

### NEW-FOUND ACID IS MOST POTENT SPUR TO GROWTH

#### Pantothenic Acid Constituent of All Living Things, Is Described Before Scientists' Society Meeting

By HOWARD W. BLAKESLEE  
Associated Press Science Editor.  
CHICAGO, Sept. 13.—(AP)—The most universal stimulant ever found, a growth-promoting acid, was under discussion by American chemical society biologists today.

Even its name, Pantothenic acid, was new to most of them. Its discovery was reported by Dr. Roger J. Williams and Carl M. Lyman, of Oregon Agricultural college, who said they named it from the Greek meaning "from everywhere," because that described exactly where they found it.

found everywhere. They said it was a "constituent of all living things." They found it in humans, worms, plant molds, oysters, bacteria, algae and milk.

"It is probably safe to say," they stated, "that it is more widely distributed in nature than any known physiologically potent substance. It is apparently a simple acid substance."

Although they have not yet succeeded in getting rid of all the impurities, their latest extract, taken from liver, is so potent that a single droplet the size of a pin head speeds up the growth of yeast in 250 gallons of liquid.

Their experiments indicate that it is composed of long chains of carbon, hydrogen and oxygen. Neither sulfur nor nitrogen has been found in it, or any of the common combinations of carbon and hydrogen forming sugar.

Small Quantity Effective. In strength it falls between acetic and lactic acids. Yet one part in a billion appears sufficient to affect growth.

This indicates, they stated, that it probably is a catalyst, one of those minute chemical substances whose presence causes great chemical change without the catalyst being affected in the slightest.

There appears to be absolutely no difference between the acid extracted from the highest mammal or the lowliest bacteria or molds. It is soluble in water.

Shoes Affect Temper. This business of prognosticating the weather by aching feet can be stopped by changing the methods of tanning shoe leather uppers. Dr. John Arthur Wilson of Milwaukee told the chemists.

"When a person suffers bodily fatigue, mental irritability or general discomfort without apparent cause,"

### Women Drivers Reveal Queer Ideas In Tests

MELBOURNE, Australia.—(AP)—Some of Australia's future women motorists gave curious answers at an examination recently held at a driving school. Here are questions and answers:

- Q. Which of two cars has the right-of-way at a street corner?
- A. The one that gets there first.
- Q. What is the proper precaution to take when backing your car?
- A. Reverse the engine.
- Q. What is the magnet?
- A. The name of a thing that has something to do with the inside of a car.
- Q. What is the charging indicator?
- A. Your bill for oil and petrol.
- Q. What is the first rule of the road?
- A. Do not run into anything.
- Q. Where should you display the registration number?
- A. On your car.
- Q. What is meant by "short circuit"?
- A. Going around the nearest way.

There were 3506 motor accidents in Victoria within the first six months of this year.

he said, "it would be well to investigate the properties of leather in one's shoes."

"Even the tanners themselves have been concerned but little with the question of the relationship existing between the properties of leather and human comfort, devoting their time rather to the production of leather presenting a fine appearance and good wearing qualities in a shoe. Many of the important properties of leather have not been even recognized."

These include, he said, leather whose tonnage increases its shrinking in humidity by three-fold and accounts for the foot weather prophets.

### RELIEF PROBLEM STILL UNSOLVED

PORTLAND, Ore., Sept. 13.—(AP)—Falling at their meeting yesterday to agree on the amount needed to carry on Oregon's unemployment relief program until the end of 1934, members of the subcommittee to Governor Meier's relief committee of 32 decided to meet again within the next three days in an effort to reach a unanimous agreement.

Frank L. Shull, Multnomah county commissioner, estimated that more than \$17,000,000 will be required to take care of the unemployed in that period. He said the estimate was made on the basis of 27,000 persons needing help. Of this amount, the state would have to furnish \$12,000,000 and the federal government about \$5,000,000.

### LAKE OF WOODS CCC BOYS PLAN TO STAY WINTER

LAKE O' WOODS C. C. C., Sept. 13. (Spl.)—An article in the latest edition of the "Bulldozer," official publication of the conservation camp, says orders have been received for discharge of all members by September 30 or not later than October 15. They will, however, be given opportunity to re-enroll for another six months in the forest army. Those unwilling to again sign up will be returned to conditioning camps for later discharge.

A canvass of the Lake o' the Woods camps shows that out of 152 men from Illinois, 105 wish to stay. Out of 37 Oregon men, 32 intend to stay. Most of those desiring to go home give as reason, attendance at school, homesickness and anxiety of the "girls they left behind" to see them again.

The "Bulldozer" also says that information has been received from headquarters that the company 1642 at Lake o' the Woods will probably be quartered this winter in Owen-Oregon lumber camp number two, about 31 miles from the present camp and about two miles off the Butte Falls road. This location is expected to provide very comfortable quarters for the inclement season, including kitchen, car, storeroom, commissary and 25 bunkhouses of six-man capacity each.

### Holcomb Springs

The Fitzgerald brothers are busy with a force, picking peaches and claim that the quality is the best they have had for years. But their figs are a failure owing to the heavy frosts of last winter nearly destroying their trees.

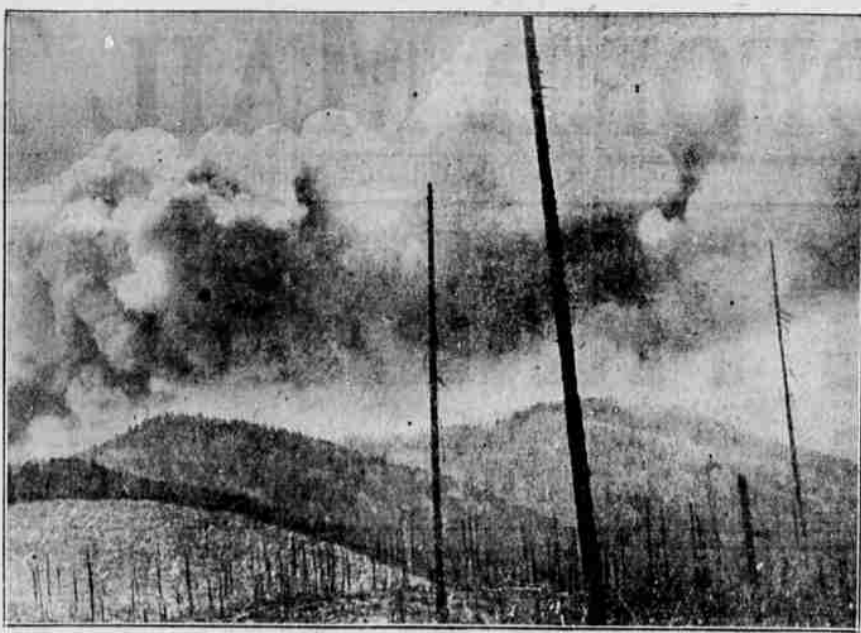
W. W. Edington has just completed his third cutting of alfalfa and reports a good crop with no irrigation.

Coyotes are plentiful and very bold for this time of year, coming very close to camp every night, with their music.

Among visitors at the Springs last week were H. R. Johnson, mother and son of Lake Creek; M. A. Kennon, Jacksonville; Mrs. John Rader, Eagle Point; Nick Young, Eagle Point; Miss Mary and Luella Edington, Sams Valley; and the following from Medford: Mr. and Mrs. Henry Owen, D. L. Rummel, J. H. Stanley, Mrs. Stanley, Jerry Bellou, David Stanley, Mr. and Mrs. C. M. Parker, Mr. and Mrs. Mel Collins, Mr. and Mrs. R. L. Hague, Howard Hague, Charles Franks, Miss Viola Scherer, Mr. and Mrs. R. C. Baker, Matthew Baker, Mrs. Sophenia Baker.

There's a busy Business College in Medford ready to help you succeed. Winter term (day or night) opens Monday, Sept. 18. OWN.

### Fine Trees Go Up in Smoke of Worst Fire



An area of more than 1,200 square miles was affected by forest fires which swept along a 40-mile front in northern Oregon. Here is a view of the flames in the Trask river section. In the foreground may be seen virgin timber, some of which was ruined by the blaze. (Associated Press Photo)

### BANKS' BOARD BILL PAID LANE COUNTY

The county court yesterday paid to Lane county the final bill for the board of L. A. Banks, former local agitator and murderer, now serving a life sentence in state prison. The bill amounted to \$64.10 and was for the period from August 1 to August 13. Banks was tried and incarcerated in Lane county on a charge of venue.

Hearing on the cost bills filed against Banks, Earl H. Pehl, Walter J. Jones, J. Arthur LaDieu and Gordon L. Schermethorn by Jackson county for the cost of their trials for murder and ballot theft will probably be held the end of the month.

Assistant Attorney-General Moody will be here September 20 to close up the cost bill details, preparatory to presentation to the court for decision.

The trials cost Jackson county more than \$25,000, and the actions taken under Oregon law are to recover as much as possible to lessen the tax-mill expense.

All the defendants have filed objections to the cost bills.

Florence Graves, accredited piano instructor, Studio 220 No. Oakdale, Phone 1042-W.

Ruth Luy Dance Studio, Sparta Bldg., now open. Tel. 1345-J-2.

### NORMAL EXPECTS BIG ENROLLMENT

SOUTHERN OREGON NORMAL SCHOOL, ASHLAND, Sept. 13.—(Spl.)—Every indication points toward a record enrollment at the Southern Oregon State Normal school this fall. Although the official registration day, September 18, is almost a week off, many students have already arranged their fall schedules in order to avoid the last-minute rush on Monday.

Increasing numbers of young men and young women of Southern Oregon are taking advantage of the junior college offerings of this school and are taking from one to two years of their college work at the Southern Oregon State Normal school.

Approximately one-third of last year's enrollment was in junior college work and it is anticipated that the percentage taking this work will be much higher this year.

Cougars Get Pets. HOQUIAM, Wash.—(UP)—Forest rangers in the upper Hoh river country were strongly in favor of bounty on cougars after rangers at the Olympus station saw cougars kill three pet deer.

APOLLO PIANO STUDIO—Class lessons for beginners 25c. Right foundation. 126 N. Holly.

O. E. Rose for Elbertas.

### CONSPIRACY CLAIM IS DECLARED SHAM

The General Petroleum corporation of California, in the suit against it filed by Guy Plummer, operator of a Riverside avenue service station, yesterday filed a motion to strike the portion of Plummer's amended reply referring to a "conspiracy."

The motion recites the claim is "sham, frivolous and irrelevant," because Plummer is "under contractual obligation" to purchase the General Petroleum product.

Plummer is suing the oil concern for \$1280 allegedly due for gas rebates, and \$5 per month, a total of \$1350.

The oil company makes a counter claim of approximately \$3000.

### TAX COLLECTIONS SHOW HUGE DROP UNDER '31 TOTALS

SALEM, Sept. 13.—(AP)—A drop of \$500,000 to \$600,000 in collections of personal income, intangibles and corporate excise taxes for the 1932 tax roll as compared to 1931 is predicted by the state tax commission.

Records of the commission show that personal income and intangible taxes were assessed for the year 1931, payable last year, in the amount of \$1,641,833. The 1932 assessment, payable this year, totaled \$993,404, of which \$647,826 was paid up to September 1.

The corporation excise tax for 1931, payable in 1932, was assessed at \$453,304 with \$443,496 paid. Assessment of the 1932 corporation excise tax, payable this year, was \$310,326, of which amount \$201,768 has been paid.

Notices for the second half collection of these taxes for 1933, based on 1932 returns, already have been mailed out.

The commission said it was difficult to determine accurately intangibles and corporate excise collections segregated by years for the reason that delinquent payments were being received almost daily.

The second half payments of these taxes, based on 1932 returns, are due October 1.

### ROTARY CLUBS TO VISIT LAKE O' WOODS CAMP

LAKE O' WOODS C. C. C., Sept. 13. (Spl.)—According to the "Bulldozer," C. C. C. camp paper, tentative plans have been made for the Klamath Falls Rotary club and at least a committee from the Medford club, to inspect the camp Friday afternoon, September 15. Plans for their entertainment, including music and boxing bouts, are being made.

It is believed that such a visit will prove mutually educational and will serve to give representative business from the two communities a better idea of the C. C. C.

### DAIRYMAN QUILTS; NRA TOO TOUGH

ELGIN, Ill., Sept. 13.—(AP)—Preferring to quit business altogether than to operate under the NRA, Benjamin A. Pearsall, head of a dairy company, today was preparing to close his plant at the end of the month.

In announcing his decision yesterday Pearsall said the National Recovery Act was all "coercion and fear, bluff and boycott" and said he would go out of business until it "blows over."

His chief objections to the National Recovery Act program he said, were centered in the Chicago milk shed code, which establishes a price of 10 cents a quart.

"I am selling at 7 cents a quart, cash and carry. Yet the government makes me sell at 10 cents, as against that price for delivered milk at a month's credit to consumer."

As an employer Pearsall has about 100 workers on his payroll.

Patients and attendants at the Nebraska state hospital at Hastings consume cabbage at the rate of 2,000 pounds a day during summer.

VIV'S WAVE SHOPPE new location—Hotel Medford, Vi Corby and Edna Brewold, operators. Tel. 1430.

SEVERIN BATTERY SERVICE  
Medford Made Batteries  
6 volt 13-plate \$3.20  
1 yr. guarantee  
Recharge, our make, 25c  
1532 No. Riverside. Phone 390

Phone 1300  
for Towing or Wrecker Service  
Anywhere—Anytime  
Lewis Super Service

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TUNE IN K G W "Stars of the West"... an NBC feature, every Monday night, 8:30 to 9 p. m. ... as refreshing as Acme Beer.