

Board Of Control Orders Prison Production

SALEM, Feb. 1.—(AP)—The state board of control today found it right to order the production of flax in the middle of the controversy on whether the state should continue to encourage the flax business.

The board was visited this week by representatives of four flax companies who urged that the state continue operating its plant in the flax business.

On the other side of the fence, the members of the Willamette Valley Flax Association are bitterly opposed to the operation and have asked the state to discontinue making flax and leave the industry to private enterprise.

The co-ops say the state plant is needed to handle the crop and to fight off threatening foreign competition.

The association members contend that private industry cannot compete with the state, which is able to take advantage of cheap labor and outbid private enterprise.

Gov. Earl Snell says the board serves the state should "get out of the flax business at the earliest possible date so the industry can be operated by private enterprise."

However, the governor says that after reviewing the various angles of the situation "there is no doubt as to the advisability of stepping out of the picture at this time."

The board faces the serious problem of finding labor for cotton, and the state flax plant of employment for more than 100 persons.

Meanwhile, the board is struggling with the fence and from both chemical and political viewpoints it looks like the safest way for it to be at this time.

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GI'S POSE FOR JAP—A Japanese photographer outside the grounds of Hirohito's palace in Tokyo snaps two American soldiers posing with Japanese girls.

Radio Broadcasting May Be Aided By Radar Successes

WASHINGTON—(AP)—The first practical result of the army's radar contact with the moon is likely to be improvement of radio communications, according to signal corps scientists.

When the radar impulses reflected from the moon were recorded at the army's New Jersey experiment station on Jan. 10, it proved what scientists have long suspected—that ultra-short radio waves will penetrate the ionosphere, the multi-layered, electrically-charged upper atmosphere.

With this fact definitely established, scientists will be able to use radar to chart much more precisely the effects of the ionosphere on radio waves of varying lengths.

When the ionosphere is fully charged, vast improvements in many forms of radio communications will be possible, particularly in elimination of the so-called "skip zone." This is an area in which the radio signals of a particular transmitter are not heard, either because they strike the ionosphere at a too-oblique angle and penetrate it or because they are reflected at an angle that sends them past the skip zone.

To Avoid Skip Zone

With a full knowledge of the characteristics of the ionosphere, scientists say they should be able to adjust radio waves to avoid the skip zone entirely.

The ionosphere is composed of at least four layers of atmosphere carrying electrical charges of varying strength. The lower layer begins about 38 miles above the earth. The next is about 75 miles from the earth's surface, and top-most two 110 and 250 miles respectively.

Waves of different lengths are reflected from different layers, until finally the high frequency, ultra-short waves penetrate the final layer and are not reflected. These are the waves bounced off the moon and recorded by army radar.

Knotty Problem

The skip zone is one of the knottiest problems of present-day radio communication. Even commercial broadcasting stations may find their programs clearly audible 500 miles from the transmitter but impossible to receive 400 miles away because of a skip zone.

During the early months of the war, army scientists revealed, skip zones were not fully understood and resulted in "many serious losses" of allied aircraft relying on radio direction.

One flight of 40 allied planes, they said, found itself in a radio blackout while returning from a mission. The entire flight failed to reach its base. On another occasion, a transport plane lost contact with a ground station in Australia and crashed at sea with the loss of all on board.

Youths Who Stole Explosives Arrested

SEATTLE, Feb. 1.—(AP)—Police arrested nine boys, ranging in age from 12 to 16 years, yesterday and Police Capt. George Kimball said the youngsters had stolen "enough explosives to start a war" from Fort Lawton and navy vessels.

Police officers shuddered when they learned how the boys had tried to get powder from the shells and cartridges by pounding them on a vise, using files and wrenches to open some of the ammunition.

The boys told police they climbed a cliff and raided a Fort Lawton ammunition store, and had sneaked aboard navy vessels. The loot included mortar shells, anti-tank rockets, hand grenades and parachute flares, Captain Kimball said. Army officials said nearly all the stolen explosives had been accounted for, but Kimball said several highly explosive fuses which could be ignited by ordinary hand temperature or an overheated room were still missing.

Officers said the missing pieces may have been destroyed in a fire built by the boys on the beach.

An army spokesman at Fort Lawton said the explosives were kept in a regulation army magazine with a padlocked door, surrounded by a nine-foot barbed-wire fence. A rolling patrol looks the place over every 45 minutes, he said.

A construction boom following relaxation of building priorities after V-J day gave Denver its biggest construction year since 1928, the public administration clearing house reports.

The two-millionth shipment by air express in a single year is reported by the Railway Express.

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Retail Clerks Name Delegate To Council

Members of retail clerks local union 201 at a meeting this week chose Business Agent Lewis Steward as their delegate to the district No. 5 council of retail clerks, AFL.

Mrs. Steward, secretary-treasurer of the local, will accompany her husband to Portland Feb. 10, when they will attend the council meeting in the Benson hotel.

Don Carver took over the president's chair from Charles Hunger at the meeting.

Mrs. Steward reports that clerks of the following markets are 100 per cent union: Pk 'n Pak, M. & K. Super Market, Anthony's Market, Economy Market, two Irish & Swartz stores, and three Safeway stores (including the one at Springfield.) These contracts have all been signed since Nov. 13, and the one with Irish & Swartz has been in effect since September, Mrs. Steward said.

FSA Specialist To Be Here Monday

Harold Finnegan, farm ownership specialist from the regional Farm Security administration office in Portland, will be here Monday and Tuesday, reports Victor Kuhlman, Lane county FSA supervisor.

Finnegan is coming for the specific purpose of appraising a farm, on which a returning veteran has applied for an FSA farm-ownership loan. FSA, Kuhlman explains, has made every effort to reach the veteran, but he must have certain qualifications in order to meet requirements.

Jap General To Hang For Slaying Airmen

MANILA, Feb. 1.—(AP)—Japanese Lt. Gen. Hikotaro Tajima was sentenced by a U. S. military court commission today to hang and 13 other Nipponese officers drew lesser sentences for the execution of three U. S. navy fliers in November, 1944, on Batan island off Northern Luzon.

The American fliers, whose names were withheld, were bayoneted and beheaded.

By 1930 there were 23 miles of railroad track in the United States. By 1930 there were 429,883.

Active Club Hears Authority On Wines

Horatio F. Stoll, authority on wines, gave members of the Active club a brief course on the care and serving of wines at the Tuesday meeting of the group in the Eugene hotel. He was introduced by Carl Werner, field representative of the Wine Institute, and the man who managed Oregon's Victory Girl contests and the contest for the "undiscovered voice of America" in which Marie Rogn-dahl took top honors.

Stoll outlined the history of wine-making in the United States, pointing out that efforts had been made to operate wine industries in this country since the settling of Jamestown. Because of climate and soil, however, European varieties of grapes could not be grown in New England, and for some time wines were imported.

Since then, it has been found that all varieties of grapes can be grown somewhere in America. Stoll said that Oregon is admirably suited to growing grapes, and that in southern Oregon many varieties of European grapes could be grown. In 1944 1,140,000 gallons of wine were used in Oregon, he added, and of that amount, only 187,000 gallons were Oregon-made.

"There are just 12 types of wine," the speaker pointed out, "and these may all be classified under appetizer wines, white table wines, red table wines, dessert wines, and sparkling wines."

"Wine should always be served in crystal clear glasses, as one of its charms is color. And never serve more than two-thirds of a glass at a time. It is not a sign of hospitality to fill a wine glass to the top, and no one wants to juggle it to avoid spilling."

The three tests of a good wine are color, aroma and flavor, Stoll said. "If the wine pleases the individual on all three counts, then it is the correct wine," he added.

When pouring wine from a bottle that has a cork stopper, the speaker continued, the host should always wipe the inside of the mouth of the bottle to remove any cork that may have clung to the glass. The host should be served first, so that if any cork has remained in the bottle, he will get it, not a guest.

In describing the storing of wine, Stoll said that wine should always be stored in a cool place, and the bottles should lie flat so that the cork will remain moist and stay in tight. A dry cork is apt to shrink, let air into the bottle, and ruin the wine. If half a bottle has been used, the remainder should be stored upside down, with the cork tightly in the bottle.

In conclusion, Stoll said that white wines should be chilled according to sweetness before serving, and gave the temperatures for the serving of each type of white wine.

A 2,000,000-a-week highway construction program has been started in California, the American Public Works Assn. reports. Construction will continue until \$48,000,000 has been spent on the project.

Under the French regime, 11 governors ruled Louisiana during 14 administrations.

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Students Learn Unusual Feats In New State Health Program

With the inception in Lane county schools of a state-sponsored physical educational and health program designed to use 15 per cent of classroom time, youngsters are learning to do such feats as stork stands, fish hawk dives, treadmills and Dutch jumps.

The program is being developed in all schools under provisions of a law passed by the last state legislature calling for its planning, supervision, direction and evaluation.

A total of \$26,000 was appropriated to undertake the program to promote, develop and maintain among pupils at all age levels optimum physical growth, health and physical fitness.

"The physical education program," the law reads, "shall be so planned as to develop as minimum essentials normal symmetrical growth, organic vigor, strength and endurance, good posture, skills of bodily movement and coordination, and high levels of such qualities as agility, strength, speed, power, endurance, flexibility, balance and relaxation."

Varied Objectives
The health instruction program shall be planned to give instruction in personal hygiene, community health and sanitation, communicable diseases, nutrition, mental health, safety education, first aid, instruction in the choice and use of health services and health practices, instruction concerning the structure and functioning of the human body and the physiological effects of exercise.

Lane county's lady school superintendent, Mrs. Lucille L. Kennedy, responsible for carrying out the program through rural schools, describes a fish hawk dive's objective as maneuvering the student into a forward-bending, arms-outstretched, position which does get the proboscis on the level with shoe soles.

To become proficient at doing the treadmill, kids from the fourth to twelfth grades must learn to swing both arms and both legs in opposite directions in an acceptable coordinated fashion.

Test Of Balance
A stork stand is effected, Mrs. Kennedy demonstrated, by standing on one foot, extending both arms to the side and closing the eyes for one minute to test balancing.

Assistance is also given the students to learn to walk, run, jump, climb, throw, catch, strike, lift, fall, and develop rhythm in their movements.

In order to be instructed in relaxation, pupils will lie on the floors and their arms will be picked up in testing. Strength of back muscles will be developed by students lying, face up, across the upper leg of a kneeling fellow, without bending the spinal column.

County-wide instruction to teachers in beginning the program, formation of which has been underway since 1939, recently was given at Springfield high school, with Springfield boys and girls demonstrating the exercises under the direction of Miss Dorothea Moore and Harold Bishop from the state department of education in Salem.

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