Aerial sensing techniques are essential, Rouse says

successful until aircraft retamin E In oped and incorporated into ncy operations, the director of &M's Remote Sensing Center

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Dr. John W. Rouse Jr. told the merican Society of Photogrametry seminar in Houston Wedesday "it is difficult to imagine we can establish realistic polluon standards for industries and unicipal governments without

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tween the environmentalists' pleas

uch overview (airborne) informa-He said the middle ground be-

64 Falcon Sprint, 260 V-8, tach rc, air-conditioned. 846-0980

He said environmentalists have a strong argument that the ecology is in danger. "It is becoming increasingly r clean air and water and the evident we are unable to realisti-

sue

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overnmental efforts to man- industrialists' need to economical- cally evaluate the dynamics of e pollution problems will not ly dispose of waste products is urban water pollution using only most likely to be found using airmote sensing techniques are de- borne sensors than by any other means.

846-3708

measurements obtained from the bow of a ship," he declared. "Nor can we understand the complexity Dr. Rouse chairs the Environof a city's air pollution problem mental Monitoring Panel at the using only instruments mounted Tuesday through Friday meeting. on towers or in balloons."

He warned seminar participants Dr. Rouse claimed environment remote sensing experts were overresearchers will begin to appredue "in combining our remote ciate the multiple factors associsensor technology and our space ated with environmental quality travel capabilities to enable us to by observing them from aircraft begin appraisal of this critical isand satellite altitudes.

> modern remote sensing instruments, we have the potential for recording very necessary information about the input and diffusion of pollutants in rivers, lakes, estuaries, bays and in the air

He noted the U.S. motivation for pollution control is a desire for an "attractive environment." The more profound issue of environmental degradation is not simply regional or national, but global in nature, he added.

nation and aircraft sensors used

TRY

BATTALION CLASSIFIED



driver for the Bridgewater, Vermont, Woolen Mill had left a quarter-mile train of plaid wool in the town of Ludlow. It was quickly collected, however, and the loose bolt re-stored to the truck. (AP Wirephoto)

Earth probably had several small moons, scientists say

SAN DIEGO, Calif. (P) - Two consultants to the National Aeroscientists say the earth may once nautics and Space Administration have had five to 10 small moons on space research. that were destroyed after the present moon was formed in space

The scientists said they based their theory on a study of the

evolution of other planets and their satellites. Saturn, Jupiter and Uranus followed a "normal" pattern of de-

velopment, they said. "Each of these has five or more secondary bodies, or satellites," Alfven said. "Mars, with only two satellites,, may be less typical. Mercury and Venus have no satellites, probably because of their extremely slow rotation and their lack of magnetic fields. No one knows, at present, whether or not Pluto has satellites."

THE BATTALION Thursday, February 3, 1972 College Station, Texas

Remote Sensing Center awarded NASA contract

Center in Houston has awarded the A&M Remote Sensing Center a \$15,000 contract for continuation of airborne radar data studies.

director and principal investigator, said the objective is to develop means of remote sensing soil moisture conditions in support

Hydrology is the science dealing with properties, distribution and circulation of water on land surface, in soil and underlying rocks and in the atmosphere.

have shown it provides informa-

NASA's Manned Spacecraft tion for determination of sea surface conditions, such as wave height or sea ice types, Dr. Rouse pointed out.

Page 3

The research supports the Dr. John W. Rouse Jr., center NASA/MSC Earth Resources Aircraft Program which records sensing information throughout the U.S. and in several foreign countries.

A&M's work will define the utility, quality and potential application of the radar data for scientific analysis. The contract also supports development of computer models to predict the radar Previous studies of radar data return from various Texas soil types.



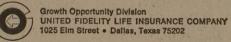
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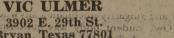
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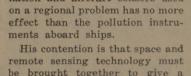
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"Using airplanes equipped with over large cities," Dr. Rouse said.

Dr. Rouse also said the problems cannot be handled by any one



global overview of the problem. "We cannot hope to understand this complex problem any other way," Dr. Rouse advised.

be brought together to give a

and was drawn into orbit of the

that the moon swept out the space

occupied by these original satel-

lites, either colliding with them

or forcing them from their nor-

mal orbits. In the latter case, the

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of hydrological studies.