

'Dan' Missile Set to Probe Solar Flares

First Firing Planned At Geophysical Year Start

By FRANK CAREY
Associated Press Science Reporter
WASHINGTON (AP)—A missile named "Dan"—actually a guided missile with a rocket hitch-hiker—will be used in a new attempt to probe one of nature's greatest mysteries, solar flares.

A team of Naval Research Laboratory researchers disclosed today that 14 such missiles will be fired during 1957. The first firing, they said, is planned for July 1, the beginning of the international geophysical year.

Since solar flares occur only infrequently, the initial firing may not actually be made on that specific date.

More Information Sought

The Navy team reported to the American Rocket Society that the Dan missiles will be ready to try for new information on the "flares" which sometimes interfere with radio reception, cause sparking on telegraph wires and create a general disturbance of the earth's magnetic field.

The Dan, they said, is a combination of the Army's guided missile "Nike" with a six-inch diameter rocket known as the "Deacon"—the latter presumably released when the Nike reaches its maximum altitude. The Nike alone has a range unofficially estimated at about 20 to 25 miles, and the Deacon's range is estimated at about 45 to 55 miles, giving a total conceivable altitude of some 75 miles for the combination.

Research Last Year Told

Researcher T. A. Chubb and two associates made brief mention of the Dan plans in a prepared report disclosing results of research on solar flares last summer. This research was done with another unusual combination—a Deacon rocket carried as a hitch-hiker by a high-altitude balloon. This combination is known as a "Rockoon."

A balloon carries the Deacon to an altitude of about 15 miles and floats there until launched by a signal radioed from technicians below.

Carries Instruments

The rocket carries instruments for detecting the effect of solar flares on the atmosphere, and this is radioed back to observers. Last summer's studies, were concentrated on the particular aspect of solar flares responsible for radio fadeout.

The researchers said flares on the sun occur only infrequently and, since most of them last only 10 to 30 minutes, it's necessary to have a rocket in readiness for prompt firing.

The hovering balloons provided such a system last year. This summer, the 14 longer-range Dans are scheduled to be fired from an unidentified island base, presumably by remote control.

Auto Workers Appoint Six As Watchdogs

ATLANTIC CITY, N. J. (AP)—The international executive board of the United Auto Workers has chosen six prominent citizens outside the union to serve as members of a proposed public review board to act as a watchdog on union affairs.

A union spokesman said today three churchmen, two college professors and one jurist have agreed to serve on the board. They are Methodist Bishop G. Bromley Oxman of Washington, D. C.; Rabbi Morris Adler of Detroit; Msgr. George Higgins of Washington, D. C.; Dr. Clark Kerr of the University of California; Dr. Edward Witte of the University of Wisconsin, and Circuit Judge Wade H. McCree of Detroit.

The seventh member to complete the board is yet to be chosen. The board will have a staff paid by the union and board members probably will be paid on a per diem basis by the union.

Langley Trial Opens Tuesday

PORTLAND (AP)—The trial of Multnomah County Dist. Atty. William Langley on a charge of not upholding laws against gambling will open in circuit court here Tuesday.

The trial was assigned Friday to Judge Frank J. Lonergan. Langley also is under indictment on charges of conspiracy to accept a bribe, conspiracy to obstruct justice and malfeasance in office. Trial dates for these charges have not yet been set.

Pennsy Railroad Strike Scheduled

PHILADELPHIA (AP)—The Brotherhood of Maintenance of Railway Employees has set April 20 for a strike against the Pennsylvania Railroad.

Negotiations reached a stalemate yesterday, and the strike deadline was set last night by T. C. Carroll, president of the union, in Detroit. The strike would affect 10,000 employees.

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Masland Durasol plastic outside with floral pattern underside. Polished aluminum pole, button type tilt and pull cord. 4" white fringe trim. Your choice of colors in green, turquoise and yellow.
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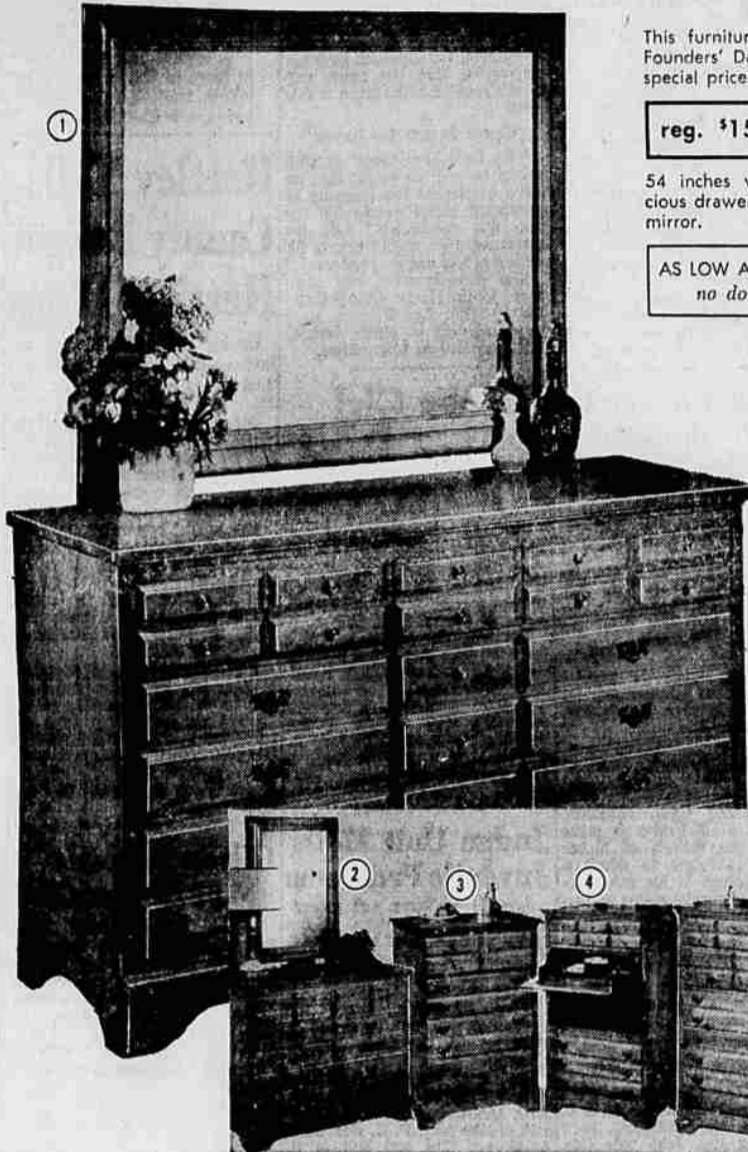
reg. \$13.95 set nested glass top tables **\$7.95** set
Antique finish wrought iron frames... 21", 19" and 17" high. Glass tops remove easily for cleaning. Choice of three bright summery colors... verd green, regency green, citron yellow.
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reg. \$99.50 Sealy twin bed set on legs **\$59.95**
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reg. \$319.50 Con-Sealy sleeper in Naugahyde **\$219.50**
Save 15 on this decorator designed Sealy sleeper! An inviting sofa by day, a super comfortable bed by night with Sealy's famous \$59.95 quality innerspring mattress. Upholstered in handsome plastic in a choice of popular colors.
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 - reg. \$109.95 desk chest, drop lid, drawers... **\$79.95**
 - reg. \$99.75 4-drawer chest, 30 inches wide... **\$69.95**
 - reg. \$109.95 chest-on-chest, 5 drawers; 32" top... **\$79.95**
 - reg. \$55.00 cottage type bed; full or twin size, each... **\$34.75**
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 - reg. \$65.00 bookcase cabinet bed, low foot, full or twin size... **\$49.95**
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reg. \$59.95 matching box spring... **\$39.95**

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- * exclusive "tru-balance" innerspring unit
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