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January 31, 1958

Montana State University Weekly Roundup

FOR RELEASE WEDNESDAY, FEBRUARY 5

A gas liquefier has been installed in the Physics Dept. of Montana State University, Missoula, at a cost of about \$10,000, Dr. Rulon Jeppesen, department chairman, announced. The machine will aid in scientific research and will also permit substantial financial savings, he said.

The liquefier compresses and cools air to produce liquid air, which is used in various research projects by the Depts. of Physics, Chemistry, and Biology. In University experiments, the liquid air is used primarily to trap vapors in vacuum systems, Dr. Jeppesen said. By eliminating the need to buy the product commercially, the apparatus will save the University \$4,000 or \$5,000 a year, he estimates.

The unit can make five or six liters of liquid air an hour at a temperature of nearly 300 degrees (Fahrenheit) below zero, Dr. Jeppesen said. A liter is a little larger than a quart, he explained. From 10 to 12 liters a day are now being used in University laboratories, he added.

"This is a very efficient unit," said Dr. Jeppesen, adding, "It is quite an addition to any physics laboratory in any institution."

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PUBLIC ADMINISTRATION SCHOOL OPENS AT MSU

The 13th annual School of Public Administration at Montana State University, Missoula, opened Monday with 32 natural resources administrators from state and federal conservation agencies in attendance. The school, staffed by MSU faculty members, will be in session throughout February. It is sponsored by the U. S. Forest Service and the MSU School of Forestry and administered by the MSU Public Service