

Leakage of Water from Dam Can Be Stopped Several Ways

LINCOLN — There are several ways of stopping water leakage in a dam, but it is advisable to find out how the seepage occurs before attempting to correct it.

John Steele, Extension agricultural engineer at the University of Nebraska, says seepage found at the toe or lower face of the dam indicates water is seeping directly through the dam or under it.

If no water is found at these spots, it is probably percolating into a gravel or sand layer, rock faults, or old drainage lines that were not closed during construction. If the water drops to a certain level and stays there, the leak is in the part of the pond above the water line. Draining the pond may help locate the leak and make it easier to seal," Steele points out.

Seepage can be stopped by puddling and compacting the problem area. This can be done by draining the pond and thoroughly compacting the "seep area" with a sheep's foot roller. Cattle and hogs can be used to trample and puddle the area. If the soil has a high percentage of sand and gravel, it may be well to blanket the pond bottom with a foot or two of clay soil.

Materials such as bentonite or volcanic ash may be used to stop seepage. These clay materials are used for sealing earth work and preventing water movement, Steele points out.

Bentonite can be applied by

the blanket or the sprinkle methods. The blanket method consists of draining the area, plowing or disking the surface to a depth of 4 to 6 inches, leveling with a drag, and spreading 1 to 2 bags of bentonite evenly over every 100 square feet of area to be treated.

The bentonite should be mixed with the top 3 or 4 inches of soil, using a disk, spike tooth harrow, or hand rake. The area should be rolled or tramped to obtain the original soil density.

When the pond is filled with water, the bentonite will swell and seal the soil pores making the soil water-tight.

A layer of pure bentonite also can be spread thoroughly over the bottom of the pond at the rate of 1 to 2 pounds per square foot. The sprinkle method is used when the pond cannot be drained, according to Steele. In such cases, the bentonite is sprinkled over the top of the water or ice.

It will sink to the bottom, swell and form a mat over the leaky area. This method is less dependable than the blanket, but it is also cheaper and sometimes gives good results.

It is extremely important to keep animals out of the pond as they will break the jelled surface.

Still another method has been recently developed for sealing leaks in ponds. This method involves the use of polyphosphate,

sodium tri-polyphosphate, or tetra-sodium hydrophosphate which are non-toxic, white granular or powder materials.

These are the same materials commonly used in household soaps and detergents. They may be applied with the blanket method mixing them into the upper layer of soil and compacting thoroughly.

These materials are not too satisfactory on sandy soils having less than 10 per cent clay or silt, Steele emphasized.

Merit System Offers Jobs in Civil Defense

Applications are being accepted for key positions in Civil Defense by the Nebraska Merit System. The Congress of the United States during the first half of this year appropriated funds for implementing PL. 85-606, the Federal Civil Defense Mobilization Act.

One of the requisites of this law is that the funds be utilized to expand civil defense organizations by adding paid personnel to State and local civil defense staffs. It is also required that persons employed under this law be subject to Merit System standards and procedures in obtaining employment.

Under these provisions the Nebraska Civil Defense Agency has established ten key State positions to administer and direct the civil and defense mobilization of the State and assist in the establishment, organization, and effectiveness of local civil defense so that all the State will be properly organized and provided with the necessary supplies for an emergency and that proper communications can be maintained.

Individuals can qualify for most of these positions without college education providing they have had the required type of experience and the required number of years of that experience. College education on a year-for-year basis can take the place of some of the required experience.

Interested individuals will find the necessary requirements given in Merit System Announcement Bulletin No. 132 posted in most Post Offices. Also, this bulletin may be immediately obtained by writing the Nebraska Merit System, 2002 State Capitol, Lincoln, Nebraska.

Positions of Administrative Officer, Operations and Training Officer, Fiscal Officer, and Supply Officer are in the salary range of \$405 - \$500. Communications and Warning Officer has a range of \$440 - \$570.

Positions of Administration—Women's Activities (Female), Administration—Community of Government, Medical and Health Coordinator, and Welfare Coordinator are in the salary range of \$400 - \$515.

The Supply Clerk (Male) has a range of \$295 - \$380 and requires certain types of clerical, commodity and supply experience. Most of the positions will be filled at the minimum salary.

The Civil Defense Agency will also be employing individuals in clerical positions, and other agencies under the Merit System are in need of such employees. Individuals interested in such positions should write the Merit System stating amount of different types of clerical experience they have had and a brief statement of their education and the number of years of training in typewriting and shorthand. Such examinations are given each week in Lincoln and in other towns as the need arises.

Examinations for the Civil Defense positions will be given the latter part of December or the first part of January. Applications for these examinations must be postmarked by midnight of December 22, 1960.

More detailed information and application blanks may be secured from County Welfare Offices, State Employment Offices, and Civil Defense Offices, as well as from the Merit System Office.

Mrs. Emma Jameson Dies Monday at Lincoln Aged 90

Mrs. Emma Jameson, 90, widow of the late Samuel Jameson, an early day resident of the Weeping Water community, died Monday at Lincoln where she made her home for many years. Owing to her age she has been at a rest home there.

She was an aunt by marriage to Bert Jameson of this city. Funeral services were held Wednesday at 2:30 at Umbergers chapel in Lincoln, Rev. Donald McCall of Tecumseh, officiating. Burial was at Oakwood cemetery, Weeping Water, with pallbearers Jay Kear, Lloyd Kear, Fred Ungelking, Watson Jones, Glenn Kurtz, Allan Casari.

Isobel Quigly, journalist: "A man who says he has no politics might as well admit to having no moral sense, no interest in others, and no connection with the world he lives in."

... CELEBRITY Makes History—



AS IT SOARS in the air from its launching pad 4,000 feet above Anchorage, the first Nike-Hercules fired from a metropolitan-area site and the first from a site in southern Alaska. Breathing smoke and flame, "Celebrity" blasted to 70,000 feet before arcing down on its target at 40,000 feet altitude more than 60 miles away. Men of Battery B, 4th Missile Battalion, 43d Artillery launched the missile at 2:14 p.m., Monday, November 21, with more than 150 spectators at the observation area on Fort Richardson. The factual launching was the first in a series of twice-a-week firings from Site Summit as part of U.S. Army, Alaska's Air Defense Artillery annual service practice. Southern Alaska missile units will complete the service practice about December 13.

The Second Surest Thing

By Carroll Kraus
School of Journalism

A majority of the members of the 1961 Nebraska Legislature now seem to favor a broadened tax base for the state, according to a poll conducted by the University of Nebraska School of Journalism depth reporting class.

Indications are that 25 of the 43 lawmakers would vote for the "right" bill that would broaden tax base.

Fourteen of the senators indicated they would not vote for either a sales, income or combination tax during the next session, and four others were undecided or wished to study the tax situation further before answering.

Thirty-seven senators answered the poll either by letter or by telephone. Other poll results and earlier voting records of the six non-answering legislators were used to complete the poll.

Although a majority of the senators indicate favor for a broadened tax base, differences of opinion as to precisely what type of broadening is needed and for what the collections should be allocated could prevent any legislation from coming about in 1961. While most of those in favor of a broadened base believe the combination of a sales and income taxes would produce the best results, others indicated a preference for one tax only and little backing for the other. And some senators would like revenue from a sales tax, for example, to be earmarked for specific purposes such as public schools. Others said the only acceptable bill would provide that collections go straight into the general fund, with allocations through budget requests.

The main reason most of the senators give in favor of a tax base change is that under Nebraska's present dependency on the property tax the home owner and farm owner bear an unfair portion of the tax load for operating state government. They also say that there is inequality within the property system itself among various classes of real estate.

A number said a new tax base was needed to provide adequate financing for public schools. Others said the property tax will be able to raise enough funds to meet expanded government costs in the future—without a tremendous increase in property rates.

Among both supporters of a broadened base and supporters of the property base, majorities concurred that more work on the present property tax structure will be needed if the law stays in effect. As one legislator put it, "This should be done in every session."

Of the 14 lawmakers who said they were against the broadened base, several thought that a new tax base would mean only higher tax payments and further inequalities. Some senators indicated little concern over "so-called tax problems." They noted that Nebraska is in an enviable position nationwide with low per capita tax rates. They thought tax changes were necessary only to the extent of "complete and proper execution of existing laws" along with elimination of government wastes and inefficiencies.

However, the State Supreme

Morrison speaks of would hardly be sufficient to finance the needed expansions he also wants—without an increase in property taxes.

Among the programs Morrison has advocated are attraction of new industry to Nebraska, development of new uses for agricultural products, accelerated water and soil utilization, and conservation, park and recreational development.

He differs markedly in his views on a tax base from Nebraska's present governor, Dwight Burney, a long-time advocate and legislative supporter of a broadened base. However, Burney, who will return as lieutenant governor in 1961, does not think that the recent Supreme Court invalidation of the two tax penalty laws will make a "big difference" in the push for a sales or income tax. He said, according to the information he had received, the penalties "have been causing people to move investment capital out of the state. If that is true, it would seem we're better off without those penalties."

Whatever the position of the governor and lieutenant governor in 1961, taxes are sure to be a big issue in the legislature—perhaps the biggest. Nearly all the senators answering the depth reporting class poll agreed on that point. The incumbents returning may remember the 1959 session when more than 160 tax-connected measures were introduced.

Besides eliminating waste and inefficiency, Morrison has advocated that school districts exhaust all possibilities for reasonable consolidation, since the districts are heavy taxers. The governor-elect admits that Nebraska may some day be forced to a sales tax by the fact that all our neighboring states have them. If the legislature should pass a broadened tax bill in the 1961 session, he has said he would sign the "right kind," just as senators said they would vote for the proper measure.

However, Morrison says he feels the sales tax "is the most unfair tax there is. It taxes the person who can least afford it."

He says he feels the income tax, however, is the most equitable but "the federal government is already in that field so heavily."

He contends that the property tax's main evil is that it tends to discourage home ownership, which he regards as necessary for a stable economy.

However, some government and tax authorities claim that the savings in government that

NEWS FROM AVOCA

Mrs. Henry Maseman

Friends received word that Mrs. A. C. Hansen is a patient in the hospital at Omaha, she has been there for quite some time and will have to stay for a longer time, her address is University of Nebraska Medical Center, 602 South 44th St., Omaha, Nebr. Mr. Hansen was formerly superintendent of schools at Avoca.

Mrs. Eva Bond attended the funeral services for her son-in-law Frank Stratton at Washington, Kansas Tuesday.

Mrs. Emma Rawalt returned home from a visit with her nephew Ralph Spencer and family at Scottsdale, Arizona.

Mrs. Carl Zaiser, the postmaster announces the post office will open all day Saturday, December 17 and 24th for Christmas mailing.

Mrs. Glen Stubbendiek, Mrs. Roy Berner and Mrs. Lesly Berner were hostesses at a miscellaneous shower Sunday afternoon at the Glen Stubbendiek home, honoring Miss Kaye Ber-

ner, Miss Berner and Bob Finn of Tecumseh plan their wedding Dec. 29.

Neighbors gathered at the Elmer Kepler home Sunday evening for a house warming. Those present were Mr. and Mrs. Ernest Emshoff, Mr. and Mrs. Stanley Emshoff, the Harry Kepler family, the Kenneth Wessel family, Mrs. Sophia Emshoff and Mr. and Mrs. W. O. Baler. The evening was spent playing cards. Prizes were won by Mr. and Mrs. Harry Kepler, Mr. and Mrs. W. O. Baler and Ernest Emshoff.

Debbie Reynolds, actress: "We decided a few days ago to get married now, so the children can have a real family Christmas."

Bathing suits point out the figure, but slacks reveal the facts.
—Skydivers, U. S. Naval Air Station, New York.

— Journal Want Ads Pay —

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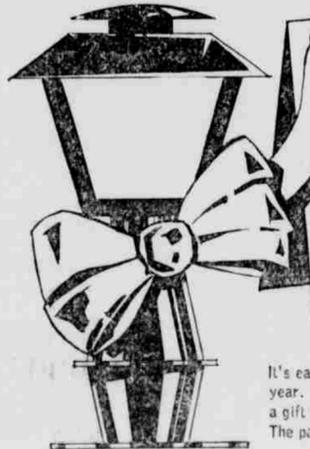
Young Men In Uncle Sam's Service

The Selective Service System of Cass Co., Board No. 13, inducted on Dec. 5, Marvin Leo Gawehn. The inductee went for his basic training at Fort Leonard Wood, Missouri, and is inducted for a term of two years.

Also Larry Jenkins, and inductee transfer to Burbank, Calif., was inducted Oct. 24. He is taking his basic training at Fort Ord, Calif.

Neilson A. Rockefeller, Governor of New York:

"I consider Mr. Nixon one of the vital forces in the Republican party, but I don't think, between elections, when a party loses the Presidency, that the party has an actual head."



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