

ATOMIC HEREDITY CHANGE SLOW BUT MOST CERTAIN

Oregon State College—Hereditarily effects of radiation from atomic bombing and similar exposures may not show up for several generations but will inevitably affect the future of the race. Dr. H. J. Muller, Nobel prize winner and professor of zoology at Indiana university, told those attending the annual Sigma Xi fall lecture here. Sigma Xi is the honor society for research scientists. Dr. Muller, making a tour of Sigma Xi chapters throughout the middle and far west said that high frequency radiation, such as

from X-rays and those from atomic energy is the only thing yet found to affect heredity, and then only if reproduction tissues are involved. Even minute exposure of such tissues, however, causes changes that will accumulate and lie dormant like time bombs ready to show up in the distant future when two characters similarly affected happen to meet. The delay in appearance is likely to make people unduly reckless of such effects, Dr. Muller warned. Want results? G-T Want Ads are a sure way.

WEED CONTROL BILLED TO OPEN SEED LEAGUE MEET

Methods and new chemicals for weed control will be featured on the opening day's program of the three-day meeting of the Oregon Seed Growers' league in Portland November 29, 30 and December 1, states Rex Warren, O.S.C. farm crops specialist. The opening day of the meeting, November 29, has been designated "commodity day" by President Ed Geary, Klamath Falls. Joe Belanger, Umatilla county spray operator and seed grower, is chairman of this part of the program. This is the first year a weed control program has been tied in with the regular meeting of the seed league. Warren believes that weed control is an important factor in seed production and will add interest to the meeting. Speakers to appear on the program include C. L. Cummings, Pendleton, who will discuss results of spraying 200,000 acres of winter wheat in the Columbia basin this last year. Virgil Freed, O.S.C. experiment station specialist, will discuss 2-4-D as a weed-icide. Other speakers will include representatives of chemical companies.

USDA LABORATORY MAKING PROGRESS ON WHEAT STUDY

Research with Pacific northwest white wheat at the USDA regional laboratory at Albany, Cal., is making progress toward finding new uses and more effective utilization of wheat from this region, reports Dr. D. D. Hill, farm crops head at O. S. C. who visited the laboratory recently as advisory member of the Oregon Wheat commission. Other commission representatives who inspected the work were William Enschede, Hillsboro; Millard Eakin, Grass Valley; and Richard Baum, Pendleton. One fundamental research project underway at Albany is aimed at finding a method of chemical analysis of wheat protein to show why one variety is better

suitable for a specific purpose than another. A second of the four regional laboratories at Peoria, Ill., is using a number of northwest wheats in starch utilization studies, Dr. Hill reports.

MODERN OSC DORMITORY ACCEPTED BY OFFICIALS

Oregon State College—Final acceptance of the new women's dormitory, Beatrice Walton Sackett hall, has been announced by the building committee of the state board of higher education which inspected the structure here recently. The new hall, occupied last fall in advance of completion of all details, is three-story brick construction and consists of four units each with a separately organized living room. The hall filled to normal capacity houses 312 girls. Each unit has its own dining room; social and recreation rooms, though all are served from a central kitchen, thus retaining the efficiency of large scale food preparation with the advantages of smaller unit living groups.

For each 16 girls there is provided a laundry center and kitchenette facilities. Dr. R. E. Kleinsorge, chairman of the building committee, praised the new hall as well designed and constructed according to the latest ideas for halls of residence. Financing of the building is by a bond issue backed by dormitory receipts.

REDUCED SPEEDS, CLEAR HEADS, SAFETY NEEDS

A warning to motorists not to let the holiday spirit dull their alertness and caution on Thanksgiving day and the following week end has been issued by Secretary of State Earl T. Newberry. Newberry pointed out that many travelers will stretch the Thursday holiday into a four-day week end with a resulting sharp surge from normal traffic. He listed early darkness, poor visibility, slippery roads, and heavier than usual drinking as the pri-

Vets' Farm Loan Program To Pick Up

The Oregon World War II veterans' farm and home loan program, temporarily slowed down due to a shortage of funds, should be going full swing again by the first of January, Director William F. Gaarenstrom of the state department of veterans affairs, declared today. There was good news also for a class of veterans heretofore deemed ineligible for the popular \$6000, four percent loan to buy farms and homes in Oregon. State Attorney General George Neuner ruled on November 8 that lack of citizenship is no bar to eligibility for the loan provided non-citizens were bona fide Oregon residents before entering the ar-

committee which approved the many factors in making the seasonal holiday a time of greater danger on the highway. "The danger can be minimized by careful, common sense driving," the secretary declared. "Reduced speeds and clear heads are life-savers in traffic."

med forces in World War II, and served 90 days or more. Gaarenstrom's prediction was based on recent action of the department's seven-man advisory

re-advertising of \$2,000,000 of bonds to finance the loan program after a scheduled sale on November 5 failed to attract bond buyers.

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From where I sit... by Joe Marsh

Television on the Farm

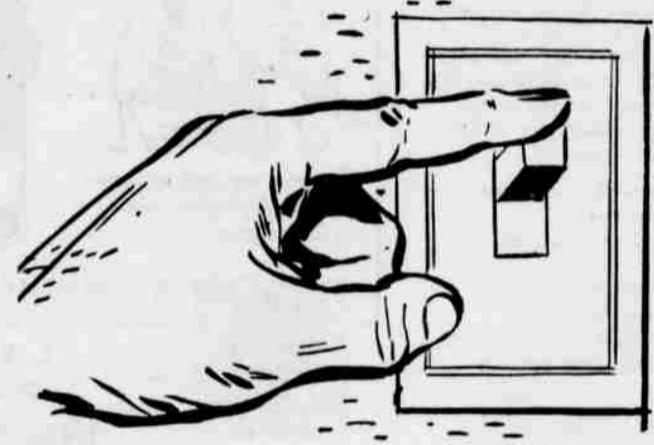
Buck Childs' home has become mighty popular ever since he got that television set—one of the few sets in our town, outside of Andy's Garden Tavern. Not only do the kids stay home nights, but the neighbors drop in to see whatever's being telecast. And Buck and the missus always make them welcome, with a mellow glass of beer or ale (with cider and cookies for the youngsters). While I guess everyone admits that television still has far to go, it's not hard to see that it will some

day be as much a part of American home and farm life as the temperate glass of beer that Buck serves, and the hospitality that goes with it. And from where I sit, anything that adds to gracious living in America—brings folks together for temperate, quiet entertainment—is a boon to this home-loving land of ours. (We're thinking of buying a television set ourselves!)

Joe Marsh

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Why Power Conservation between 4:30 and 6:30 P.M.

- Q. Why is "peak" power conservation necessary?
A. The Pacific Northwest has been growing faster than big new generating plants can be built. Power demands now equal the full capacity of all plants in the Northwest Power Pool, and will exceed capacity of the Pool during the winter season ahead unless everyone cooperates to save electricity over the daily peak hours of use.
- Q. What are the "peak" hours of power use?
A. At this season, the greatest demand for power occurs between 4:30 p.m. and 6:30 p.m., because it is getting dark earlier every day, and lights are being turned on everywhere while stores, offices and factories are still operating.
- Q. Do I need to conserve at times other than these peak hours?
A. No. You can still use whatever electricity you need before 4:30 p.m. and after 6:30 p.m.
- Q. How can I as a housewife help save power during peak periods?
A. By reducing electric heating to an absolute minimum between 4:30 p.m. and 6:30 p.m.; by planning meals which require less use of range elements or oven during peak hours; by doing all washing and ironing before 4:30 p.m. or after 6:30 p.m.; by turning off all lights not actually needed between 4:30 and 6:30 p.m.
- Q. How can business firms help during the critical period?
A. By turning off unessential lights between 4:30 p.m. and 6:30 p.m.; by planning use of motor-driven equipment during off-peak hours, wherever possible; by limiting or eliminating display and sign lighting between 4:30 p.m. and 6:30 p.m.; and by making it a daily habit to watch for any other possible savings of electricity during the peak period.
- Q. What are industrial users of electricity doing to help minimize the effects of the peak power deficiency?
A. Industrial plants throughout the Pacific Northwest are cooperating in many different ways to help with this regional problem. Some are changing their working hours. Others are rescheduling their use of power-driven machinery. Industry is doing its full part.
- Q. Is the conservation program uniform throughout the Northwest?
A. Yes. Every power system in the region is following the same general program, because the problem is the same everywhere. But each individual user of electricity knows best how he can do his part in the program. You may best be able to save electricity in one way, your neighbor in some other way. THE ESSENTIAL THING IS TO ACCOMPLISH THE SAVING! If everyone does his bit in this voluntary program, the necessary result will be accomplished without serious inconvenience to anyone. Otherwise, an overload will pile up and then only one thing can happen—a general breakdown of a vital public service!
- Q. How important is it for me to do my part in the conservation program?
A. No matter how small your own saving may appear to you, remember that there are about one million users of electricity in this region, and the whole success of this program depends upon EVERYONE doing his share. The person who turns off an unneeded 100-watt lamp bulb during the peak hours is playing just as necessary a part in the conservation program as the industrial plant which arranges to run a 1000-horsepower motor at some other time than between 4:30 p.m. and 6:30 p.m.

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