New Method Of Measuring Air **Pollution Noted**

Radiation from the sky may air pollution in smogbound

of California graduate student discernible factor. working with ARS physicist C.H.M. van Bavel at the U.S.

while conducting experiments with soil temperature.

face when he found that the sky tion of sunlight on exhaust provide a means for measuring radiation measurements chang- fumes. ed drastically from hour to to be related to temperature, Jack Conaway, a University humidity, or any other readily

Water Conservation Laboratory, to the air pollution branch of An infrared beam of the right Weather satellites circling the technique and looked up the records ofhorizontal slant through the air ture with an instrument similar

ed radiothermometer to mea. Ozone, one of the chief air pol- radiothermometer, pollution ed population centers. sure the amount of sky radia- lutants in many heavily populat- measurement would be faster tion reflected from the soil sur- ed areas, is formed by the ac- and more effective.

hour. The changes did not seem ing pollution require taking data. samples of the air and analyzing it chemically. The size of van Bavel suggests one other

Phoenix, Ariz., invented this the local county health service wavelength, directed at a nearly earth record surface tempera-

Conaway and van Bavel emphasize that at this point their Present methods of measur. conclusions are based on scant

Besides pollution monitoring, on a hunch. Conaway went one time is therefore limited. ozone-radiation relationship:

ezone content in the air during above the earth's surface, could to the one used by Conaway. If the periods covering his experi- provide an instantaneous check ozone at the earth's surface afments. He found that the varia- of pollution over a large area. If fects earth-based measure-tions in ozone content and the ozone does affect radiation, as ments, it may also affect meaconsway was using an infrar- ures were strikingly similar. effect can be measured by a when satellites pass over pollutional productions in this radiation fig. Consway theorizes, and if the surements made from space consway was using an infrar- ures were strikingly similar. effect can be measured by a when satellites pass over pollutions and the surements of th



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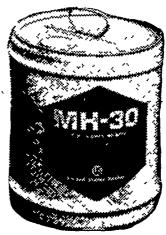
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