# MEDFORD MAIL TRIBUNE, MEDFORD OREGON, FRIDAY, APRIL 16, 1915

# PROFESSOR O'GARA WRITES OF

Pathologist Tells of Experiments ment would be to produce such in-Conducted to Ascertain True Ef- jury. We were all in the dark and the farming community knew about as to how to overcome the poteto tronfects of Smelter Gases-Many Sup- much as did the smelters.

posed Results Due to Plant and

Animal Diseases.

Demonstration Crops "On our demonstration and experi-ment farm we grew about seventy we charged the farmers with dishon-the needs of my department, I was crops, some for demonstration pur- esty in making their alleged chains, happily surprised to learn that the of an alleged attack in the near east, There were also a large number of religious heads,"

work.

county pathologist, and for the last to mention one crop, we grew twenty, thought re-ponsible for crop losses asked that it be increased so as to year chief pathologist for the Ameri one rons of sugar beets per arre with- must be the smelter. I have only provide for more work. Of course, I upon the map for more than 3000 of greatest currency, and, at the can Smelling & Retining company at out irrigation where only ten tons mentioned the potato crop as an in- am dealing with men who can appre-

gation. We did this without adding tically all the field crops growing in therein lies the difference between mixed character of east and west teigner. "My work here is progressing sat- any fertilizer, showing what was in the Sait Lake valley, isfactorily and during the year just the soil and what could be gotten out "Strange as it may seem, there has compared with the public. I have passed a great deal has been accom- of it by proper agricultural methods, been practically no plant pathological worked for both, and certainly appreplished. With the beginning of an- We grew flax, buckwheat, various work done in the Salt Lake valley, clate the difference. Of course, I other year's work we have increased millets, sorghums, all sorts of truck and the same may be said of the en- appreciate the value of public service the equipment and the personnel of crops and last, but not least, a fine fire state of Utah. Until very re- in that it has taught me many a good the department of agricultural inves- fruit grop from trees that had been cently plant pathology was not a lesson. I probably would not have tigations considerably. We have dur- abandoned since the time of Brigham part of the curriculum of any of the learned to know people and to judge ing the year twenty-five men doing Young. Our fruit exhibits from this state educational institutions. Even them so well as I am now able to do research work on the various lines of farm at the state fair was a sur- today there is not a chair of botany, if I had not been a public servant for agricultural research. In chemistry prise, We even had Newtowns that as such, at the state university, alone we have eight men. The divis- would have been the envy of Hon.

Seventy Species Fungi ions of plant physiology and pathol- John Westerlund. We raised cornogy, soils, agronomy, irrigation, en- that looked as though it had been "During the season of 1914 I found interested in what I am doing tomology, dairy and animal husban- imported from Nebraska and our no less than seventy species of econ- thought I would explain to you what dry, veterinary science, animal path- yield of rape figured forty-five tons omic fungi causing great losses to I have done during the twelve months ology, etc., are all well represented. I per acre. But the matter of growing crops, and which had not been re- since leaving the Rogue River valley. have chosen my men from among the fine crops was a more incident as ported from the state of Utah, insofar hest universities, such as Berlin, compared with the experimental work as I am able to find. I also found gards, I am sincerely yours, Munich, Buston School of Technology, in determining the effects of sulphur and described four new species of Horvard, Nebraska, Kansas, Jowa, dioxide on plants, ceonomie fangi. Much hetter work

California, Leland Stanford and oth-

#### Tested Staple Crops

damages were claimed.

Matter With Polatoes

Much Work in Research

61%.

a dollar.

Designs Apparatus

"Much of our apparatus for reg

lines than plant pathological lines, but "We tested practically all the stas there still remained an enormous

"it must be remembered that most ple crops, such as potatoes, corn, amount of work to be done in econ-"it must be remembered that most ple crops, such as polatoes, corn. amount of work to be done in econ-of the work is research, and for this beans, sugar beets, etc., and our re- omic entomology. In the dry farm UNIVERSITY ACTORS reason men of exceptional ability had suits were most astonishing. Strange wheat section of the Salt Lake valto be chosen, especially those in dians it may seem, the erop on which ley, where erop rotation has not been rect charge of certain fundamental the heaviest claims had been made for practiced, wheat growing has become problems. We are doing an annen-e alleged damages by smeller smoke practically profitless, due to certain amount of work on the offects of was potatoes. All the Salt Lake vol- insect agencies, principally the wheat certain gaves on vegetable and animal ley farmers were of the honest opin- straw worm and the sheath worm. life, and the very interesting thing ion that the sulphur dioxide gas from Our economic entomologist sprang tic club will present at the Star this an important trade route. It grew that struck us when we began looking the smelters had really killed their some surprises on these dry farm evening the four act drama entitled rapidly into wealth and power, and up the literature and trying to co-or. potato vines and completely mined wheat growers when he showed them "My Man and Lady," by Robert R. early took the lead among the cities dinate it with our results was that the crop. After careful experimental very plainly why the wheat plant grew Ramsay. This play is a very strong of Asia Minor. Ionian Greeks conother investigators were in error all work we found the potato so resistant only six to ten inches high. The plece tending toward the tragle and quered the city in the 7th century the way from 100 to 1000 per cent, to sulphur dioxide gas that if the po- farmers supposed that the grain had is sure to hold the attention of the B. C., and under these masters it As a matter of fact, no reliable qual- tato crop during the past years had been stanted by smelter smoke, but audience from the time the curtain played a leading role in the Ionian itative or quantitative data were at been injured, as the farmers reported, after being shown that insects were rises on the first act till it descends League, hand. We sought the best Europeean there would not have been living today responsible for the dwarfed growth on the last. It is considered one of authorities and found them woefully a single human being in the Salt Lake and reduced yield, they were satisfied the best plays the dramatic club has out of accord with the facts. It must valley. To visibly injure a potato that they had been in the wrong. be understood that our facilities for plant would require such a high con-Relations Most Pleasant

doing careful work are not limited, centration of sulphur dioxide that all and this is one reason why we can similar life under the same conditions do work which the other investigator of suphur dioxide concentration Lake valley. Although they know of crime, as he has become a "gentlecannot do, because he has to beg for would have been suffocated. This is that we are employed by the corporaalso true of other crops for which tion with which they have differed,

has been done along entomological

In making certain gas analyses we mological and physiological survey tion and advice,

pany. We gave the farmers the provide treatment without charge, it facts as to the causes which led to being our purpose to help the farmer SMYRNA DESERVES the loss of the pointo crop, as well and make him prosperous, believing SOLVING THE SMELTER PROBLEM the loss of the pointo crop, as well and make him prosperous, believing that both the great mining and smelt-as to the result of our experimental ing industry as well as agriculture ing industry as well as agriculture Imay find plenty of room in the Salt.

Lake valley without one industry en-Overcoming Troubles croaching upon the other's rights. "We also gave them instructions as

## Corporations as Employers

bles by careful seed and soil selec-"It has been a pleasure to work tion, seed treatment, cultivation and with the big corporation and to have irrigation, all of which has been much my efforts appreciated. When I pre- Describing the Turkish city of Smyr- dan, while Armenians and Jews make have separate elected councils, which poses, so as to show maximum yields. They had no information and natur- board of directors in New York not today's statement of the National Professor P. J. O'Gara, former others for experiment purposes. Just ally the one factor which they only approved of the budget, but Geographic society says:

working for a great corporation as port of a nextensive empire. a number of years.

"I want you to pardon this long

letter, but feeling that you might be "With my very kind personal re-

"P. J. O'GARA. "Chief in charge," "Salt Lake City, April 11."

AT STAR TONIGHT

Smyrna was founded by Acolian The University of Oregon Drama-Greeks upon the natural outlet of

**Captured** by Lydians Jealous of its tremendous riches put on in all the years of its exis- the Lydians captured and conscientence. The plot deals with a young tiously destroyed Syrna in 575 B. C. "It has been a real pleasure to man who has left home when very Their endeavors were so thorough Alexander the Great caused the city

The play is put on under the aus- to be rebuilt, and it was laid out with they have, nevertheless, treated us with the greatest courtesy. It has ford high school and local merchants the many beautiful buildings of this search work on the effect of certain "What, then, was the matter with been a pleasure to have them come to are helping the class to make it a new city was the Homereum, where gases on plants is of our own design, the potatoes? A pathological, ento- our farm and laboratory for instrue- financial success. Among those help- the poet, Homer, was worshiped as ing to back the play are Brownlee a hero. The Seleucidae declared the are able to measure accurately one showed that the poor potato had "We have done a lot of work on and Lindley, Shapleigh Hardware city sacred and inviolable.

loving nickname, It was called 'The squallid and forbidding. The Ar-Eye of Asia Minor." mentan and Greek sections were well

Quarter Million Population The city lies at the head of the

TITLE OF ETERNAL

Always Held Its Own

but mementary episodes in this city's

life, whose history stretches from the

11th century before the birth of

Christ down to the present day. It,

most truly, deserves the title of Eter-

nal City, for it, like the phoenix of

mythology, has ever renewed its

nerveless age by a more magnificent

outh.

CITY OF NEAR EAST The foreground of the port is level sharply contrasted cleantiness, and ground, while the background is cut the lovely water front. The strange gas. There is a population of more casion for the development of a curthan 250,000, of which about one- lous municipal government, The WASHINGTON, D. C., April 16,--- half is Greek, one-fourth Mohamme- Christian and Jewish communities

> European residents before the war, who, in the order of their numbers, UNCLE JOE REGRETS were French, English, Italian, Swiss

anida. and its significance in the world of "Smyrna was divided into five "Senutor Aldrich was one of the

trade. From the first, it has been a quarters, for the Turk, the Jew, the strongest legislators during his serrich produce exchange, a great car- Armenian, the Greek and the Euro- vice in the national congress; avansary, and an important harbor, pean. The Turkish and Jewish quart. "The republic is better that he receiving merchant fleets under every ers were devious, over-crowded, fixed. I sincerely regret his loss."



# Praise Lydia E. Pinkham's Vegetable Compound

Women from the Atlantic to the Pacific, from all sections of this great country, no city so large, no village so small but that some woman has written words of thatks for health restored by Lydia E. Pinkham's Vegetable Compound. No woman who is suffering from the ills peculiar to her sex should rest until she has given this famous remedy a trial. Is it not reasonable to believe that what it did for these women it will do for any sick woman?

### Wonderful Case of Mrs. Crusen, of Bushnell, III.

BUSHNELL, ILL-"I think all the trouble I have had since my marriage was caused by exposure when a young girl. My work has been housework of all kinds, and I have done milking in the cold and snow when I was too young to realize that it would hurt me. I have suffered very much with bearing down pains in my back and such miserable pains across me, and was very nervous and generally run down in health, but since I have taken Lydia E. Pinkham's Vegetable Compound my back never hurts me, my nerves are stronger, and I am gaining in health every day. I thank you for the great help I have received from your medicine, and if my letter will benefit suf-fering women I will be glad for you to print it."-Mrs. JAMES CRUSEN, Bushnell, Illinois.

#### A Grateful Atlantic Coast Woman.

Hopepon, ME.—"I feel it a duty I owe to all suffering women to tell what Lydia E. Pinkham's Vegetable Compound did for me. One year ago I found myself a terrible sufferer. I had pains in both sides and such a soreness I could scarcely straighten up at times. My back ached, I had no appetite and was so nervous I could not sleep, then I would be so tired mornings that I could scarcely get around. It seemed almost impossible to move or do a bit of work and I thought I never would be any better until I submitted to an opera-

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built, with wider, cleaner streets, and of more satisfying apeparance. The Guif of Smyrna, some 200 miles European section was Smyrna's southwest of Constantinople, with glory. Here were the finest thoroughwhich it is now connected by rall, fares, the most imposing buildings, a the sharp shoulder of Mount Pa. organization of the city hs given oc-

# DEATH OF ALDRICH

DANVILLE, HL, April 16 .- Former Salt Lake City, Uah, writes as fol- were made to grow before with irri- stance, but the same is true of prac- ciate the value of a suggestion, and has retained its ancient name, its useful tongue for the visiting for- death of Former Senator Aldrich,



Regardless of what any other merchant in Med ford may do, we will continue to give S. & H. Trading Stamps as heretofore. The S. & H. Green Stamp Company will redeem all S. & H. Green Stamp Books in cash after May 15th.