

# Ten Years In Prison For Red Aid

LONDON, May 1 (AP) — Dr. Alan Nunn May was sentenced today to 10 years in prison for violating the British official secrets act by disclosing restricted information, which his attorney said went to Soviet Russia, and concerned atomic energy.

May is a British physicist who worked on nuclear research in Canada during the war in the successful effort of the United States, Britain and Canada to create the atomic bomb.

He pleaded guilty.

The 34-year-old May, who was arrested last March, was specifically accused of communicating "to some person unknown certain information calculated to be, or which might be directly or indirectly, useful to an enemy."

Unspecified Enemy

The "enemy" was not specified, the prosecution declaring merely that it might be "any potential enemy."

His arrest, however, followed closely the launching of a Canadian investigation into alleged Soviet espionage activities which Canadian Prime Minister Mackenzie King said extended through the dominion into the United States and Britain.

Defense Counsel Gerald Gardner, in asking clemency for May, said flatly that the information the defendant was accused of disclosing was given to the Russians and that at the time of the offense—in February, 1945—the government had offered all possible technical or economic assistance to Russia.

**Beautyicians Elect Delores Korsen**

Delores Korsen was elected vice president of the State Association of Beauty Shop Owners at the recent conference in Portland. Ethel Borden, elected district president, was also selected as one of the featured stylists in the Modes of Yesterday and Trends of Today, style show.

The Klamath Falls Association of Beauty Shop Owners was incorporated at the conference and is now a member of the national association. The 1947 conference will be held in Klamath Falls.

**Parking Meters To Be Discussed**

Pros and cons of parking meters for the city will be discussed Friday at 10 a. m. at a meeting of Klamath Merchants association at the chamber of commerce.

Election of officers for the coming year will also be held at this meeting which is open to all merchants who are members of the chamber of commerce.

## Students Take Part In Fremont Play



Fremont Junior High school students presented a play as part of the program given in the Fremont auditorium Friday night. In this picture, left to right, Jack Bradshaw, Donna Cone, Joe Demetras, Carmel Finnigan, Beverly Daimer and Lloyd Hartley. The play was "Wildcat Willie."

## Northern Lights Explained By University Astronomer

By J. HUGH PRUETT  
Astronomer, Extension Division  
Oregon Higher Educational  
System

We were watching the delicate, gauzy fingers of the aurora borealis feel their way up the dark, northern sky. From a nearby group of observers was heard an inquiring feminine voice, "What causes it?" With seeming authority a man promptly explained, "The sun is shining on the huge icebergs in the polar regions, and its reflection goes so high into the frosty air that it is visible even from that great distance."

Arguments are plentiful against the "iceberg" theory, but the following statement alone is sufficient for its complete refutation: "Splendid displays are seen on our winter nights when the sun is not shining anywhere on our side of the earth in the region north of us, and when continuous darkness prevails for weeks over the polar ice."

**Beautiful Glow**

It is well known in laboratory practice that if a high voltage is applied to the ends of a long glass tube from which the gas has been exhausted to the proper degree by an airpump, a beautiful glow is produced. Neon street signs are examples. When the density of the enclosed gas is too great or too small, no visible effect is evident; the rarefaction must be just right.

The northern lights seem closely related to the electrical glow in tubes containing rarefied gases. Airpumps are not needed to reduce density in the

free air; only height. At three and one-half miles above the earth, the density is one-half that at the surface; at 20 miles, about one-hundredth, at 300 miles, air is practically non-existent.

Trigonometrical measurements of the heights of the aurora made in Canada and Norway indicate that during intense displays the bases of the luminous phenomenon are sometimes as low as 40 miles above the earth and the tops as high as 250 miles. The maximum brightness appears around the 60-mile height.

**Widely-Held Theory**

The theory most widely-held at present is that electrons (particles of negative electricity), shot off from very active sunspots, pass through—or are stopped by—the upper air where the density is of the right value to cause a glow such as that seen in laboratory tubes.

Dr. Stormer, the noted Norwegian authority, has constructed elaborate diagrams and models to demonstrate that theory and phenomenon agree. He has shown that those electron streams which arrive in the vicinity of the earth strongly react with the terrestrial magnetic field. They are deflected from a straight-line course and move in a large curve around the earth, thus easily getting into the night side. Spiraling down the earth's magnetic lines of force, they get

## Clinic To Be Held For Shasta Pupils

A clinic will be held in Shasta school May 2, at 9 a. m., it was announced today, for children starting school there next fall. A nurse will be on hand to check all the children.

This work is under direction of Shasta PTA and is free of charge.

## Dam At The Dalles Is Recommended

ASTORIA, Ore., May 1 (AP)—Construction of a dam at The Dalles, Ore., has been recommended by district and division army engineers, the Columbia Basin Fisheries Development league was notified today.

The project would include a dam a mile above The Dalles, navigation locks on the Washington side of the river, power plant, fishways, and other structures. The estimated initial cost, based on 1940 price levels, would be \$90,480,000 with installation of the first three of 15 power units.

Due to increasing sunspots, greater frequency and brilliance of aurora displays may confidently be expected during the next few years.

into the rarefied upper atmosphere and cause the glow, either directly or by induction effect.

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## Telling The Editor

Letters printed here must not be more than 150 words in length, must be written legibly on ONE SIDE of the paper only, and must be signed. Contributions following these rules, are warmly welcomed.

### TO SUBURBANITES

KLAMATH FALLS, Ore. (To The Editor)—I was surprised to find such a small crowd at our last suburban league meeting. These meetings are of vital importance to all property owners in the suburban area, and should be attended by all who are interested in the welfare of our community. The same questions of whether or not we will be put into the city limits or not will be discussed at our next meeting which will be held Friday, May 3, at the Altamont school.

These meetings are for your benefit, so please come and let's all get together for a better suburban community. The meeting starts at 8 p. m. We will be looking forward to a much larger crowd next Friday. If you have anything to talk over or discuss, the time and place is at these suburban league meetings so please try and come.

NABAKOWSKI, 1904 Derby.

### BUTTERFLIES

KLAMATH FALLS, Ore. (To The Editor)—Thanks for the article taking notice of the California Tortoise Shell butterflies known as Aglais californica to the entomologists. I think that to the natural things about us we should pay more attention so it is always gratifying when some one takes time out to mention an interesting event of nature.

Just to keep the record straight, however, I feel that I should offer a correction to two sentences of the article. This is in respect to the statements that Aglais californica spent the winter hanging on the brush and shrubbery of the hillside surrounding Upper Klamath lake in the Chrysalid stage.

It so happens that such a statement as applied to butterflies would be correct in 99 out of 100 instances but this is one time where such a statement does not apply. In the language of the entomologist this particular butterfly spends the winter in the imago form and not in the chrysalid form. Now just to save you from running to Mr. Webster I will translate the above statement into common every day language which means that the California Tortoise Shell has the distinction of hibernating over the winter as an adult insect, which in this case is the butterfly stage.

In the fall months when the weather becomes real chilly some members of the California Tortoise Shell tribe seek out a safe sheltered place that will make them a nice home in which to hibernate over the winter. The loose bark of trees, crevices in rocks and other natural shelters are sought as suitable winter homes. They are often to be found hidden under loose shingles of buildings and other spots provided by man. The exterior of our house is covered with drop siding and where the window casing covers this siding a series of sheltered nooks is provided which are the welcome abode of spiders and such. Late last fall I watched a Tortoise

Shell select and retire to one of these natural shelters.

Each species of insect has evolved its own method of surviving the winter season. A great number of butterflies utilize the chrysalid stage to cover this critical period but chrysalids are much more vulnerable to parasites than are adult insects hence we can surmise that this fact has played its part in the evolution of this insect group.

Entomologists do not know if the urge to hibernate is granted to all individuals of the Tortoise Shell group, the chances are that only a few are so gifted. The thing at which we marvel is not the mere state of hibernation but the fact that each generation of the Tortoise Shells have the knowledge of what constitutes a proper sheltered home in which to hibernate. This knowledge is passed on from generation to generation only thru the egg stage as each generation of adults passes out of existence after the eggs are laid and therefore one generation cannot learn by example of observing the

**Dr. Lamb Off For Portland**

Dr. E. D. Lamb will leave Friday for Portland to attend an alumni meeting of the University of Oregon medical school and will also attend a reunion of the class of 1917.

On Saturday there is the regular May council meeting of the Oregon State Medical society of which Dr. Lamb is councillor for Klamath, Lake, Malheur and Deschutes counties. Mrs. Lamb will accompany him north. They will return Sunday night.

action set by the past generation.

KENNETH McLEOD Jr.

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# KUHS Annual Student Body Play "She Stoops to Conquer"



Pictured above are four students having leading roles in the student body play, "She Stoops to Conquer." They are, reading left to right: Shirley Dalton, portraying Miss Neville; Gary Cruikshank, Mr. Hastings; Dave Williams, Mr. Marlow, and Marilyn O'Neill, playing Miss Hardcastle. Other major characters in the cast are Ted Reeves, Mr. Hardcastle; Gloria Mayfield, Mrs. Hardcastle; Bill Jones, Tony Lumpkin; John Ogle, Sir Charles Marlow; Bud Selby, Stingo, the landlord; Alyce Wells, Bet Bouncer, and Madlin Ellis, the landlord's daughter. Portraying Mr. Hardcastle's servants are Rod Allis, Harold Gillette, Dick Griffith, Delores Helfrich, Ruth Soder and Mel Stocklin. Mr. Marlow's servant is Lee Good.

**HIGH SCHOOL AUDITORIUM THURSDAY --- 8:15 P. M.**  
TICKETS ON SALE AT DOOR—ADULTS, 60c—CHILDREN, 30c

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Oregon State Legislative Board  
of the  
Brotherhood of Railroad Trainmen  
Klamath Falls, Ore.,  
April 12, 1946

Hon. D. R. Vandenberg,  
Judge of Circuit Court,  
Klamath County,  
Klamath Falls, Oregon

Honorable Sir:

It is with great pleasure and happiness that I have been instructed, to inform you, that Klamath Valley Lodge No. 974 of the Brotherhood of Railroad Trainmen, give to you, their endorsement and support for your re-election at the May 17th Primary Election, which will result in the election of Circuit Judge to Office, in this District.

With our best wishes for your success and victory in the coming election, I am

Sincerely yours,  
D. R. Howell  
D. R. Howell, Rep.,  
Representative, Lodge No. 974  
Oregon State Legislative Board.

W. A. Whitney, President,  
Brotherhood of Railroad Trainmen  
Cleveland, Ohio

T. J. Carson, Chairman  
Oregon State Legislative Board  
The Dalles, Oregon

L. H. Craver, Leg. Rep.,  
Klamath Lodge No. 557, B. of R. T.  
Klamath Falls, Oregon

Sec'y Klamath Valley Lodge No. 974  
Klamath Falls, Oregon

**VOTE 13 X DAVID R. VANDENBERG ELECTION MAY 17, 1946**

Pa. Adv.—Brotherhood of Railroad Trainmen