## PURE WATER SUPPLY WORRIES SCIENTISTS

purities and bacteria. The site has comfort and safety of human life.

been purposely chosen below the city's That the foulest water, full of disbeen converted; and this consideration breaking down of the dielectric. determined the directors of the United To sum up the advantages of ozoniza large rental for the opportunity to shows that:
use for their demonstration what their

1. Ozonization gives absolute bacengineer called the "rottenest water" terial purity; filtration does not. in Pennsylvania. The city of Phila- 2. Ozonization costs less for installdelphia is spending over thirty million ation and operation, the difference in dollars on a slow sand filtration plant some cases being only one-sixth for inin the hope of reducing the high death stallation and one-quarter for operarate from typhoid fever which has tion. long characterized the city. When the | 3. An ozonization plant can be built enormous outlay was authorized, the to supply the largest cities in a few art of water purification had advanced months; a filtration plant takes years. no further than sand filtration; and 4. The purifying machinery covers although it was known that sand fil- a few hundred feet in case of ozonizatration could only reduce the typhoid tion; in filtration any acres are needed. rate to a degree, and could not en- 5. With ozonization the nearest tirely eliminate the dread germ from body of fresh water can be purified the water, it was the best and most for human consumption regardless of selectific method of water purification its condition; with filtration this is not on a large scale then known to the possible in the neighborhood of large world. Purification by ozone was but cities. an interesting laboratory experiment. Since then an electrical genius has ad- purity is constant; with filtration it is vanced it to a commanding position- imperfect, intermittent, and dependent far above that of any previously on the care of attendants. known method of purifying water for 7. An ozonizing plant can have its cities. Suddenly the entire science of capacity doubled at slight cost, in public water supply has been revolu- little time, and with a reduction of the tionized. Great and costly filter areas, ratio of operating expenses; in filtrauncertain in operation, incomplete in tion, costs are doubled throughout and efficiency, and expensive to maintain, years of preparation are required. have in a day, as it were, been made | 8 . During epidemics ozonization obsolete and unnecessary. The vaunted gives the water supply absolute sterreduction of typhoid fever by sixty or lility; filtration can only do its best, seventy per cent becomes, by ozone which is imperfect. sterilization, a full hundred per cent.

unpolluted supplies, with the great cholera morbus and other summer discost of transportation, is now done eases involving great infant mortalaway with; for almost every city has, ity; filtration does not appear to at its own doors, water that can, by affect it. ozone purification, be made as whole- 10. Ozonization destroys the spores some as the best of mountain springs, of crenothrix, which fill the water and even freer from bacteria.

To the late Professor Tyndall is attributed the prophecy that before 11. Ozonization frees water from many years a city would be able to objectionable colors, odors and taste; take its sewage, and, by a perfected filtration does this imperfectly. system of purification, convert it into 12. Finally, ozone aerates and reits own water supply. It is not likely generates the water; filtration does that the great English scientist in-

and Ferry streets.

Have You Ever Ordered Your Groceries from

If not, you are away behind the times. However, they are al-

ways giad to see new patrons, and if you call on them, you will be

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If you have any idea of visiting the World's Fair this

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to reach the Exposition grounds, what to do when you

get there, how to see the Fair to the best advantage,

how to get a boarding place, and answers nearly every

Contains maps of the Fair grounds, of the City and

Free Information

At Philadelphia, on the banks of [tended his prediction to be taken literthe Schuylkill, a neat brick building is now in course of crection in which a million gallons of this filthy stream age and convert it into a clear sweet will be daily converted into pure, stream of sparkling water. This is sparkling water, free from organic im- science's latest contribution to the

shughter houses, where the river is ease germs and filth, could be purified teeming with microbic life, is foul to and sterilized by ozone and made fit the sight and smell, and as dangerous for human consumption was known to the taste as prussic acid, in order fully a dozen years ago. That the to demonstrate, beyond the shadow of same process of purification removed a doubt, the efficiency of a system of all objectionable taste, smell and color water purification which is destined to from the water was also known. Even revolutionize existing methods of sup- the tinge imparted to water by iron ply water to cities. Across the Dela- was found to be easily removed; but, ware river at Camden, a more conven- as already stated, this was at first but ient location could have been secured a laboratory experiment. Later some for this plant at one-half the cost of attempts at a practical application of that on the Schuylkill; but filthy and ozone to the water supplies of cities evil smelling as the Delaware river is, were made, but until the Dutch scienladen with disease germs as its sand tist, Vosmaer, invented a method of has been shown to be, its waters are producing the silent brush discharge clean in comparison with the open without the use of dielectries, the atnewer into which the Schuylkill has tempts invariably failed through the

Water Improvement Company to pay ation over sand filtration, the evidence

6. With ozonization the degree of

9. Ozonization destroys the bacillus, The necessity of seeking distant and dysentrine, the supposed cause of

mains with organic growth and diminish their capacity; filtration does not.

Lawrence



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Enroll in the I. C. S. and you will not have to look long. The demand for technically trained men is far in excess of the supply. Obtain the technical knowledge contained in one of our Courses and you will soon be one of the thousands that owe their success to our instruction. We can help you qualify at home, in spare time, and at small expense, for any of the following positions:

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INTERNATIONAL Correspondence Schools Box 799, SCRANTON, PA. OR CALL OR OUR LOCAL REPRESENTATIVES

Salem, Or., April 20, 1904. International Correspondence Schools, Scranton, Pa.

Gentlemen: In reply to your request asking for my opinion of your schools as a student, will say I am well pleased with your methods of instruction, and the faculty you have of making your lessons so plain and easily understood. Any person with a common school education cannot help but be benefitted by pursuing a course in which he is interested.

In so far as I have pursued my course, could not suggest any way to improve your methods of instruction. I beg to remain, Yours truly

FRED A LEGG. Class L. A. C. 625,334

Free Circulars R. W. WITTICHEN. Local Agent.

F. X. HOLL, Asst. Supt. McKay Bldg, 3rd P. Stark, PORTLAND, ORE.

Turner Items.

I. M. Waggner is visiting at the home of his granddaughter, Mrs. V. J. Edwards.

L. Cavanagh and his painter, Mr. Welty, were seriously hurt Tuesday by falling 20 feet in Mr. Cavanagh's new hop house.

I. N. Commons and family and C. A. Nordyke, of Scotts Mills, recently visted at the home of C. A. Bear.

M. W. Roberts, wife and son from Washington, are moving on the Duncan farm to take A. Smith's place, Dairying will still be continued.

The M. E. church is being papered and painted, and will be formally dedicated September 23d.

R. O. Thomas and wife are on a trip to California, the former to attend the meeting of the Knights Templar.

How Is This?

We offer One Hundred Dollars Reward for any case of Catarrh that caunot be cured by Hall's Catarrh Cure. P. I. CHENEY & CO., Toledo, Ohio. We, the undersigned, have known F. J. Chengy for the last 15 years, H. H. CRONISE, Agent, Corvallis. and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by his firm.

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and mucous surfaces of the system. bottle. Sold by all druggists,

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respects in the history of the state.

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The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh, Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

Address F. J. CHENEY & CO., Tole-

Sold by all druggists, 75c.

Take Hall's Family Pills for consti-

TIME CARD NO. 26.

No. 2 for Yaquina-

Leaves Albany .... 12:45 P.M. Leaves Corvallis .... ., 1:45 P.M. Arives Yaquina .... 5:40 P.M. No. 1. Returning-

Leaves Yaquina .... 7:15 A.M. Leaves Corvallis ......11:30 A.M. Arrives Albany .... 12:15 P.M. No. 3 for Detroit-

Leave Albany .... 1:00 P.M. Arrives Detreit .... 6:00 P.M. round trip, good to return Sunday. No. 4 from Detroit

time to connect with the S. P. south and from depot and steamer dock at bound train, as well as giving two or Astoria free of charge, and all tickets three hours in Albany before departure of S. P. north bound train.

Train No. 2 connects with the S. P. trains at Corvallis and Albany giving be honored on trains of this company direct service to Newport and adja- in either direction between Portland

Train No. 3 for Detroit, Breltenbush and other mountain resorts leaves Al. C. A. Stewart, agent, 248 Alder street, bany at 1:00 p. m., reaching Detroit Portland, Oregon, or J. C. Mayo, G. For further information apply to

EDWIN STONE, Manager. T. COCKRELL, Agent, Albany.

Excursion Rates to Yaquina Bay. On June 1st the Southern Pacific Company will resume sale of excursion tickets to Newport and and Yequina Bay, both season and Satur-Hall's Catarra Cure is taken inter- day-to-Monday tickets will be sold. nally, acting directly upon the blood This popular resort is growing in favor each year, hotel rates are reason-Testimonials sent free. Price 75c per able, and the opportunity for fishing. hunting and sea bathing are unexcelled by any other resort on the Pacific coast.

REDUCED EXCURSION RATES.

From S. P. and C. & E. Points to the Seaside and Mountain Resorts

for the Summer.

On and after June 1, 1904, the Southern Pacific, in connection with the Corvallis & Eastern realirlad, will have on sale round trip tickets from points on their lines to Newport, Yaquina and Detroit at very low rates, good for return until October 10, 1304.

Three-day tickets to Newport and Yaquina, good going Saturdays and returning Mondays, are also on sale from all East Side points, Portland to · Eugene inclusive and from all West · Side points, enabling people to visit their families and spend Sunday at • the senside.

Season tickets from all East Side points, Portland to Eugene, inclusive, and from all West Side points, are also on sale to Detroit at very low rates, with stop-over privileges at Mill City or any point east, enabling • tourists to visit the Santiam and Brei-· tenbush hot springs in the Cascade mountains, which can be reached in

Season tickets will be good for return from all points until October 10 • Three-day tickets will be good going on Saturdays and returning Mon lays only. Tickets from Portland and vicinity will be good for return via the • East or West Side at option of pase senger. Tickets from Eugene and vicinity will be good going via the Leb anon-Springfield branch if desired. Baggage on Newport tickets checked through to Newport; on Yaquina tickets to Yaquina only.

Southern Pacific trains connect with the C. & E. at Albany and Corvallis for Yaquina and Newport. Trains on the C. & E. for Detroit will leave Albany at 7 a. m., enabling tourists to • the hot springs to reach there the same day.

Full information as to rates, with beautifully illustrated booklet of Ysquina bay and vicinity, timetables, etc., can be obtained on application to Edwin Stone, manager C. & E railroad, Albany; W. E. Coman, G. P. A., Southern Pacific company, Port land, or to any S. P. or C. & E. agent Rate from Salem to Newport ...\$5.00 Rate from Salem to Yaquina ....\$4.50 Rate from Salem to Detroit ....\$3.60 Three-day rate from Salem to

Newport .... \$3,50

Summer Excursion Rates and Special Train Service Now On Between Portland and Clatsop Beach,

The summer schedule of the Asoria & Columbia River railroad has 15@15%c. been inaugurated between Portland, Astoria, Gearbart and Seaside, in connection with special round trip excursiono tickets to all Clatsop and North Beach points, and train leaves Union depot 8 a. m. daily and runs through direct, arriving at Astoria 11:30 a. m., Gearhart 12:20 p. m. and Seaside 12:30 p. m.

The Portland-Seaside Flyer leaves Union depot every Saturday at 2:30 p. m., arriving Astoria 5:50 p. m. and runs through direct, arriving at Gearhart 6:40 p. m. and Seaside 6:50 p. m. In connection with this improved

service, special round trip season tickets are sold from Portland to all Clatsop and North Beach points at rate of \$4.00 for the round trip, good for return passage until October 15. Special commutation tickets, good for five round trips, are sold from Portland to same points for \$15.00, good to return until October 16. Saturday special round trip excur-

sion tickets from Portland to all Clatsop and North Beach points on sale every Saturday at rate of \$2.50 for Tickets sold from Portland to North

Leave Detroit .... 6:30 A.M. Beach points are issued in connection Arrives Albany .... 11:15 A.M. with I. R. & N. steamers from As Train No. 1 arrives in Albany in toria and baggage is transferred to sold by the O. R. & N. Co. from Portland to Clatsop and North Beach points are interchangeable and will and Astoria.

For additional information address F. & P. A., Astoria, Oregon. Seaside souvenir of 1904 will be mailed to your address free upon application. Write for it.

O. C. T. CO.'S PASSENGER STEAMERS and Altona leave for

Portland daily except Sunday at 7 a, m. Dock: Foot of Trade Street, M. P. BALDWIN, Agt.

## MARK ET QUOTA TIONS TODAY

Make Salem a Good Home Mario

Poultry-at Steiner's Market Eggs-Per dozen, 22e, Hens-8c. Young chickens-Sc.

Harritt & Lawrence. Eggs-Per doz., 22c.

Hop Market Hops-19@25c.

Potatoes, Vegetables, Etc. Potatoes-1%c. Onions-21/2c.

Second growth-\$5.75.

Wood, Pence Posts, Etc.

Arb-\$3.00 to \$8.75. Grub oak-\$6.50. Cedar posts-121/c. Green Hides, No. 1—Sc. Green Hiues, No. 2-4c. Calf Skins-4@5c.

Sheep—75c. Goat Skins—25c to \$1.86 Grain and Flour Oats-Buying, \$1.10 per cwt. Barley-\$21 per ton. Flour-Wholesale, 2.75.

Live Stock Market Steers-2@21/2c. Cows-1@1%c. Sheep-\$1.50@2.00. Dressed veal-4@5%c. Fat hogs-5@5%c.

Hay, Feed, Etc. Baled cheat-\$10@\$11. Baled clover-\$9. Bran-\$22.50. Shorts-\$24.00.

Eggs, Butter and Cream. By Commercial Cream Co. Eggs-16c, cash. Butter-221/2@25c. Butter fat-22%c, at station.

PURTLAND MARKET. Wheat-Walla Walla, 79c. Valley-83c. Flour-Portland, best grade, HES

\$4.70; graham, \$3.50@4.00. Oats-Choice white, \$1.20@1.25. Barley-Feed, \$20 per ton; tolled

Millstuff-Bran, \$19.00, Hay-Timothy,\$14@15. Potatoes-Fancy, \$1.25@1.40. Eggs-Oregon ranch, 23@24c. Poultry-Chickens, mixed, 91/2@10%

per pound; turkeys, 14@16c. Pork-Dressed, 614@7c. Beef-Dressed, 4@6c. Veal-6@7c.

Mutton-Dressed, 4@5c. Hops-1903 erop, 22@25c. Wool-Valley, 19@20c; Eastern 0 gon, 10@17c; Mchair, 30c for choice

Hides-dry, 16 pounds and upwards Butter-Fancy creamery, 221/20



AND UNION PACIFIC Three Trains to the East Dally. Through Pullman standard and tourist sleeping cars daily to Comba Chicago, Spokane; tourist sleeping cars daily to Kansas City; through Pullman tourist sleeping cars (per sonally conducted) weekly to Chice go; reclining chair cars (seats free) to the East daily.

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