

Moon's Innumerable Craters Blow Holes, Scientists Believe

By DELOS SMITH
UPI Science Editor

New York—(UPI)—Scientists reproduced theoretical moon conditions inside laboratory bottles and came up with evidence that the moon's innumerable craters are blow-holes.

What was once blown through the holes was gas trapped beneath the moon's surface, the scientists reasoned, thus giving indirect support to the Russian scientist who recently reported seeing what he took to be a volcanic eruption on the moon.

Many scientists thought the Russian had made a mistake because volcanic eruptions we know on earth require extremely high temperatures beneath the surface, and the scientific evidence that the moon is a cold moon without any heat of its own, is all but overwhelming. But the evidence from the bottles shows

Court Records

DISTRICT COURT
Virgil E. Stuckley, failure to make traffic stop, \$10.
Blanche E. Roberts, violation of basic rule, \$15.
Pete Zimmerman, no tail lights, \$10.
David D. Legg, defective clearance lights, \$10.
George A. Folck, overload, \$32.50.
Frank Armstrong, failure to display public utilities commission license, \$15.
Alphonse F. Palowski, driving without lights, \$6.
Robert Stanley Chase, driving while under the influence of intoxicating liquor, route 4, Central Point, \$255.
Roland R. Todd, Central Point, drunk on public highway, \$50.
Violet H. Havelin, Central Point, drunk on public highway, \$50.
Iva I. Badger, route 2, Central Point, drunk on public highway, \$50.
Roy E. Myers, failure to make traffic stop, \$10.
Peter E. Meisied, no operator's license on person, \$10.
Fred E. Hutton, shooting on public highway, \$30.
Richard L. Davis, driving without lights, \$10.

MUNICIPAL COURT
Lewis Gene Hornsby, no operator's license in possession, \$5; following too close, \$10; parked on sidewalk, \$2.50.

CIRCUIT COURT
Betty Lujan Stephenson vs. Darrell Eugene Stephenson, divorce complaint.
Glenda G. Rogers vs. Kenneth W. Rogers, divorce complaint.
Enslin Whitlow vs. Howard W. Whitlow, divorce complaint.



Delos Smith

ed you can have cold volcanic eruptions.

A. G. Gaydon and R. C. M. Learner supposed that the moon's surface is composed largely of a fine, powdery dust. There is enough evidence that that is so for some scientists to believe the earth rockets which eventually reach it, will disappear without a trace into a deep outer-layer of dust.

They supposed further that large quantities of gas were trapped under pressure beneath this outer layer. Then the scientists turned to their bottles which were partly filled with magnesium carbonate, a very light powder.

Suction was applied to draw out the air trapped in the powder. Blow holes appeared on the surface. These were photographed and when the pictures were compared to pictures of the moon's craters, the resemblance was so close it was hard to tell one set of pictures from the other.

Made Own Craters
Gaydon and Learner repeated these experiments in bottles partly filled with such dry powders as sand, salt, and magnesium oxide, any or all of which could exist on the moon.

They introduced air into the bottles through tiny holes in the bottoms, so there was a continuous upward flow of air through the powder when the suction was on.

By releasing the suction suddenly, they caused blown-up hillocks of powder to collapse in the middle, reproducing even more realistic moon craters on the surface. While the suction was on, a fountain of powder rose from the blow-hole, when it was released, the suspended particles fell back, forming the steep inner slopes and the buttressed outer slopes that are typical of the moon's craters.

If their theory is true, it is to be assumed that the gas trapped inside the moon as it cooled from the state of a molten ball, has just about all escaped. The moon's craters were formed untold eons ago. But the possibility remains that small amounts still are seeping to the surface, which would account for the Russian's observations.

Poll Shows Democratic Legislature Will Get Along With GOP Governor

Editor's note: This is the last of four dispatches analyzing problems of the 1959 Oregon Legislature.

By DICK HUMPHREY

Salem—(UPI)—Can the Democratic controlled 50th Oregon Legislature get along with Republican Gov. Mark Hatfield?

A UPI poll showed today that the answer is a resounding "yes."

However, Rep. Keith Skelton (D-Eugene) would phrase the question a little differently: "The question is whether Hatfield can work in harmony with the Democratic Legislature."

Sen. Monroe Sweetland (D-Milwaukie) thought that, like President Eisenhower, Hatfield "might find the Democratic majority more favorable to some of his more constructive ideas than the minority party will be."

Drivers Reminded Of Using Lights

Medford drivers are reminded by the city police department about the need to "light-up" for other drivers.

Chief of Police Charles P. Champlin explained that it has been noted that some drivers still use parking lights for driving in fog during early morning or late afternoon.

This, he said, is a violation of law and a definite hazard to traffic since parking lights do not provide enough illumination to warn other traffic of a car's presence.

Fog may be a hazard in many parts of the state for some weeks yet and drivers should remember that when visibility is reduced, headlights on low beam offer the best driving help, it was explained.

Drivers should be especially alert for pedestrians or bicycle riders during foggy weather, the chief said. And he warned pedestrians to check twice before stepping into traffic when visibility is reduced.

Sen. Ben Musa (D-The Dalles) put it bluntly: "If they can't they should have their heads examined. The Legislature is no place for a breeding ground of partisan political fortunes."

Good Program
Rep. Bill Bradley (D-Gresham) said "The Democratic program will be a good program for the state. Since the Legislature is Democratically controlled it would seem to me that the responsibility of harmony lies with Gov. Hatfield. I believe Gov. Hatfield will recognize this responsibility."

If the legislative and executive can get along, another question is how long the 1959 legislative session will last. The 1957 session lasted a record 128 days.

Three or four legislators guessed at 100 days this time and most of them were hopeful of cutting down on the 1957 session time.

However, there were some pessimists.

Rep. Joe Rogers (R-Independence) thought the new Legislature might set a new record of 131 days.

Rep. Katherine Musa (D-The Dalles) said she was hopeful the session could be wound up quicker than last time but added "if they choose up sides and play partisan politics like they did last time, we may not get through by Christmas."

Oregon lawmakers were generally in agreement that economies could be affected by a reorganization of state government and that the governor probably should head such an effort or at least take a major role in it.

Rep. Clarence Barton (D-Coquille) pointed out that the governor "is a student of political science and as such should recognize the fields that need attention."

Rep. R. F. Chapman (D-Coos Bay) thought all government departments should be reorganized, but had no comment on who should head such an effort.

Skelton said he was not sure because Hatfield's administrative aide, W. A. Nunn, had told him that Hatfield intends to scrap many recommendations of the Interim Committee on Government Reorganization. He said he'd want a clear indication

of Hatfield's intentions before saying yes to the governor's leading reorganization.

He was for reorganization in principle.

Agricultural problems on which legislators think they can make some progress include:

... Reorganization of the Agricultural Department.

... Revision of the commodity commission act.

... Improving of relations between veterinarians and the Agricultural Department.

Rep. Al Flegel (D-Roseburg) thought there was very little progress that could be made on agricultural problems at the state level.

Rep. Ed Benedict (R-Salem) suggested an interim committee on agriculture to make a thorough study of Oregon problems.

Youth Honor Day Set in Resolution

Salem—(UPI)—Designation of Oct. 31 as youth honor day in Oregon is provided in a Senate joint resolution sponsored by Sen. Francis Ziegler (R-Corvallis) and Reps. Clarence Barton (D-Coquille) and C. R. Hoyt (R-Corvallis).

Another bill provides that the 4-H and Future Farmers buildings at the state fairsgrounds here must be used primarily for members of these two organizations during fair week. Use by other groups at other times in authorized.

Inorganic Nickel Aids Wheat Farmer

Beltsville, Md., (Science Service)—Inorganic nickel is coming to the aid of the wheat farmer. Field experiments indicate nickel salts, particularly chloride and nitrate, can control leaf rust of wheat. F. R. Forsyth and B. Peterson of the Canadian Department of Agriculture's research laboratory, Winnipeg, reported here. Applications of the nickel compounds eradicated wheat leaf rust and caused increases in yield varying from eight per cent to 21 per cent, a scientific paper distributed by the U.S. Department of Agriculture states.

LETTER PERFECT
Bonifay, Fla.—(UPI)—Just name a letter in the alphabet. Mr. and Mrs. Allen W. Bowlin of Bonifay have a son or daughter whose initials match it. Their 13 children are Audie Bryant, Curtis Drue, Ehra Faye, Grady Hampton, Ida Jeanett, Knola Leantha, Mil-lard Nathan, Olivia Penelope, Quincy Ruth, Sarah Thelma, Ulises Vinson, Wilson Xava, and Yon Zircle.

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