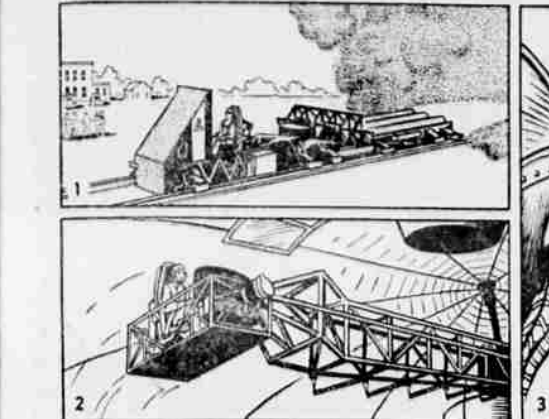


OUTWARD TO THE STARS (8)—Problems

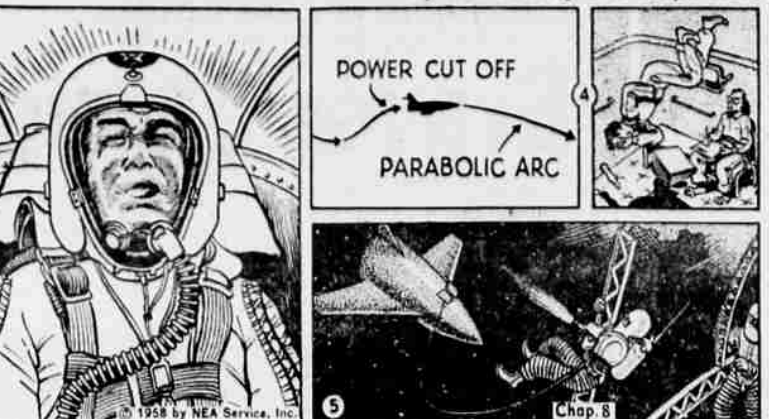


(1) First effect a rocket-borne spaceman will feel is acceleration. Air Force Col. John Stapp, in his daring rides on a rocket sled at Holloman AFB in New Mexico, has proved that man can survive speedups and slowdowns as high as 12 G's (12 times the force of gravity) without harm. This is far in excess of what a space pilot would have to withstand.

(2) Other experiments on human beings have been carried out in giant whirling centrifuges like this one. A reclining position has been found to be best for high and prolonged acceleration.

(3) Under full rocket blast, pilot of a space

By Don Oakley and Ralph Lane



vehicle will be pinned down into his specially-designed seat. G forces will distort his features and render him almost helpless. During the period of acceleration, automatic instruments will control the rocket until power is cut off and the pilot is able to take over.

(4) The opposite extreme from acceleration is the phenomenon of weightlessness, which will be experienced continually by the pilot of a satellite in orbit around the Earth.

Very short periods of weightlessness have been achieved in an airplane—by diving steeply, then abruptly pulling out and cutting power. In the

Church Bishops Endorse Birth Control

LONDON (AP)—Bishops of the Anglican Church have endorsed birth control as a "right and important factor in Christian family life."

The leaders of the 40-million-member church took their revolutionary stand at the recent Lambeth Conference in London. Ninety American Episcopalians bishops were among the 300 attending the conference, whose decisions were announced today.

The decisions of the conference, held every 10 years, are intended to guide the churches of the world-wide Anglican communion but are not binding.

"It is utterly wrong," said the conference report endorsing birth control, "to urge that, unless children are specifically desired, sexual intercourse is of the nature of sin. It is also wrong to say that such intercourse ought not to be engaged in except with the willing intention to procreate children."

The report said the questions of how many children to have and at what intervals had to be decided by the parents, "in prayerful consideration of their resources, the society in which they live and the problems they face."

But the report cautioned that "couples who postpone having children until certain financial goals are reached, or certain possessions gained, need to be vigilant lest they are putting their own comfort ahead of their duty."

The report was drafted by a committee headed by the Episcopal bishop of Olympia, Wash., Dr. Stephen Bayne. The Archbishop of Canterbury, Dr. Geoffrey Fisher, who presided at the conference, said it was the first time the Anglican communion had considered family planning by scientific means.

The bishops failed to agree unanimously on the moral problem of nuclear weapons. Dr. Fisher said a clear majority favored nations retaining such weapons until an international agreement could be reached to abolish them. But he said a substantial minority favored unilateral abolition of nuclear arms even before an agreement and felt their use was not morally justified in any circumstances.

Dove Season Opening Set

The hunting season for mourning doves in all Oregon counties east of the Cascade summit and in Jackson County west of the summit will open on September 1 and continue through September 14, hunters are reminded by Tom Garratt, game management agent, Fish and Wildlife Service.

For the remainder of Oregon, the season opens on September 1, also, but runs through September 28. Daily bag limit is 10 doves and 20 in possession after opening day.

California dove season will open on Labor Day, also, and close on September 30. Daily bag and possession limit is 10 doves in California. Garratt said that although some three millions doves were taken in California during the 1957 season the dove population remains about constant from year to year.

No migratory bird hunting stamp is required for taking doves.

Rain, hail and high winds on August 19 and 20 moved many of these game birds out of the Klamath Basin, Garratt said, but some local areas are expected to provide fair shooting next week.

Legal shooting hours during which mourning doves may be taken in Klamath County are listed for the guidance of hunters in this area. Times are PST.

Army Leaves Probe Slated

SEOUL (UPI)—Korea's Vice Minister of Defense Choi Se Whang said today he "will look into" newspaper reports that local army commanders are granting extended leaves to soldiers to save rice.

According to the newspaper reports, the commanders in some areas granted long furloughs to soldiers to save rice and make up deficits in the rice supply caused by misappropriation.

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BEWARE OF IMITATIONS

LOOK FOR THE HAPPY LITTLE DOG

DOG AND CAT FOOD

GM Names Finance Expert, Engineer As New Leaders

DETROIT (AP)—A finance expert and an authority on production and engineering have been named to direct the destinies of the world's biggest industrial corporation.

General Motors directors yesterday elected Frederic G. Donner, 55, board chairman and chief executive officer, and John F. Gordon, 53, as president and chief operating officer.

Their election, effective Sept. 1,

Republican Blasts Demos

CHICAGO (AP)—Rep. Richard M. Simpson (R-Pa.) told members of the Republican National Committee today that Democratic leaders in Congress blocked all labor legislation this year to please union bigwigs.

"Walter Reuther, David McDonald and other bigwigs in the labor hierarchy did not want restrictions imposed on their reckless activities," Simpson said. "So they simply passed the word down to those who serve them in the Senate and the House."

Simpson, chairman of the Republican Congressional Campaign Committee, echoed a keynote sounded earlier by GOP Chairman Meade ALCORN for this fall's campaigns.

ALCORN said before the two-day meeting of the party's 147-member National Committee that the failure of Congress to pass any measure to curb labor racketeering "is a dramatic demonstration of the need for a Republican Congress."

The National Committee laid plans for intensive campaign efforts on behalf of party candidates for Congress during September and October.

The GOP National Finance Committee met concurrently to discuss fund-raising.

A site committee to select the 1960 national convention city will be chosen tomorrow. No steps toward selection of a convention city are expected to be taken immediately.

ALCORN said that he and Democratic National Chairman Paul Butler have conferred on the possibility that conventions of both parties be held in the same city.

Bomb Blast Control Device Announced By Scientists

By RENNIE TAYLOR

ASSOCIATED PRESS Science Writer

VANCOUVER, B. C. (AP)—A new kind of device which blocks possibilities for controlling the blast of the hydrogen bomb and making its energy available for peaceful uses was described here today.

The idea of the device was put forth by a Greek scientist who scooped the world's nuclear scientists a few years ago on a means of greatly increasing the power of atom-smashing machines.

In a paper before the American Physical Society, Dr. Nicholas C. Christofilos said the device is being built at the University of California's H-bomb research laboratory at Livermore, Calif.

The device is called the Astron. Its builders hope that it will demonstrate how they can duplicate and use in their laboratories the 100-million-degree heat of the stars. This extreme heat is necessary to start the fusion reaction.

Dr. Christofilos, now a physicist at Livermore, said the device now being built would not produce enough heat to cause fusion but would establish whether the idea is workable. If it proves itself, fusion power should be attainable in a few years, he added.

Like some other experimental devices, this one utilizes the effects of magnetism to confine atoms to be fused. Ordinary materials cannot be used as containers because they cannot stand the stellar heat. But this new idea is much more complicated than the ones previously reported.

In the Christofilos plan a primary magnetic field in a cylinder is used to speed great numbers of electrons along prescribed cork-screw-like paths. When the elec-

Truck Driver's Body Recovered

McMINNVILLE, Ore. (AP)—The body of Clifford J. Undseth, 41, Yamhill, was recovered Monday by a dragging crew at the entrance of the North Yamhill River into Carlton Lake, seven miles north of McMinnville.

The recovery confirmed five drownings in Oregon over the weekend. Undseth's boat capsized Sunday evening.

Undseth was a truck driver for a Forest Grove lumber firm.

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LOW IN PRICE

'Daisy' May Miss Florida

MIAMI, Fla. (AP)—Hurricane Daisy drifted slowly toward the northwest today, 230 miles off Melbourne, Fla. It appeared to follow a pattern that would bring none of its crushing winds to the U.S. mainland.

Reconnaissance aircraft reported today that Daisy was moving toward the northwest at about 5 m.p.h.

If Daisy is pushed into a more northeasterly direction, a spokesman for the Weather Bureau said, it would find itself chased out to sea by strong southwesterly winds blowing at all levels across the United States.

This, at present, is what the Weather Bureau thinks will happen.

U.S. Using Red Orb Information

PASADENA, Calif. (UPI)—Scientists of the United States, using calibrations supplied by the Russians, now can study cosmic ray data sent back by the Soviet's Sputnik III.

The information making it possible for this nation to join scientifically in the benefits of the Russian satellite was brought back from Moscow last week by Dr. Henry L. Richter Jr., research group supervisor at the California Institute of Technology's Jet Propulsion Laboratory.

U.S. Publishes Book On Rockets

WASHINGTON (UPI)—The government has announced publication of an English language edition of a Russian "how to do it" book on Sputniks.

The 433-page book—called "Artificial Satellites"—was written by A. Shernfeld, who is described as a leading authority on the subject. His book was published earlier this year in Russia.

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MISSILE EXPERT HURT

AMSTERDAM (UPI)—Dr. Werner Von Braun, the U.S. Army's missile expert and the man behind the Explorer satellites, was bedridden today with a suspected slipped disc suffered when he bent over to pick up an object at the International Astronautical Congress here.

GUARD ORDERED OUT

ATLANTA, Ga. (UPI)—Georgia Gov. Marvin Griffin has ordered out the National Guard to help enforce traffic laws during the Labor Day weekend.

DIETING

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