

### CHEMISTS LIVE TO GIVE SERVICE

Civilization Dependent Upon Laboratories Declares Willamette Pedagog

Chemistry lies at the foundation of the necessities of life, either directly or indirectly, and has served humanity down through the ages, particularly during the last quarter century, declared Prof. Florian Von Eschen of the chemistry department of Willamette university, in speaking on "Chemistry—the Science of Service," at the Rotary club luncheon Wednesday noon. Illustrations ranging from the intensified production of foods through soil analysis to perfumery and jewelry were given.

"The chemist is the man who first developed gasoline, made wood alcohol from trees, while German chemists are placing on the market wood alcohol from carbon monoxide and water," Prof. von Eschen said. "Cotton seed was regarded as a refuse until a few years ago when oil was developed and made edible until 500,000,000 gallons are now being consumed annually and the hulls used for stock food.

"When the silk supply became low artificial silk was developed through processing and treatment from wood and cotton and woolen articles are made from material that never saw the back of a sheep; artificial leather is offered that never came from animals while synthetic rubber is produced by the chemist at the rate of thousands of tons a day. Precious jewels are produced in the laboratory that contain the same elements and combinations found in the originals. Bristles used by brush manufacturers are made from wood as are many of the ivory products. Bakelite materials which are put to numerous uses are developed through formaldehyde and carbolic acid under pressure and heat."

Prof. Von Eschen told in detail the service rendered by the chemist during the war in the study of gases and the successful development of the gas mask; of the examination of unexploded shells and the development of illuminating, gas and flame shells and high explosives used in peace as well as in war. Cement, the foremost building material of today, is a product of the laboratory, he said, and while 60 years ago two pounds of aluminum were developed at a cost of \$240 a pound, in 1920, 180,000,000 pounds were produced at less than 50 cents a pound. From coal tar 99 per cent of the perfumes are manufactured while 80 per cent of the flavoring extracts never come from fruits. When the raw paper supply became exhausted in the middle west the chemist produced an excellent product from corn stalks. The list, he said, is nearly inexhaustible and nearly every article in daily use is the result of the chemist's service to the human race.

In thanking the speaker for his excellent talk, Charles Knowland told Prof. Von Eschen that the chemist could render the community a vast service and would receive the blessings of Salem people if he could by some miracle change the sulphide fumes from the paper mill to the scent of apple blossoms.

### COUPLE IS BEING HELD

MAN 26 AND GIRL 14 ARE ARRESTED AT AURORA

Dan Smalley, 26, of Enterprise, was arrested in Aurora Wednesday by Sam Burkhardt and Roy Bremmer, Marion county deputy sheriffs, and Lillian Riggs, 14, is being held as a result of a mes-



Two poses of Berta Beeson, with Ringling Bros. and Barnum & Bailey Circus

nage telegraphed to Sheriff Bowser's office from Enterprise. Smalley is now in the county jail.

Smalley is charged with having eloped with the girl three weeks ago. They were picked up in Aurora by Dewey Miller, marshal, who notified the Salem office, which had requested the apprehension.

According to Smalley they were married in Oregon City August 17. An unknown witness is declared to have sworn that the girl was 18 years of age. They are being held here for Enterprise officials who will return them to that city. The girl is said to be in a delicate condition.

### Bits For Breakfast

Raise more grain—  
Raise it in rotation—  
And feed more of it to live stock—  
And feed more of it to live stock—

And the fertility of the soil will be built up and conserved, and there will be a solid and lasting prosperity.

The poultry must have grains, too, and Salem must be made the Petaluma of Oregon, and more so. Our natural conditions are right. All we need is more and more good poultry men; yes, and poultry women.

Some one suggests that the mint business may be over done in the Salem district. That was suggested two, three, four and more years ago—and one of our farmers is selling his peppermint oil from 10 acres of mint for \$9200, taken from this year's crop, planted in April. And he has the peppermint hay left, for his fine stock.

Yes, the mint industry will be over done here. But, in the mean time, the other mint growers of this country, and of other countries, will be given a run for their money, in the American markets,

### GAINS IN BUSINESS DECLARED HIGHEST

Report of Federal Bureau Shows Activity Greatest During This Year

SAN FRANCISCO, Aug. 26 — (By The Associated Press)—In a report issued today John Perrin, federal reserve agent for the twelfth district composed of states in the Pacific slope, points out an improvement in business and trade first noted during June and continued during July. Activity during the latter month was near the highest levels of the year.

The report summarizes conditions as follows: "The prospect of satisfactory yields of the district's principal crops and favorable market conditions for crops and livestock were important factors in the maintenance of trade volume during the month. Industrial activity increased seasonally during July, and as in the previous month was above the level of a year ago.

"Gains in industrial employment were reported in all states of the district during July 1925 as compared with July 1924.

"The volume of credit extended by reporting member banks during July 1925 was the largest ever recorded, but borrowing from the federal reserve bank continued relatively small in amount. This bank's index of bank debits, an approximate measure of business in the district, advanced from 140 (1919 monthly average equalling 100) in June to 147 in July, due allowance being made for normal seasonal variation in the actual figures as reported by banks in twenty principal financial and business centers. A year ago the index stood at 131.

"Value of building permits issued in twenty principal cities during July was 7.5 per cent larger than the value of such permits issued during July 1924 and exceeded by three per cent the previous record figure for July, reported in 1923. The July 1925 figure was 15.1 per cent smaller than similar figures for June this year. The normal seasonal decrease from June to July has been estimated at 2 per cent.

"Lumber production at reporting mills of four associations in the district was 6.4 per cent smaller in volume during July than during June, the decrease being the result, chiefly, of the customary curtailment of lumbering operations during the first two weeks of July. Output of reporting mills was smaller than either sales or output which also decreased slightly during July and filled orders were larger and

and perhaps the world markets. The reason is, this is the only district in the United States that can produce the White Mischon mint, and our product is high in menthol content and excellent in flavor, and we can beat the world in number of pounds to the acre. The slogan man has been preaching for six years and more, that there is a mint of money in mint here. Any one can see it now, with peppermint oil selling for \$11.50 a pound, when it would be very profitable at \$3 a pound. And it would probably be better for the average grower if it could stay around that price permanently, and he could be sure of it.

If some of our farmers have cold feet on the filbert industry, they are invited to read the article in this issue by George A. Dorris of Eugene, the dean of the filbert growers of this section; which by the same sign means that he is the dean of filbert growers commercially for the United States. He knows whereof he writes.



In every home on farm buildings, implements, autos, etc., there are thousands of little spots where paint could be employed to save a surface, to brighten up with color, or to replace the wear of use.

Keep several cans of Rasmussen paint and varnish always on hand, with several good brushes, and attend to that sort of painting at odd moments. It will save more than the cost of the paint in added years of use and enjoyment.

Specify Rasmussen PAINTS & VARNISHES For Interiors. Wall-Dura Washable Wall Paint (Flat and Velvet Gloss); Racolite Enamels; Rasmussen Inside Floor Paint; Rasmussen Oil Stain; Rasmussen Floor and Varnish Stain; Rasmussen Bath Tub Enamel; Rasmussen Durable Floor Varnish. Sold by HUTCHISON PAINT COMPANY, 154 South Commercial, Salem, Oregon. Also by MT. ANGEL, P. N. Smith; WOODBURN, N. Becker & Son; MONITOR, C. V. Carmichael. Rasmussen & Company, Portland and Seattle.

stocks at producing centers smaller at the close of the month than at its beginning.

"Average daily production of petroleum in California increased by 2.4 per cent during July as compared with June and was 18.2 per cent larger than the estimated average daily consumption, which declined by 1.9 per cent. Increase in stored stocks of petroleum continued, the total of 114,113,419 barrels on July 31 being another new monthly record.

"Wholesale trade during July was more active than a year ago. "The general price level moved upward. The bureau of labor of statistics wholesale price index for the month stood at 160, compared with 157 in June 1925 in May 1925 low point, and 161 in February, the high point of the year. The index figures was 8.8 per cent higher in July 1925 than July 1924."

### POWER IS INTERRUPTED

ELECTRIC SERVICE HAMPERED BY BURNED POLE

Interruption to the electric power supply of Salem just before noon Wednesday was caused by the "breaking down" of an insulator which in turn caused a pole to burn off on the transmission line from Estacada to Salem at a point near the Brush Creek school just a few miles west of Silverton.

It is believed by power company officials that the "breaking down" of the insulator was due to its

having been cracked by some one shooting or hitting it with a rock, as the insulator has been in service for a number of years, and if it had been defective in manufacture it probably would have "broken down" soon after it was installed and put in service.

"If people who shoot at insulators and boys who throw rocks at them for amusement could realize the financial loss and even danger to life that is apt to be caused by their action, it is believed there would be fewer insulators 'broken down' from this cause," W. M. Hamilton, local manager, said. "It seems that an insulator may be only slightly cracked at the time it is hit by a bullet or rock but not actually 'break down,' due to electrical pressure, until weather and power conditions are just right to cause it to do so."

### Many Foreign Aviators Pay Visit to Portugal

LISBON — The International Aviation Camp at Alverca took on a truly international aspect during June, in which month more foreign aviators visited the camp than in any previous month. The first of the foreign visitors was a large British plane that gave a varied exhibition of aerial activity. Shortly after its departure for England a fleet of 14 Spanish planes soared over Lisbon.

The Spanish aviators were on a friendly visit to the airman of Portugal and a return visit by Portuguese flyers will be made in September.

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## New Chamber Groups Advanced Styles For Fall In French Walnut

3 Pieces—Bed, Vanity, Chiffonier \$15.00 Cash--\$12.50 Month No Interest



It is a group utterly new in design—of graceful lines—an ensemble of unquestionable quality. Finished in French Walnut, now so in vogue—decorative—all flat surfaces built exclusively of Walnut veneers, excellent character of workmanship noted in every detail. A new suite intended for fall selling—ten groups just arrived—and immediately featured at a price that is a positive revelation to those familiar with chamber furniture values.

The dressers are large and equipped with thick plate mirrors—the vanity a triple mirror style with six individual side drawers. The chiffonette is of convenient design with two enclosed trays and two deep drawers. The bed has full sweep bow ends and beautifully grained panels. A bench and rocker complete the suite priced at \$8.50 and \$9.50 respectively. The unusual pricing extends to individual pieces as well as the complete suite:

Bowfoot Bed \$42.50 Vanity \$72.50 Chiffonette \$47.50 Dressers \$67.50

## Unusual Rug Values In Axminster—Seamless Velvets

Never have new patterns shown such unusual appeal—never have color combinations given the harmony—as in the rugs featured here this week. It seems that every pattern, every color, the particular woman could possibly wish for is here—and every one of them offered at a saving.

9x12 Axminster Rugs Oriental design, Chinese adaptations, conventional and floral patterns, values up to \$62.50, while quantity lasts, choice \$47.50

9x15 Axminster Rugs High quality, long, thick pile numbers—a generous assortment from which to choose, unusual values at \$67.50

9x12 Seamless Velvets Fringed end style—in a riot of Wilton patterns and color combinations, taupe, blue and rose figured designs with delightful ground harmonies, featured at \$46.50 \$5 Cash—Delivers Any One You Choose



Now-- SALEM'S FINEST SHOWING OF "BIGELOW-HARTFORD" WORSTED WILTON RUGS

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## Are Your Teeth Bothering You?

WHEN your teeth are bothering you, the first step is to find out what the trouble is. You must go to a dentist, get him to examine your mouth and give you advice. A mistake in advice leads to all sorts of trouble, so it is highly important to get good advice in the beginning. Registered Dentists using the E. R. Parker System examine and treat so many patients that the advice they give is founded upon much experience. The man who does things over and over many times becomes very skillful, and you can depend upon what he says and does. If your teeth are bothering you, go to any E. R. Parker System office and have them examined without charge. You will find prices moderate for any work you need. Good advice, if followed, always leads to good results.



Painless Parker Dentist Using the E. R. Parker System State and Liberty Streets Salem

