



River Pounds Omaha Dikes—Army barges bring in sandbags to bolster the levee protecting Omaha, Neb., from the flooding Missouri river. Levee workers saw what white men never had seen before—the Missouri surging past at 30.22 feet. Rain turned the area into a sea of mud. (Telephoto.)

Middle Grove Clubs Present Annual Spring Talent Show

Middle Grove—A local talent program was given for the April meeting of the Middle Grove Associated clubs at the school house Friday night.

Numbers were: Piano solo, Cynthia Kaufman; two accordion numbers by Gaylene Van Cleave; vocal solo by Jerry Lambert; piano solo, Carolyn Crum; instrumental duet by Billie Joe Slimak, cornet, and Freddie Schafer, French horn; piano duet, Jean Schafer and Ann Kaufman; instrumental duet, Lewis Patterson, playing the clarinet, and Steve Patterson, cornet; piano solo, Ann Kaufman, and as a closing number a recorded playlet, "The Peterkins Family," by members of the fourth and fifth grade pupils.

Mrs. Ernest Crum, secretary, conducted the business meeting in the absence of the president and vice president, and Mrs. Lewis Patterson acted as secretary pro tem.

A smorgasbord dinner was planned for the night of May 2. Hosts for the social hour were Mr. and Mrs. Wallace Turnidge and Mr. and Mrs. LeRoy Austin.

The final regular meeting of the 4-H cooking club, "Sugar 'n' Spice," was held the past week at the home of Gaylene Van Cleave. The girls have held the required number of meetings for a club year.

They have planned a wiener roast for Saturday, April 26.

Timberline, Inc., Buys Maple Burl

District Forester Rodney O. Fely of the bureau of land management announced today the results of a competitive sealed bid maple burl sale. Timberline, Inc., of Portland, was the successful bidder for an estimated 100 tons of maple burs at a record price of \$42.60 per ton.

This material was appraised at \$20 per ton. Harvesting of this product from O&C timberlands will take place in a tributary of the South Santiam river east of Lebanon in Linn county.

The maple burs are exported to Marshall plan countries where old world hand craftsmen make fine veneers and specialty products of intricate designs. This provides employment in those countries and gives them manufactured products to enter into world trade.

First Use of Monkey Lung as Substitute for Human Lungs

By FRANK CAREY
(Associated Press Science Writer)

White Sulphur Springs, W. Va. (AP)—First use of a monkey lung to provide an external substitute for the lungs of a human being during surgery was announced last week by a surgeon who said the technique kept several babies alive for a time—one of them for three hours.

The monkey lungs, freshly removed from the animals, were used in conjunction with a "mechanical heart" and were employed specifically to supply oxygen to the blood of the patients whose own heart and lung system were cut off.

One monkey lung was used for each of five human infants. All the babies were suffering from congenital heart defects, and gain more economic security. It further provides local employment in Oregon and increases the degree of utilization of forest products from bureau timberlands.

Timberline, Inc., and Alfred A. Loeb, Inc., the principal exporters of burls have developed special harvesting techniques to get the burls from the woods as rapidly as possible. The burls are then exported in a special water bath, so as to prevent them from checking or splitting before final curing. A new and profitable business has developed by the utilization of forest species and material that heretofore has gone to waste or been destroyed in the normal cause of timber harvest.

Dr. James said the Canadian monkey lung technique constituted another possible step toward the objective of perfecting substitute heart and lung systems for use in cases where temporary stoppage of the patient's own heart and lungs offers the only chance for successful surgery.

He stressed that the Canadian work and that of other investigators in this "substitute" system field is still in the experimental stage.

Several investigators have kept animals alive for long periods with such systems, and there

have been three cases where humans have been kept alive for short periods with the aid of purely mechanical systems.

But the Canadian work is the first in which the lung of an animal has been used as an experimental substitute for the lungs of a human.

It works this way: Blood is pumped out of the patient's veins by means of a mechanical heart. The blood then is fed through the monkey lung, which is caused to inflate and deflate automatically.

The lung takes in oxygen, which is then supplied to the blood. It also removes carbon dioxide from the blood. The blood ultimately is returned to the patient's body by means of a tube linked with an artery.

Battle Casualties
Washington (AP)—The defense department Monday identified 142 additional battle casualties in Korea in a new list. No 347 that reported 33 killed, 107 wounded, one missing and one injured.



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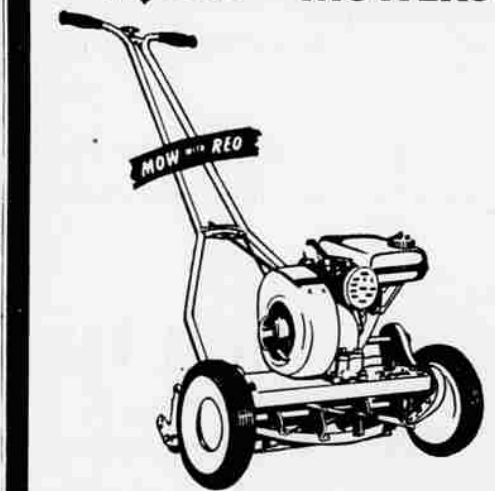
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