

New Scope Measures Atom Clouds

By ALTON L. BLAKESLEE
AP Science Reporter

MINNEAPOLIS (AP)—A new kind of telescope can tell you the size, shape and potency of some radioactive clouds, an Atomic Energy Commission scientist said today.

Named the Sky Scanner, it sweeps the sky and pulses every time an X-ray from the cloud strikes its eye. The resultant pulses are used to draw a pattern of the cloud, and its direction.

The scanner was described to the American Chemical Society by Dr. G. Victor Beard, director, Health and Safety Division, Idaho Operations Office, AEC.

The scanner, used in groups of two or more, are proving extremely useful in helping track movements of invisible clouds of from the stack of an atomic reactor at the national reactor test site in Idaho, he said.

They can be used to calculate how fast the cloud is being diluted as it is carried away by wind. A rate of dilution can be checked. As more and more atomic power plants arise in the atomic age, this checking could help keep radiation at harmless levels.

The scanner wouldn't be much if any help in tracing radioactive clouds from atomic bomb tests. After a bomb cloud has traveled a very short distance, its radioactivity is so diluted that it would be below the level the scanner could detect.

The eye of the scanner is a small sodium iodide crystal mounted in a tube of lead an inch thick and a foot long. The tube can be moved automatically to make full sweeps of the sky.

The pulses created when X-rays hit the crystal eye are amplified, and recorded to draw a kind of chart indicating size, shape, X-ray intensity and direction of the cloud.

USAF To Push Europe Force

WIESBADEN, Germany (AP)—U.S. Air Force Secretary Donald A. Quarles says America's buildup of air power in Europe will continue despite a current military economy drive.

"We are trying to see how much we can economize," the secretary told a news conference yesterday, but he added that the Air Force plans to support its full overseas defense policy.

"The Air Force will carry out its 15-wing program as planned and there is no move to cut back on essentials," Quarles asserted.

"Not only will the buildup continue," he said, "but it will continue at the same rate—but as economically as possible."

Quarles' statement was made in reply to questions about reports that a cut below the \$4-billion-dollar defense appropriation for the 1954-57 year was planned.

Quarles, who was named air secretary a month ago, is making his first tour of U. S. Air bases in Europe and North Africa. Wiesbaden is headquarters for the U.S. Air Force in Europe.

Quarles said plans have been made to protect American personnel at the big U.S. air bases in French Morocco from the French-nationalist violence which has been plaguing the North African protectorate.

"We have not been directly involved so far and do not expect to be," he explained. "But if we should be, we will take appropriate measures to protect our personnel."

He termed evacuation of the bases, a remote possibility, but said, "if conditions should warrant, the Air Force would of course evacuate its personnel from Morocco."

NEW PARK
WASHINGTON (AP)—Cumberland Gap National Historical Park, in the making many years and authorized by law since 1940, today formally becomes the 181st area administered by the National Park Service. It is made up of some 20,100 acres of land at the junction of Kentucky, Tennessee and Virginia.



VANDALISM TOOK A new form at the Fremont Elementary School recently when someone cut a six inch wide strip around two flowering Hawthorne trees in front of the school. Principal Lowell Kaup examines the mutilated trees, two of eight trees in front of the school, that will probably die because of the exposure and bleeding of the sap.

Floats Planned For Rose Parade

PASADENA, Calif. (AP)—Sixty-two floats will compete in the 1955 Tournament of Roses parade next Jan. 2, the Parade Entry Committee announced today.

The parade, traditionally held the morning of the Rose Bowl game, will have as its theme, "Pages From the Ages." Floats will depict such themes as Davy Crockett, Circus Days, The Ten Commandments, Easter Parade, Show Boat, Olympic Games and Cinderella.



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Arthur Godfrey Faces New CAA Flight Safety Charge

WASHINGTON (AP)—Arthur Godfrey, accused once again of an air safety infraction, says emphatically that he is innocent of any misbehavior.

The Civil Aeronautics Administration said it is investigating a formal complaint that Godfrey's plane passed "too close" to an Ozark Airlines plane after taking off from Chicago's Midway Airport last Wednesday. Godfrey denies it.

"The only variation from customary flying practice in that incident near Chicago last Wednesday was that I dipped my wings in salute at the other plane," the radio and television entertainer told a reporter.

"As I passed him I rolled my wings back and forth the way we used to do in the old days as a greeting."

"There was absolutely no danger of a collision,"

In a written complaint filed with

the CAA, the pilot and copilot of the Ozark two-engine DC3 said that a plane overtook them shortly after departure from the airport and made a left turn so close across their course that they had to reduce speed to avoid the plane's prop wash.

The CAA identified the plane as Godfrey's, a plushy executive blue and white executive-type DC3, 11 said it is investigating to determine whether there has been any violation of flight rules.

Godfrey still recalls with anguish the six-month suspension imposed upon him by the CAA for buzzing the Teterboro, N.J., control tower in January 1954.

In a telephone call from New York, Godfrey said he remembered the Ozark-Chicago incident well because the other plane was from an airline new to him, and because he heard the airliner pilot, radio, Midway Airport for his (Godfrey's) identity.

Godfrey, commenting that Midway is generally rated the busiest airport in the United States, said both he and the Ozark airliner were cleared by ground control to take off from Runway 4.

"The tower cleared the plane ahead, and immediately afterward cleared me on to the runway and cleared me for takeoff," Godfrey said.

"My course was to Moline

(Ill.), which meant a long left turn all the way around. The DC3 ahead of me obviously was bound for the same place and made the same turn.

"There we were, both climbing, with me behind out overhauling him because I have the big R200 engines and am faster than he is."

"As is customary in such circumstances when flying VFR (visual flight rules), I pulled off to the right and kept higher above

him, so that I had him below me and in my sight and a safe distance away."

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Rain In West; Southwest Hot

By THE ASSOCIATED PRESS
There were a few wet spots—in the South, Midwest and Pacific Northwest—but skies were clear in most of the nation today.

The hot weather persisted in the Far Southwest but pleasant late summer temperatures were in prospect for most other areas.

Thunderstorms were reported this morning in Wisconsin, Lower Michigan, and extreme northern Illinois. Rain fell in parts of the South Atlantic states and in the Pacific Northwest.

Warmer weather spread from the Southern Plains states northward across the middle Mississippi and Ohio Valleys to the Great Lakes region.

It was a little cooler in the Northern Plains while temperatures were about the same as yesterday in most other sections.

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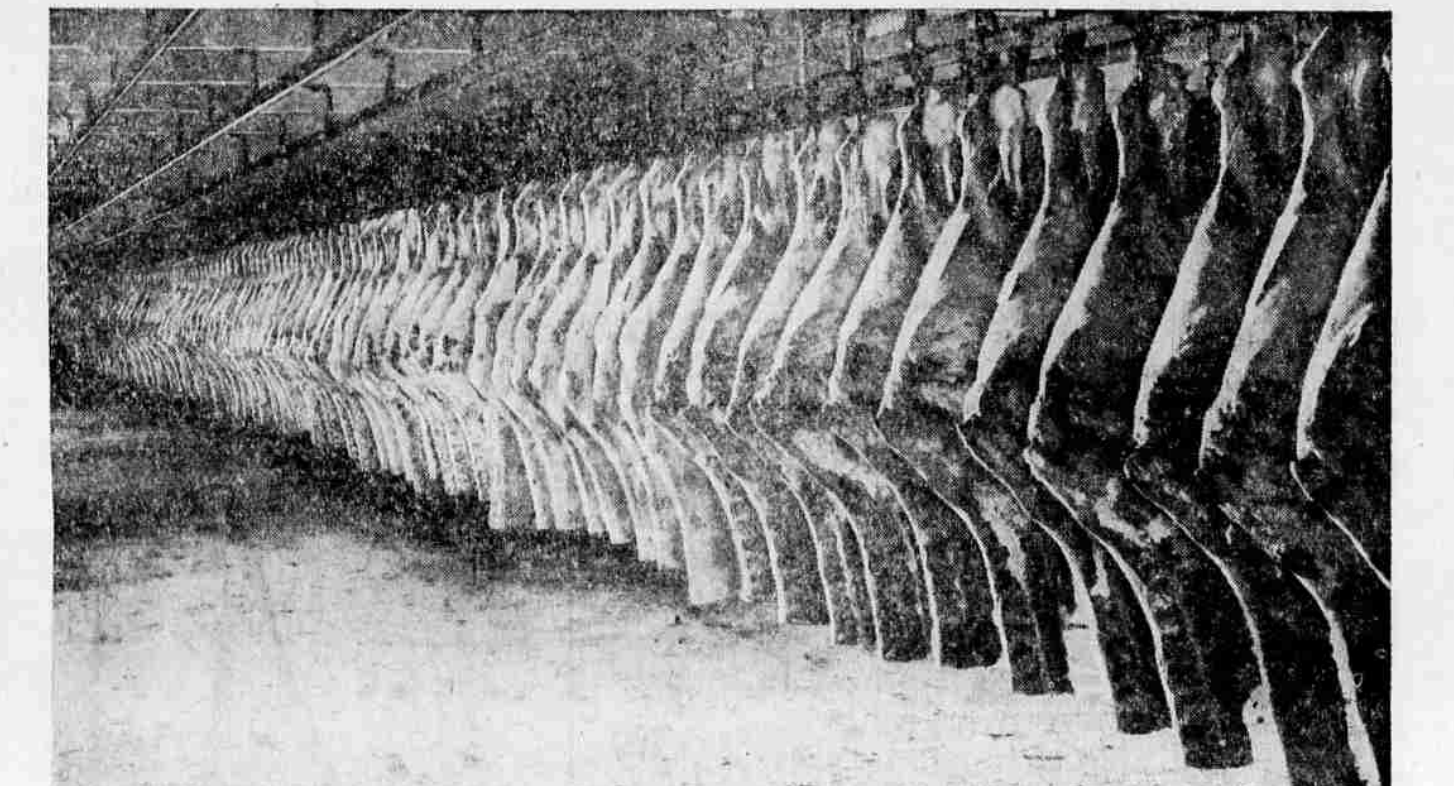
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- Q. What is meat aging?**
A. Meat aging is the holding and conditioning of meat until it reaches eating perfection by its own natural processes—instead of sending it immediately to market. Safeway aids these processes by providing proper conditions of temperature and humidity. As explained below, natural changes take place in meat during aging... changes that improve the eating quality.
- Q. Will all meat take aging?**
A. No. Pork and veal shouldn't be aged, and poor beef and lamb are not improved by aging. But top U.S. Government grades of beef and lamb, such as Safeway buys, benefit by aging.
- Q. Does aging improve meat flavor?**
A. Yes. During the aging of fine beef and lamb under proper conditions, the flavor-carrying extracts in the meat tissues develop and permeate the meat.
- Q. Does aging increase meat tenderness?**
A. Yes. Even naturally tender meat—like rib roast of beef, lamb loin chops and fine steaks—reaches maximum tenderness

- only with aging. That's because aging softens tough fibers and tissues—makes for tender eating.
- Q. What about juiciness?**
A. Meat aged under correctly controlled conditions of humidity and temperature—such as you find in Safeway's Central Meat-Aging Plant—retains its natural juiciness. Such meat does not dry out. It shrinks less in cooking. Every bite is juicy.
- Q. Is all beef and lamb at Safeway properly aged?**
A. Yes. Safeway pioneered, at its own expense, ways to make it possible for retail stores to sell properly aged meat. Over a period of 16 years, Safeway meat experts developed meat-aging procedures, plants and facilities that never before existed in the retail meat field—and put them into operation in many areas throughout the country.
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