

Expert Advises on Way to Act During Thunderstorm

MILTON, Mass., July 17.—Get under cover if possible when a thunder storm threatens. If this is not practicable, lie down. That is the advice which Alexander G. McAdie, director of the Blue Hill observatory in this town and professor of meteorology at Harvard university, gives in an explanation of the action of lightning prepared for the Associated Press. He gives what he describes as "ten good rules to help people take care of themselves."

"In a battle," says Professor McAdie, "a hundred bullets are fired for each soldier killed. It is something like this with lightning flashes. There are a hundred discharges for every bolt of lightning that hits a person. Fortunately, too, of every hundred streaks of lightning about ninety are from cloud to cloud or spill-over discharges of moderate electrical energy and are mostly horizontal, doing no damage whatever."

"About ten flashes in a hundred come vertically, that is, down to earth in a straight line. Some flashes come sideways and seem to be crooked, although there are really no flashes zig-zagging like the teeth of a saw as artists generally depict lightning."

"The intense straight flashes are the ones to be feared, and it is a silly person who stands out in the open when such flashes are seen. He invites trouble, but the invitation is not always accepted. At this time of the year thunderstorms are frequent and there are a comparatively large number of fatal accidents. One reads in the press despatches that four men are walking along a New Jersey beach during a thunderstorm. There is a flash of lightning, one man is killed outright, one severely burned, and the others stunned."

"Now there is no protection for a case like this unless one could carry around with him a metallic cover well grounded. The first rule is then: Do not stay out on a beach or in a field when dark, heavy clouds are overhead or coming slowly from the west or south. Get under cover if possible. If this is not practicable, lie down. Don't remain standing."

"Second: Do not stand under a tree with thick foliage. You are forming a part of the line of discharge, since the body, more particularly the skin if moist, is a better conductor than the trunk of the tree. More people are killed by lightning in this way than probably any other."

"Third: Don't stand in the doorway of a barn or at a window in proximity to a chimney. There are currents of air or winds, and the lightning follows to some extent any draft or column of rising air, especially warm air."

"Fourth: Don't laugh at any one's nervousness during a severe thunder storm. There is a good reason to be nervous. Even if one is in a building that is struck the damage is, in ninety-eight times out of a hundred, confined to ripping out plaster or knocking off slates and tearing off any projecting timbers. But there are times when the storm clouds descend to earth and amid darkness the flashes are heavy and numerous. At such times there is danger. It is dan-

gerous to be near a chimney or a tree or a flagpole or a metal clothes line.

"Fifth: Stock should not be tied near a wire fence."

"Sixth: There is no particular sense in going to bed. Standing on glass or rubber or any good insulator, a woolen blanket for example, will give one a little more security and a great deal more confidence. The probability of a person in an ordinary residence building being struck is very slight."

"Seventh: If you are near a person who has been struck make every effort to resuscitate him. Only rarely does lightning kill outright. Mostly people are stunned, and all that is needed is a little artificial respiration to restore them to consciousness. Of course get a doctor quick."

"Eighth: If you are in a trolley car and a flash comes in and burns the fuses with a roar and a blinding flash, sit still. The danger is over, and while you may be frightened you are not likely to be hurt."

"Ninth: If you have a radio, better cut it out during a thunder storm. The antennae should be grounded direct and all wires, as far as possible, kept outside."

"Tenth: If your house is provided with good lightning rods you need not have much fear. Moreover, dwelling houses in city blocks are practically safe."

CHINA TURNING TO INTENSIVE FARMING

WASHINGTON, July 17.—A remarkable development of intensive agriculture in China is shown by a special study of farming in that country, just completed by the department of agriculture.

China has more than 59,000,000 farmers who, with their families, comprise 80 to 90 per cent of the nation's total population. Of a total area of more than 2,900,000,000 acres of land, about 212,000,000 acres are under cultivation, including 43,000,000 acres of wet lands used chiefly for rice production, and 16,000,000 acres of gardens and fruit orchards.

China ranks first among the agricultural countries in the production of rice, tea, silk, soy beans and grain sorghums, the report says, and is second only to the United States in tobacco and possibly in wheat production also. On the average China produces more cotton for commercial use than Egypt and, including production for local use, nearly as much as British India.

RAILROAD TAPS COAL DEPOSITS

HELENA, Mont., July 17.—Construction of the Rosebud branch of the Northern Pacific railroad from Forsyth, Mont., which will be undertaken this summer, will tap a deposit estimated to contain 350,000,000 tons of semi-bituminous coal.

Kodak finishing at Stinson's. 3tf

STEADY DECREASE NOTED IN HORSE POPULATION, U. S.

CHICAGO, July 17.—The tendency toward decreased horse breeding because of small financial returns promises a shortage in the horse population of the country unless measures are taken to rekindle interest in that business, the National Institute of Progressive Farming has asserted in announcing a survey of the horse situation. It quoted figures of the U. S. department of agriculture to show that there has been a decrease of about 60 per cent in the number of stallions in service in the United States since 1915, a decrease of 913,000 horses on farms between January 1, 1920, and January 1, 1922, and a decrease during 1922 of 203,000 horses.

Government figures, as quoted by the institute, show that the monetary loss for horses last year was \$29,180,000 and for mules \$8,843,000; that horses under one year old had decreased gradually in value from an average of \$47.95 in 1914 to \$26.12 in 1923; one and under two years from \$74.87 in 1914 and \$40.98 in 1923; and two years and over from \$119.77 in 1914 and \$75 in 1923. This depreciation in value, and high costs of breeding, according to the institute, have been largely responsible for that fact that many importers, breeders and showmen are seeking other lines of business.

There were 19,766,000 horses on farms and ranges in this country in 1920 with a per capita value of \$96.51 and a total value of \$1,907,646,000, the institute pointed out, quoting government figures again, compared to 18,853,000 head in 1923 with a per capita value of

\$59.75 and total value of \$1,314,956,000. The aggregate value of both horses and mules in 1922 was \$1,826,000,000, compared to the 1916-20 average of \$2,758,000,000.



MALIN

The baby clinic held at the high school Wednesday afternoon by Dr. Estella Ford Warner, assisted by Mrs. Glendora M. Blacky, state advisory nurse, and Miss Lydia Fricke was well attended. The women of Malin greatly appreciated this opportunity to have their little ones examined.

Mr. and Mrs. Powell went to

Klamath Falls Tuesday where Mr. Powell stayed for a few days for medical attention. Powell is slowly recovering from injuries received in a runaway several months ago.

The Rev. Hulet preached at the high school Sunday. He has been spending several days in the community this week in the interest of the community hall which is soon to be started.

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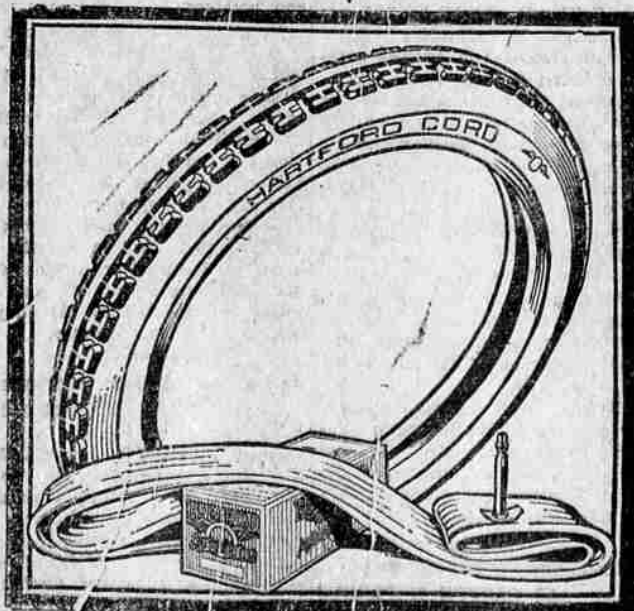
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