

O. A. C. SPECIALISTS CAN'T DOCTOR SICK HEN, SAYS SPEAKER

All the experts on the Oregon Agricultural college, and other poultry specialists can't tell a poultry raiser what is the matter with a sick hen, Professor H. E. Cosby, specialist from O. A. C., told a large gathering of Lane county poultry raisers this morning at the Chamber of Commerce. On the poultry day program was R. E. Sheriff, representative of the Pacific Co-operative Poultry Producers, of Portland, who talked on marketing.

Professor Cosby stressed the importance of the study of the diseases of chickens and the reasons for the high death rate among the flocks. Few people realize, said the speaker, that the poultry industry in Oregon is valued at more than all the wheat, corn and oats raised and that it is the value of the \$308,000,000 livestock industry of Oregon. The livestock and fruit men have persuaded the legislature to set aside \$15,000 to be used in studying the diseases among cattle and fruit trees and it is very important that something similar should be done in the poultry line, said Professor Cosby.

Any old hen will lay in the spring but it has taken artificial methods to develop flocks with hens laying 250 or 300 eggs a year, declared the speaker. He said that possibly the raiser had carried the artificial methods to extremes and that they have been the cause of rheumatism, leg weakness and other diseases. Electricity is a new disease developing in flocks which have had their working day extended to 14 or 18 hours by the raisers, said the professor.

Mr. Sheriff told the growers that the Pacific Co-operative Poultry Producers' association had been formed to bring the Portland market up to a par with Seattle and that it had now surpassed the northern city and was equal to any egg market in the United States. Honest and expert management, business principles and the loyal support of its membership has made the poultry association one of the most successful of co-operative marketing concerns in the country, said Mr. Sheriff.

The Pacific association has 50 members in Lane county with about 14,000 hens. In the neighborhood of Portland it has 625 producers with 260,000 hens and in southern Idaho, 600 with 102,000 hens.

Mountain States Power Plant Is Modern One
(Continued from page one)

bon monoxide gas and free hydrogen. The gas as it comes from the generator does not contain a required number of heat units so it is next passed into the carburetor, a structure similar to the generator, but filled with hot fire bricks, where the gas is enriched with a spray of crude petroleum. The oil enriches the gas until it contains about 900 heat units as required by law in this state.

From the superheater the gas passes through a seal pot and into the condenser, scrubber and tar extractor. These three latter processes remove the tar and refine the gas. The gas then is run into the 20,000 cubic feet relief holder, which is the smaller one of the two large reservoirs seen on the south side of the local plant.

From the relief holder the gas is forced through the two large purifiers filled with a mixture of wood shavings and oxide of iron. The freezing of these two purifiers during the recent cold spell was the cause of the gas not being sufficiently purified and the noticeable odor when it was burned in the consumers' houses. From the purifiers the gas is measured by a meter into the large holder. The big holder which is the most conspicuous part of the gas plant holds 150,000 cubic feet of gas or about enough to run Eugene and Springfield one day. The main holder is one of the most expensive parts of the plant as it is probably worth more than \$30,000.

An excellent quality of gas is manufactured by the water gas process and in passing through the scheduled purifiers, the writer notices that only in the larger cities, where immense quantities of gas are manufactured, is the rate cheaper than in Eugene.

A substitution of the Springfield electric light and power plant is also located on the property of the Mountain States gas plant. Adjoining it is a substation of the municipal light and power plant and connections and switches are provided so that electric current may be furnished either system in case either has a breakdown or a need to make repairs.

The Mountain States Power company electric plant at Springfield supplies that city, Corvallis and Junction City in Lane county and helps supply Harrisburg, Albany and Corvallis and other towns outside of Lane county.

The plant is equipped with six steam boilers with approximately 2300 horsepower and with three electric generators of approximately 3000 kilowatt hours. The plant employs 14 men regularly and additional laborers from time to time. Its 1921 payroll amounted to \$38,000.

The electric plant runs by steam and the fuel is purchased from the Booth-Kelly Lumber company, which in turn buys electricity for power from the plant. Because of the cheap cost of fuel the plant can operate on as low rates as a hydroelectric plant and with a less expensive plant. The Springfield plant is "hooked" up with the Albany electric plant and together they furnish power for the smaller towns of the valley, allowing them to enjoy all the modern electrical privileges without being burdened by maintaining expensive plants of their own.

Probably no other public service concern in Oregon, excepting the railroads, have contributed more to the state's development than has the Mountain States Power company.

PORTLAND GRAIN
Portland, Ore., Jan. 20.—Wheat: Hard white \$1.12; soft white \$1.10; white club \$1.10; hard winter \$1.12; northern spring \$1.09; red walls \$1.06.
Oats: White \$27.50; oats, gray \$26.50; barley, brewing \$26.00; barley feed, \$24.00.

RAISED LARGE FIGS
What are thought to be the largest figs ever raised in this section, were sold several days ago by Harry McDole to the City market. They were 10 months of age, at the O. L. C. store, and the three weighed 10, 12 and 14 pounds. The figs were raised on a small orchard near the city and were forced from time of birth. The McDoles have made a reputation in raising first class figs but this is by far their best record.—Cottage Grove Sentinel.

They're All Reading About Our Greatest Sale SUITS AND OVERCOATS

OUR January Sales, renowned as the opportunity for economical buying, now presents the greatest values presented in years. Yes, prices are lower than you anticipate, but quality remains as important as ever. Whether for present or future use, no man or young man can turn aside from this great event—the event of years.

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ARBUCKLE TRIAL TO GO ON, SAYS BRADY

By M. D. TRACY
(United Press Staff Correspondent)

San Francisco, Jan. 20.—The case of Roscoe (Fatty) Arbuckle must proceed. That was the statement of District Attorney Matthew Brady today.

During the 24 hours summary that the case would be dropped had been freely circulated in San Francisco owing to the failure of Zey Prevost and Alice Blake, show girls, heralded as the state's star witnesses, to "remember" much of what they testified to before the grand jury and at the time of the first trial.

"We will proceed with the case and give it to the jury just as we would if it were the case of Bill Smith and not that of a rich actor with a battery of expensive attorneys and the motion picture interest behind him," said Brady.

Judge Louderback, presiding over the trial, was to decide today whether or not the defense would be permitted to attempt impeachment of the testimony of Josephine Keza, chambermaid, which she gave just before court adjourned yesterday. Arbuckle's attorneys sought impeachment on the grounds that her testimony given in a sworn statement differed from Arbuckle's first trial differed from that given in court.

Miss Keza is the chambermaid who claimed she heard cries of "Oh God, no, no," in a woman's voice coming from Arbuckle's room on Labor day and a man's voice answering "Shut up."

Attorneys admitted that the state's case was going through a serious crisis.

WHEAT BIDS HIGHER

Portland, Jan. 19.—Wheat bids were one cent higher at the Exchange yesterday, responding to the advance east, but otherwise there was no change in the local situation. A number of good-sized parcel sales were worked to Europe recently, but no new business if this character came to light. Japanese buyers declared they could get wheat cheaper in Australia than here. Cables from Europe also said Australia was offering wheat freely under the American export, having filled up the Indian demand. Argentina has become a strong competitor of the United States and will be a leading factor until she has disposed of her surplus. It is only the fact that farmers are not in a selling mood, dealers say, that prevents a slump in wheat prices in the Pacific northwest.

Cold Weather Affects Eggs.

The cold weather has caused an acute shortage of eggs in the local market. Buyers yesterday sent out orders offering 30 cents, case count, to country shippers, or 10 cents more than was bid about a week ago. The association made no change in its selling price, but the few eggs available on the street sold higher at 33 cents case count and 35 cents candled.

A carload of storage eggs is due from San Francisco. Under ordinary conditions they would not be at this late date, but with fresh stock so scarce it is believed they will sell readily.

If any change is made in butter prices, it will be an advance, as the market is very firm, but no change is contemplated by creamery men at this time.

Poultry receipts were fair, and with the demand small, the market had a weak undertone. Country dressed meats were firm.

New Skyline Pictures Show Many Resort Opportunities

Attractive opportunities for summer homes in the Cascade national forest are revealed in the large consignment of new pictures of the proposed Skyline trail which have been received at the supervisor's office. The photos were taken by F. W. Cleator of Portland, whose work is to assist recreation activities in the national forests.

"Wahluke lake is a potential summer resort of great beauty and many natural advantages," claims N. F. Macduff, supervisor of the Cascade forest. "It is located within two miles of the Cascade divide and only 14 miles from Odell lake, which is reached by a branch road from the Willamette highway. The distance from Odell to Wahluke is 25 miles. The lake is six miles long and one to three miles wide."

CHICAGO GRAIN REVIEW

Chicago, Jan. 20.—Grain prices were lower on the Chicago Board of Trade today. Outside buying was of fair proportions and there was a slightly broader trade in evidence. There was no great pressure to sell.

While no serious damage was reported as a result of the cold wave there has been no reported improvement in the poor outlook in the southwest.

Provisions were higher.
May wheat opened up 1-8 at \$1.14 1-2 and closed off 3-8. July opened at \$1.02 7-8 up 1-8, closing off 1.
May corn opened unchanged at 53 3-4 and closed off 1-4. July opened at 55 1-2 unchanged and closed off 1-4. May oats opened unchanged at 39 1-4 and closed off 1-2. July oats opened off 1-8 at 39 3-4 and closed off 1-4.

Wireless Phones on Uncle Sam's Lifeboats

Washington, Jan. 19.—(United Press.)—Life boats of the Coast Guard are to be equipped with wireless telephone sets, which will keep them in constant communication with shore stations while engaged in rescue work at sea.

Wireless phones for the boats were successfully demonstrated during the recent Coast Guard meeting in Atlantic City. They were invented and perfected by the Bureau of Standards, which developed the wireless telephones used by American submarines during the war.

At the Atlantic City demonstration thirty-six foot power driven lifeboats communicated easily with the shore while five miles out at sea. Such communication was made possible by the use of a loop or rolled antenna. An aerial antenna is impossible on the lifeboats because everything above decks must be clear for line throwing and because of the heavy weather encountered.

New Bridge Planned for Long Tom Near Elmira

A new bridge across the Long Tom river at Elmira to replace the old covered structure is being planned by J. W. McArthur, county bridge superintendent. The bridge will be put in on cedar piling and made strong to stand the high water in freshet time.

As the roads leading both north and west from Elmira are to be macadamized this summer it is planned to do the bridge work early so that it may be used for heavy loads.

THE three-piece costume consists this Spring of matching cape and dress. This type of street costume is shown in

PICTORIAL REVIEW PATTERNS

—FOR—

FEBRUARY

A summary of the new season's tendencies with costumes for every occasion appears in the

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3 phones 183