



Earth-Circling Satellites Will Unlock Mysteries of Weather

Editor's Note: U. S. scientists have revealed for the first time the full extent of the weather mysteries they hope to solve by means of artificial satellites rocketed into the heavens. The following dispatch by U.P. scientist and atomic writer Joseph L. Myler depicts the vast scope of the secrets the satellites may unlock.

By JOSEPH L. MYLER
United Press Correspondent
Washington — Scientists predicted today that earth-scanning satellites of the future will enable man at long last to master the mysteries of weather.

These artificial moons will, on weather patrol high above the planet, spot tornadoes and hurricanes before birth. At the same time they will detect clues to long-range climatic changes which in the past have transformed lush regions of the earth into wastelands.

The scientists also said satellites will be able to penetrate atmospheric mysteries of other planets and, presumably, resolve the riddle of whether earth's neighbors can support life of any kind.

First Run Movies
Even the first crude artificial

moons will provide science with a sort of television program of weather events seen for the first time from above.

These predictions were made by W. G. Stroud, R. Hanel, W. Nordberg, and R. Stampf of the Army Signal engineering laboratories at Fort Monmouth, N.J. They presented them at a 13-nation conference on rocket and satellite programs of the International Geophysical Year.

Salt Water Seen as Relief for Shortage

Madison, Wis. — Secretary of the Interior Fred Seaton has expressed hope the nation's growing demand for water will be met in 15 years through the conversion of salt water.

"There is a reasonable expectation," Seaton said Tuesday night, that the cost of converted water will be brought down to 60 cents per thousand gallons "or even less."

Backed by five years of research and development, the federal government "is now ready to build pilot plants to test and refine" the laboratory results, he said. There must, however, be continued progress in research. Water may "well be our No. 1 domestic problem within a relatively few years," Seaton told almost 400 members of the American Forestry association. It is unlikely the expected demand in the years after 1975 can be met with additional reservoirs, he said.

Portland State College Signs 2,611 Students

Portland — Fast-growing Portland State college today had 2,611 students signed up, nearly 400 more than on the second day of classes last year.

Last year's enrollment was 2,990. Dr. Howard Impeccoven, registrar, said he doubted if the final enrollment would reach the 3,400 on which the school's budget is based.

Boston — Hay was the most valuable crop in Massachusetts in 1956 with a value of \$14 million, reported the commerce department. Tobacco ranked second at \$6.7 million; cranberries third at \$5.1 million.

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Fossil Fuel Burning May Change Climate

La Jolla, Calif. — Increased world-wide burning of fossil fuels, oil and coal, may cause profound changes in the earth's climate, according to Dr. Roger Revelle, director of Scripps Institution of Oceanography.

Revelle said burning of these fuels in increasing amounts will raise the carbon dioxide content of the air from 20 to 30 per cent during the next 50 years. Science cannot fully predict some of the changes which may result, he added.

Revelle said the most likely effect of the change may be to make the earth more like a greenhouse. This will be caused by the carbon dioxide gas trapping the sun's heat rays, thus increasing temperatures and, possibly, reducing rainfall.

He said that although scientists lack much information needed to complete understanding of the relation of carbon dioxide gas to climate, enough data is available to indicate that increased abundance in the atmosphere will make profound enough changes to disturb the economy of nations.

Hartford, Conn. — State Rep. Mary Fahey, asked to explain how to tell which pheasants are artificially propagated, said: "A bird which will fly away fast and show some fight is not; those you have to kick in the tail feathers to make move are."

No Naggng Backache Means a Good Night's Sleep

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Rural Press of State Gets Praise

Portland — Giles L. French, editor and publisher of the Sherman County Journal, praised the rural press of the state in a Newspaper Week talk before the Kiwanis luncheon meeting Tuesday.

French said the small weekly paper prints the "news of the people" and thus is close to their personal affairs and needs and can interpret their basic ideas better.

French likened publishing a newspaper to riding a bucking horse in that the publisher must follow his readers but at the same time he must try to guide and train them.

He said Sherman county, despite its small population, produced enough wheat to keep every person in Oregon in bread and cake for a year. He said development of the John Day dam would bring more population and wealth to the county.

Woman Suggested as Monaghan Successor

Oregon City — The Clackamas County Democratic Central committee has recommended appointment of Mrs. Beulah Hand of Milwaukie as state representative to succeed Rep. Thomas Monaghan, Milwaukie school teacher.

Monaghan last week resigned his legislative post after a state Supreme Court ruling said he was not eligible to be a teacher and a legislator at the same time.

The county court meets Oct. 7 to name a successor.

Memphis, Tenn. — Former U. S. Sen. Kenneth D. McKellar, at 88, a bachelor, said he made a mistake in not marrying. "I should have married young," he explained. "Trouble was the older I got I became more particular and less desirable."

Byrd Says Ike Violated Intent Of Congress Through Spending

Washington — Sen. Harry F. Byrd accused President Eisenhower today of violating the intent of Congress by failing to cut federal spending for the current government year.

The Virginia Democrat, leading economy advocate and chairman of the tax-writing Senate Finance Committee, made the charge after publication of the administration's midyear budget review.

The review, released Tuesday night, showed that despite heavy congressional appropriation cuts and military strength reductions, the federal government now expects to spend \$200 million more than Eisenhower estimated last January—before all the budget-cutting furor arose.

The new estimate of federal spending for the 12 months ending next June 30 is \$72 billion, instead of the peacetime record \$71,800,000,000 predicted by Eisenhower in January.

Government income will slump by \$100 million from the expected \$73,600,000,000 to \$73,500,000,000 for the year. The 1957-58 surplus will be cut from \$1,800,000,000 to \$1,500,000,000. The disclosure dimmed some what hopes for a tax cut next year, though Democrats may press for a reduction anyway. It also foretold a probable new and even more vigorous wave of

budget-cutting when Congress returns in January.

Congress cut Eisenhower's appropriation requests around \$3 billion at its last session. Byrd, who figured the cuts amounted to even more—around \$6 billion—noted he had called on the President to reduce spending "by the same amount."

Byrd added the failure to cut spending "diminishes the possibility of any worthwhile tax reduction" at the next congressional session. He said tax cuts "must depend upon expenditure reduction."

Other congressional leaders were more cautious about writing off hopes of an election-year tax cut in 1958. House GOP leader Joseph W. Martin Jr. (Mass.) said Congress should look at business conditions at the end of the year and then decide whether to cut taxes. "We're all for tax reductions... but not at the expense of fiscal stability," he said.

Tax Cut Possible
Rep. James L. Whitten (D-Miss.), a member of the Appropriations Committee, said the administration should be able to "freeze enough funds to justify a tax cut." But he added tax relief is out of the question "if we are going to keep the present level of spending."

Sen. William Proxmire (D-

Portland Traffic Death Toll Mounts

Portland — Portland's 1957 traffic death toll shot up to 31 Tuesday when two men died in traffic mishaps and a third died from injuries suffered earlier.

Chester J. Wette, 57, was killed when his car struck a transport truck after he drove out of a parking lot.

A man identified as James Duncan was killed Tuesday night when struck by a car.

Arthur McGahey, 72, died from injuries suffered Sept. 8 when struck by a car.

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