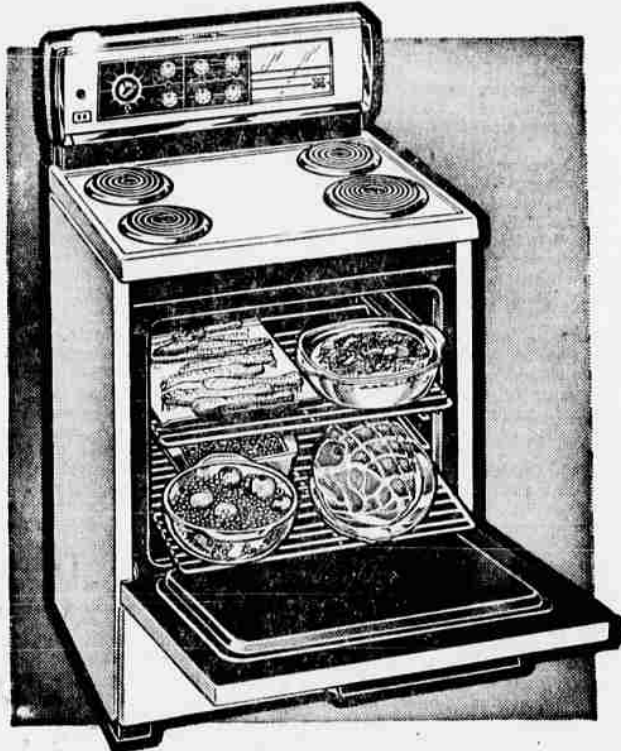
Des Moines, Ia. — Bob Harritt reached for his bottle of cold pills and hoped he could obtain enough relief to get a good night's sleep.

At 4 a.m. he was still wide awake and sniffling.

Harritt decided to check the label on the bottle. He discovered that he had been swallowing his wife's reducing pills.



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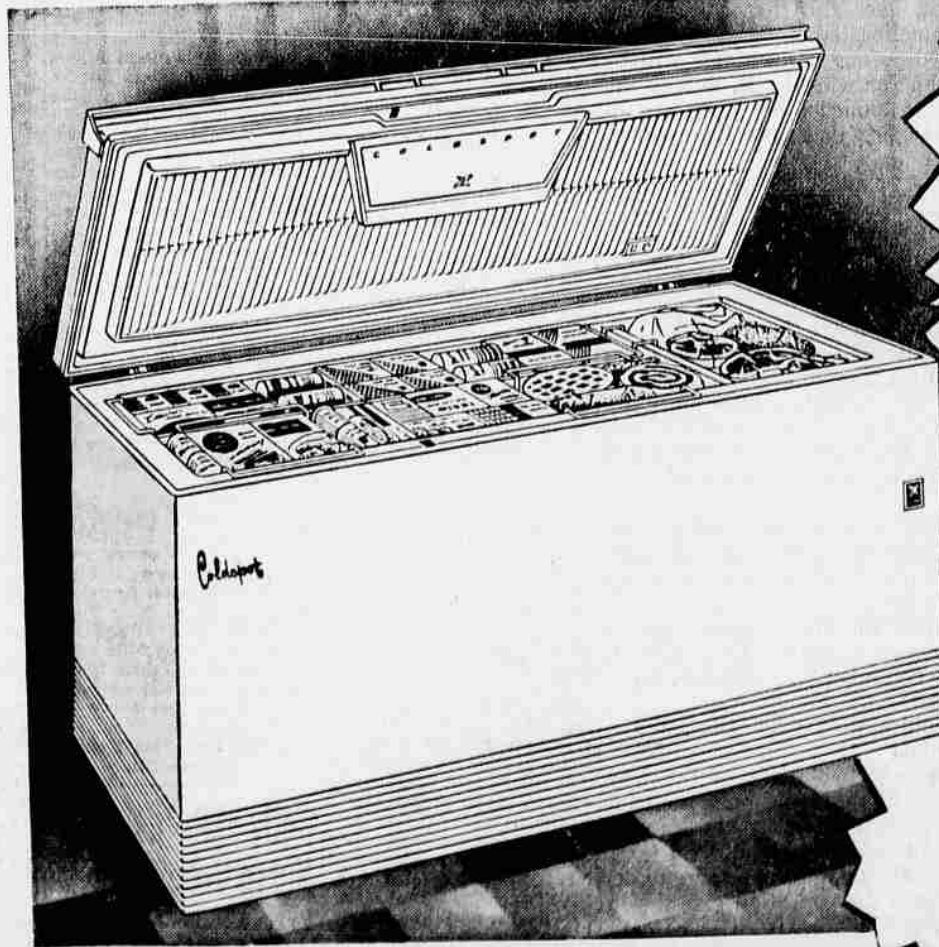


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