

# Rain Makers:—The Technique Weather Control Research Centers In Tucson

In one of man's earliest attempts at forcing rain from the skies, he eagerly fired cannon balls at likely lightning clouds. But since a brilliant discovery in 1946, his attempt has been more scientific and is in progress in an impressive scale.

By FRANK CAREY  
AP Science Reporter  
WASHINGTON—A scientist, brought into a homely frame by eight years age and started a miniature procession that has grown into a blizzard swirling around this topic.

"Can man control the weather?" Tests of rain seed snow making have been hailed as milestones of a new era in man's relation to nature. The fact that it may be possible to break drought and hold back floods, averted hurricanes, prevent tornadoes and hailstorms, and dissipate fog at airports.

SOME EVEN envision man using the weather as a weapon of war—dropping silver iodine from aircraft to melt marching his foot creeps in, melting snow, preventing snowdrifts, and melting ice on roads.

congress to evaluate the tests has not yet reported. But the Associated Press has surveyed representative opinion-making groups, officials and legislators.

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He produced clouds by blowing his breath into a freezer. But he thought he added to his clouds a variety of materials—dry ice, silver iodine, talcum powder and potassium chloride.

A miniature snowstorm developed before his eyes. The first thought of a host of experiments involving the seeding of clouds with dry ice from aircraft in an effort to make them yield more or less.



Dr. James E. McDonald shows a piece of radar equipment being installed at the University of Arizona for the Institute of Atmospheric Physics. IAP cloud studies may yield a vital key in a thirty world's search for rain-making methods.

be could produce rain by mid next Sept. 1.

## Radar Study Begins At UA

With installation of radar equipment on the roof of the engineering building at the University of Arizona and addition of two new staff members, the Institute of Atmospheric Physics was making rapid expansion strides today.

The radar equipment will detect precipitation in its forms in distant clouds or use of extremely short light wavelengths of three centimeters. These waves are reflected by rain drops and produce a radar echo which will show up on a viewing screen set up in the center of the engineering building.

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