

PROSPECT Frozen Pipe Trouble

By FRANCES RING
Prospect—Many houses in the Cascade Gorge and Prospect area have been having trouble with frozen pipes. Some of the people who were gone for a few days during the holidays came home to find their pipes had frozen and burst. The temperature has been below zero down as far as Copco.

The Rev. and Mrs. George L. Fitch of the Church of the Nazarene were in Roseburg recently where they visited his mother, Mrs. Grace Fitch, at a Roseburg hospital. Mrs. Fitch is reported improved.

The Nazarene church held a skating party and watch night service New Year's Eve. They started the evening with a potluck supper and then after skating retired to the church for devotions and watch night service.

Mrs. Alice Conger, who is convalescing from major surgery, has moved to the home of her daughter, Mrs. Georgia McKibbin, for a few weeks.

Ray Shafer spent an unexpected visit at home with his parents, Mr. and Mrs. Everett Shafer, last week end. He is stationed at the Coast Guard base at Alameda, Calif.

The Prospect Play school, with Mrs. Larry Drake in charge, reopened Jan. 5. The school will still meet on Tuesdays and Thursdays but there has been a change in the time. It will now be held from 10 a.m. to noon so that the home economics class from Prospect High school may assist Mrs. Drake as part of their home economics training.

Mrs. Ira Ring arrived home

Better Marriage Figures Expected

Chicago—(Science Service)—America will have better figures on marriages and divorces as the result of plans being put into effect for 1960 by the National Office of Vital Statistics.

To fill in the gaps due to nine states without marriage central files and 15 states without divorce central files, sample records in those areas will be obtained from local officials who have the records. Then these results will be applied by modern sampling methods to give reliable figures that can be used by social scientists, market analysts, population experts and others.

Many countries have marriage and divorce data more complete than the United States. Dr. Hugh Carter of the government's national office admitted to the American Association for the Advancement of Science here. The new program will allow U.S. marriage and divorce figures to be compared with international records. The needs of hundreds of users of information on family formation and dissolution will be further met by a campaign to extend the registration area to uncovered states.

New Comet Named For Discoverer

Cambridge, Mass.—(Science Service)—A new comet, the first to be reported in 1960, has been discovered in the southern sky. The object has been named Comet Burnham after its discoverer, Robert Burnham of Prescott, Ariz., who found it while working at Lowell observatory, Flagstaff, Ariz. Burnham also spotted the first comet of 1958.

Burnham first spotted the comet Dec. 30, then photographed it again Jan. 2. It is too faint to be seen directly, even with telescopic aid, and will appear to be quite close to the moon for the next few days.

News of the comet's discovery was reported to astronomers by Harvard college observatory clearing house for astronomical information in the Western Hemisphere. Comet Burnham's position in the constellation of Pisces, the fishes, was calculated by H. L. Giclas.

Man-Made Sea Under Construction in NY

Great Neck, N.Y. (Science Service)—A man-made sea is under construction here to aid in the development of more efficient submarine detection equipment. The main limitation on underwater detection devices is the water environment itself. Sound travels through water for comparatively short distances only. The "sea" being built here by Sperry Gyroscope company is to be 400 feet long, 200 feet wide and 25 feet deep. It will facilitate testing of equipment in a controlled environment, free from unpredictable noises.

Soil Drainage Method Reported

Washington—(Science Service)—Excess water and crop-damaging salt accumulations can be drained from irrigated soil by the use of mole drains with vinyl plastic liners, the U.S. Department of Agriculture reported here.

On one experimental area near Logan, Utah, the outflow from each of five such drains 300 feet long, 22 inches deep and 3 inches in diameter, was said to be about 2½ gallons of water a minute. The drains also removed 117 pounds of salt a day from the 1½ acre plot. Water drained into a ditch at the edge of the test area contained 10 times as much salt as water applied, the USDA reported.



FLYING RADAR ANTENNAE—The Grumman WF-2 "tracer" plane is something new for the Navy's carrier-based warning squadrons. The saucer-shaped, 18-foot "radome" on top contains a long distance radar antennae which enables the plane to fly ahead of the fleet and detect the enemy long before he comes into range.

Causes of Speech Problems Spotted With Pictures

Los Angeles—(Science Service)—Hidden physical defects that contribute to speech problems are being detected by X-ray movies.

A movie technique, technically known as cinefluorography, is being used by the Cleft Palate Rehabilitation Team at the University of California Medical Center here.

The team consists of Dr. Franklin L. Ashley, Robert F. Sloan, Dr. Elise Hahn and Dr. William Hanafee.

The tongue of the patient is coated with barium, and the X-ray movies are made while he pronounces certain key vowel sounds—"ah," "ee," and "oo." Simultaneous tape recordings of the sounds are also made.

From movements of the tongue, pharynx, uvula and other components of the

speech mechanism during formation of these sounds, clues to anatomical defects contributing to speech difficulty may be obtained.

Difficult to Detect
Slight anatomical defects of the speech mechanism, such as excessive adenoidal tissue

'Man's Best Friend' Helps Own Kind, Too
Robinson, Ill.—The dog may be man's best friend, but he doesn't do badly by his own breed at times, Mr. and Mrs. Wilson Doaland will testify.

When a puppy fell into their fish pond and was unable to climb out, two other pups barked encouragement and howled for help until a neighbor heard the racket and made the rescue, the Doalands said.

or subtle malfunctioning of the soft palate, are often difficult to detect by conventional diagnostic techniques, the UCLA group pointed out. Study of the movies will, however, often reveal such defects.

Thus the cinefluorographic techniques have enabled the speech therapist to observe the progress of the patient and aid the surgeon and orthodontist in deciding whether surgical and dental reconstruction procedures may help the patient to obtain a more normal speech development.

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