

**Lime-Sulphur--Its Use as a Fungicide and an Insecticide**

—By—  
Prof. P. J. O'Gara, Pathologist. Written especially for the Medford Mail Tribune.  
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(Twelfth installment.)  
**General Recommendations.**  
Throughout the pages of this bulletin, the reader will have gathered the following important facts. First, lime-sulphur is a fungicide and an insecticide; second, it is a very caustic spray and the commercial concentrations even considerably diluted are not recommended for summer spraying in the Rogue river valley; third, for our purpose, that is to say, for the Rogue river valley, the lime-sulphur diluted according to the table given should be used as a dormant spray; fourth, this dormant spraying is best done in the spring as late as possible and before the buds begin to burst open; fifth, lime-sulphur, although showing considerable efficiency in the control of peach blight, or shot hole, and anthracnose of the apple, is not recommended since its sticking qualities are not so good as Bordeaux mixture which is always applied in the fall before the rains begin.  
While the spring application controls San Jose scale, peach moth, pear leaf blister mite, and peach leaf curl perfectly, and the same cannot be said of the woolly aphis, green aphid, red spider and apple mildew. The fact that the woolly aphis inhabits the roots of the apple trees, makes it rather difficult to get at. However, if the spray is applied when the wintered-over lice are migrating, and are not yet covered with their waxy coat, they may be destroyed in very large numbers if the lime-sulphur is applied heavily to the body and crown of the tree. It is also a good plan to bare the roots at some distance from the base of the tree before applying the spray. On the other hand, the green apple aphid lives over winter in the egg. These shiny, black eggs may be found on the young shoots or twigs clustered around the terminals. The eggs may be killed by a strong application of lime-sulphur if applied late enough. Too early applications are not effective. The complete control of these plant lice has not been secured by lime sulphur, but it has been practiced for a number of years, through lime-sulphur spraying has been practiced for a number of years, trees once badly infested were completely free from infestation. The complete control of woolly aphis and green aphid will require summer spraying with soluble oils, kerosene emulsions, or tobacco black-leaf. This will be taken up in a future bulletin.  
Red spider is most easily controlled during the summer by the use of dry sulphur, and is not considered here as a serious pest. The peach twig borer, or peach moth, has not been very serious in this district, and while it may be controlled with lime-sulphur, arsenate of lead is now used effectively as a spray during the growing season. Apple mildew may also be controlled by thorough spraying with the lime-sulphur iron sulphate mixture as previously noted in this bulletin; the time for application being the same as that for San Jose scale. However, complete control often requires an-

other application after the trees have bloomed or when the first codling moth spray (arsenate of lead) is used. The two are mixed together without injury or without either one breaking down. The lime-sulphur spray in the spring of the year does not control the peach blight or apple anthracnose and, therefore, should never be applied with that end in view. As has been previously stated, it sometimes happens that the spraying cannot be done in the fall, and a considerable amount of infection may take place during the winter. In the case of anthracnose of the apple no further damage, or injury, will be done by the fungus after the growing season commences. However, in the case of the peach blight, or peach spot disease, the infection on the twigs may pass over onto the fruit and produce a diseased condition, making the fruit unsalable. While weak solutions have been used successfully during certain seasons in the control of this disease, it has also happened that both the foliage and the fruit were badly damaged by the lime-sulphur. It is therefore, recommended that the self-boiled 8-8-50 formula, given elsewhere in this bulletin, be used. The time of application will vary somewhat with the season. Generally if the amount of infection on the tree is not great, a single application about the first week in May, will effectively control the disease; on the other hand, if weather conditions have been favorable to the growth of the fungus (rainy, foggy spells) two more applications may be necessary, the second coming toward the latter part of May, and the third about the first week in June. These are only tentative dates, and should not be followed absolutely. Always remember that summer spraying demands very close attention to weather conditions.  
To those who have read the preceding pages carefully it will be seen that particular stress has been laid upon the prevention of infection and infestation by fungi and insect pests. In the case of the fungi, it is always prevention that must be understood. Once the parasitic organism gains a foothold, no external application will prove effective for the particular infection. A peach fruit once spotted by the peach spot fungus cannot be cured. The fruit is lost so far as its market value is concerned. A leaf of an apple tree once mildewed cannot be cured. The infection might have been prevented. In the case of insect pests, the idea of spraying rather than the killing of insects already on the tree. Of course, we kill insects already there, but the most important result is the prevention of further infestation. Very often a fruit grower will say, "What is the need of spraying, my trees are perfectly clean?" The answer is, "That is the very reason why you should spray." If we could get everyone to spray regularly and scientifically, there would be fewer call fruits, wormy fruits, sealy fruits, etc., which are always a dead loss to the grower and a poor advertisement for any district.

**PORTLAND NOW FIGHTS BAKER**

**Efforts Made by Eastern Oregon City to Secure Lower Freight Rates Fought by Portland Chamber of Commerce.**

SALEM, Ore., Feb. 28.—Baker's demand for a greater consideration at the hands of the Oregon and Washington Railroad & Navigation company in the way of distributive and special commodity rates has been taken up for investigation officially by the railroad commission. Baker has made a demand similar to one made by the city of Medford for distributive rates as favorable or almost as favorable as those enjoyed by the larger shipping centers such as Portland, Spokane or Seattle.  
Attorney Arthur C. Spencer of Portland, is conducting the case for the railroad company. Attorney F. H. McCune of Portland, is the attorney for the Baker Commercial club, the plaintiff bringing the complaint against the railroad company. Attorney Spencer put on the stand General Freight Agent F. W. Robinson of the Oregon & Washington Railroad company and he read into the records a stupendous amount of statistics and figures showing the business relation of the business of the road to the different cities and centers of population in Oregon.  
**Would Mean Tangle.**  
The railroad company expects to prove that to give Baker these concessions would plunge them into a hopeless tangle from which they could never expect to extricate themselves. Every city of any size would soon be demanding distributive rates in order to place them on an equal with those cities that had already been granted numerous commodity rates.

**ORRINE SAVES THE DRUNKARD Wives and Mothers Will Be Glad to Know About This Reliable Treatment—Can Be Given Secretly—An Opportunity to Try It at Our Expense.**

ORRINE is the standard remedy andis everywhere recognized as the most successful and reliable home treatment for the "Drink Habit." It is highly praised by thousands of women, because it has restored their loved ones to lives of sobriety and usefulness, and the weekly wages which at one time were spent for "drink" are now used to purchase the necessaries and many comforts for home. Any wife or mother who wants to save her husband or son from "drink" will be glad to know that she can purchase ORRINE from Leon B. Haskins, and if no benefit is obtained after a trial, we will refund the money. We take this liberal offer because we believe that ORRINE will prove an efficient and in restoring the "drinking" husband or "drinking" son to a life of sobriety and usefulness. We are glad to bring this "message of hope" to the wives and mothers of drinking men. We want them to avail themselves of the opportunity to give this wonderful remedy a trial at once. Accept our liberal offer—today.  
Walter K. Schmidt Co., the well known druggists of Grand Rapids, Mich., have been selling ORRINE a number of years. Read what they say:  
"For a number of years we have been agents for ORRINE. During that time we have had occasion to be convinced beyond a doubt, that ORRINE is a reputable remedy, worthy of recommendation. One of the many cases coming to our attention, a mechanic earning \$22.50 per week, who had not taken a full pay envelope home for over five years was induced to try ORRINE, a complete cure being the result. The man became worth more to his firm, receiving an advance in pay, and has purchased a home. The house stands there showing the merits of ORRINE. We cannot help but feel that we were most fortunate when we secured the agency for this reliable liquor cure."  
ORRINE is prepared in two forms. No. 1, secret treatment, a powder, absolutely tasteless and odorless, given secretly in food or drink. ORRINE No. 2, in pill form, is for those who desire to take voluntary treatment. ORRINE costs only \$1 a box for Free Orrine Booklet (mailed in plain sealed envelope) to ORRINE CO., 632 Orrine Building, Washington, D. C. ORRINE is recommended and is for sale in this city by Leon B. Haskins, Medford, Ore.

**CITY NOTICES.**

**ORDINANCE NO. 451.**  
An ordinance establishing sewer district No. 13 in the city of Medford, Oregon, and defining the boundaries thereof.  
The city of Medford doth ordain as follows:

**Section 1.** That the district included within the following boundaries in the city of Medford, Oregon, is hereby established and declared to be in sewer district No. 13, to-wit: Commencing at a point on the westerly boundary of the city of Medford, 2.5 feet due north from the north line of Jackson street; thence in a north-easterly direction along the corporate limits of said city to the southwest corner of the John S. Miller southeast land claim; thence east along the boundary line of said city to the west line of Riverside avenue; thence south along the westerly side of Riverside avenue to the north line of Jackson street; thence west along the north line of Jackson street to the place of beginning, excepting and reserving therefrom blocks 1 and 2 of the Oak Park addition to the city of Medford.

And it is hereby declared and ordered that trunk line sewers and laterals be constructed in said district sufficient to care for the drainage thereof, according to and pursuant to the charter of the city of Medford. The foregoing ordinance was passed by the city of Medford, Oregon, on the 21st day of February, 1911, by the following vote: Merrick aye, Wortman aye, Emerick aye, Elfert aye and Millar aye.  
Approved February 21st, 1911.  
W. H. CANON, Mayor.  
Attest: ROBT. W. TELFER, City Recorder.

**RESOLUTION.**  
Be it resolved by the city council of the city of Medford, Oregon: That it is the intention of the council to lay a 4-inch water main on Knight street from Tatt avenue to Main on Vermont street, and to assess the cost thereof upon the property fronting on said portion of said street on proportion to the frontage of said property.

The council will meet at the council chamber in the city hall in said city on the 7th day of March, 1911, at 7:30 p. m., at which time all property against the laying of said water main on said portion of said street and the assessment of the cost thereof upon the property fronting thereon will be heard.  
The foregoing resolution was passed by the city council of the city of Medford on the 21st day of February, 1911, by the following vote: Merrick aye, Wortman aye, Emerick aye, Elfert aye, Millar aye.  
Approved February 21st, 1911.  
W. H. CANON, Mayor.  
Attest: ROBT. W. TELFER, City Recorder.

**RESOLUTION.**  
Be it resolved by the City Council of the City of Medford, Oregon: That there be and hereby is called a special election in and for the City of Medford, to be held on the 10th day of March, 1911, between the hours of 9:00 o'clock a. m. and 5:00 o'clock p. m., for the purpose of submitting to the qualified electors of said city, for their approval or rejection, the following entitled amendment to the charter of the City of Medford:

1. An amendment to the charter of the City of Medford, providing for a board of registration, and its duties and the registration of voters.  
2. An amendment to the charter of the City of Medford amending section 72 thereof, providing for an increase of the bonded indebtedness of said city to the extent of \$30,000, said sum to be used for the sole purpose of making improvements in the water system of said city and paying for trunk, sanitary and storm sewers, heretofore or hereafter constructed by said city.  
3. An amendment to the charter of the City of Medford, amending section 72 thereof, providing for an increase of the bonded indebtedness of said city to the extent of \$8,000, said sum to be used for the sole purpose of the improvement of the fire department of said city.  
4. An amendment to the charter of the City of Medford, amending section 72 thereof, providing for the reation of a sinking fund for the purpose of the retirement of the bonds of the City of Medford.  
5. An amendment to the charter of the city of Medford amending section 87 of said charter, providing for repayment of amount paid by purchasers at sales of property for delinquent assessments in said city in case the sale is vacated, set aside, or declared void by any court.  
The following named persons are hereby appointed judges and clerks of said election:  
First Ward: J. W. Ling judge, D. T. Lawton judge and clerk, L. L. Damon judge and clerk.  
Second Ward: Joe Derry judge, Chas. P. Talent judge and clerk, Wm. Ulrich judge and clerk.  
Third Ward: P. W. Chelgrin judge, J. Summerville judge and clerk, H. H. Lorimer judge and clerk.  
The following are hereby designated as the places for holding said election.  
First Ward: Hall over Haskins Drug store.  
Second Ward: Hotel Nash sample rooms.  
Third Ward: City Hall.  
It is further resolved that the recorder of said City of Medford be and hereby is ordered to give notice of said election in the manner provided in the charter in the case of annual elections of said city.  
The foregoing resolution was passed by the city council of the City of Medford, Oregon, on the 16th day of February, 1911, by the following vote: Merrick absent, Watt aye, Wortman aye, Emerick aye, Elfert aye, and Millar aye.  
Approved February 16th, 1911.  
W. H. CANON, Mayor.  
Attest: ROBT. W. TELFER, City Recorder.

**CITY NOTICES.**

amendments to the charter of the city of Medford, set forth in the foregoing resolution. Said election to be held at the time and places designated in said resolution.  
ROBT. W. TELFER,  
City Recorder City of Medford.

**RESOLUTION.**  
Be it resolved by the city council of the city of Medford, Oregon: That it is the intention of the council to lay a 4-inch water main on North D'Anjou street from Second street to Jackson street, and to assess the cost thereof upon the property fronting on said portion of said street in proportion to the frontage of said property.  
The council will meet at the council chamber in the city hall in said city on the 7th day of March, 1911, at 7:30 p. m. at which time all property against the laying of said water main on said portion of said street and the assessment of the cost thereof upon the property fronting thereon will be heard.  
The foregoing resolution was passed by the city council of the city of Medford on the 21st day of February, 1911, by the following vote: Merrick aye, Wortman aye, Emerick aye, Elfert aye, Millar aye.  
Approved February 21st, 1911.  
W. H. CANON, Mayor.  
Attest: ROBT. W. TELFER, City Recorder.

**For Sale**

15 acres, 3 miles from Talent, fenced, timber, alfalfa and fruit land, good house, pure water, ¼ mile from school, 300 young pear trees, lovely place; \$2,000, one-half down.  
This 15 acres is one of the loveliest small ranches in southern Oregon. Sheltered by the hills from the cold winds of winter, deep, fertile soil, an ideal place for health.  
\$1344 Acre.  
Also 34 acres, 1 mile from Talent, 12 acres of fruit, family orchard in bearing; apples, Newtowns, 12 acres, peach filled; 7 acres timber, irrigated, dwelling house shaded by large laurel trees, plenty of water; fertile soil; garden spot; pumping plant; terms, \$13,000, \$7000 cash, the balance in payments of \$1000 yearly at 6 per cent.  
\$3883 Acre.  
Also 20 acres alfalfa and fruit land, with timber, 1 mile from Talent; \$6500 cash down; just think what a snap, a little over \$300 an acre. Where can you find near the depot and railroad a cheaper place?  
\$325 Acre.  
Town lots in the newly incorporated town of Talent, Or., on the installation plan.  
From \$150 to \$500 a Lot.  
A fine four acre ranch near Talent; very fertile alfalfa and fruit soil. Well watered, all fenced and cultivated; peach orchard, young, of 160 trees bore last year. Apple trees 36, Apricot 1, cherry 2, English Walnuts 2, Pear 12, Plum 5, Quince 21, Nectarine 1.  
Tokay and Malaga grapes 3 year old. Strawberries 1-2 acre Raspberries and Logans for family use, chicken ranch, chicken house, new woodshed.  
Wagon shed, etc., good house, spring, water piped to house, creek runs through the place. Only \$1800 cash down.  
Also 17 acres, 14 acres commercial fruit bearing orchard, 2 miles from Talent, \$10,000, one-half on time.  
\$580 Acre  
Also 80 acres fine timber, \$2000, one-half down.  
\$25 Acre.  
34 acres—\$243 acre.  
Forty acres; about 3 miles from Talent and Phoenix, Ore.; fruit land; 2 good springs, 5 room house, outbuildings, small fruit, 5 acres cleared; a good poultry ranch, over \$100 of standing timber; \$1200 down, balance on time to suit the buyer; only \$50 an acre. Look all over the country and see if you can find a place so cheap.  
Also 24 acres, orchard and alfalfa land; 2 1/4 miles south of Talent, Or.; 1500 young fruit trees, apples, peaches and pears; one acre in bearing; house, barn and outbuildings; all fenced, most of it being Page wire fence, 19-strand, rabbit tight; sub-irrigated and tiled; \$225 acre; over half down, the rest on time at 7 per cent.  
Also lands, alfalfa and fruit, from 20 to 800 acres. Write, enclosing stamps, or come and see me.

**L. N. Judd**  
Talent, Oregon

**Wanted to Rent**  
We have a client who wishes to rent a seven or eight-room house on or about May 1st. The house must have four bedrooms and must be modern in every respect, and in a number one locality. Party will take a lease for six months or a year. If you have anything of this description let us hear from you. 294  
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**MEDFORD THEATRE**

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A COMPLETE SCENIC PRODUCTION  
ENTIRE ORIGINAL CAST  
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BY MARTIN V. MERLE  
With the Great Contra Tenor  
**RICHARD J. JOSE**  
A Story of New England Life of Today  
Embracing the Songs of Old.  
Mr. Jose will be remembered by his former connection with minstrels, the "Old Homestead" and vaudeville.  
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WEST SIDE PHARMAC', 206 West Main Street. Phones: Home 43; Pac. 4041  
**Eagle Drug Co., Inc.**  
Thos. Bartholomew, Ph. C., General Mgr.  
The Rexall Stores Medford, Ore.

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The QUAKER NURSERYMAN

**Everything in the Nursery Line**  
See the nice English Hollies. All kinds of shade trees, shrubbery, roses (only the most perfect plants), and full line of pear, peach, apple, apricot, prunes, etc., etc.

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**Our Correspondents**

**CENTRAL POINT ITEMS**  
Miss Marguerite Holmes returned to Woodville Monday morning.  
Miss Eva Deathe who is teaching school on Griffin Creek came to spend a day or so with her friend Mrs. Woolverton. She fell and broke her arm Saturday evening, but is getting along as well as could be expected and her friends hope to see her at her school before very long. Miss Lanch Darby is teaching for Miss Drahe until she recovers.  
Mrs. Lottie Gregory, left Monday morning for Salem, where she goes as a delegate from the local Royal Neighbor lodge to the grand lodge.  
Henry Warner left for Eugene Monday morning.  
Mr. and Mrs. George Fox and S.

S. Akin spent Monday in Granite Pass.  
Rev. McLaren, left for Roseburg Monday morning.  
Dr. C. Davis and H. S. Brown were in Ashland Monday.  
W. H. Horcross, Mrs. Love, S. A. Pattison, Glen Owen and Mrs. J. S. Barnett spent Monday morning in Medford.  
W. R. Wilson, Eugene; and J. P. Burns, Portland; were registered at Hotel Dunlap Sunday.  
J. B. Stevens, Talo, was transacting business here Monday.  
Mark Heatherly returned from a two months visit at Los Angeles, Sunday evening.  
Glen Owens returned Sunday evening from Harmbrook, California, to remain here permanently.

**SENATE TO PROBE BETRAYAL OF SECRETS**

WASHINGTON, D. C., Feb. 28.—By the passing in the senate of resolutions offered by Senator LaFollette the state and navy department must report to that body whether naval secrets were revealed to the Argentine Republic as an inducement to place with American concerns contracts for the building of two battleships. The resolution affecting the state department

was amended and it will be asked to make a report, "unless incompatible with the public interests."  
There were no restrictions concerning the navy department, and the resolution demanded specific information whether battleship plans number 34 and 35, secrets of fire control and book specifications, all marked confidential, were revealed to Argentina or the Bethlehem Steel company.  
**Bailey Assistant Treasurer.**  
WASHINGTON, D. C., Feb. 28.—President Taft has nominated Robert O. Bailey of Illinois, to be assistant secretary of the treasury.

**ROCK SPRINGS COAL.**

Two cars of the famous Rock Springs coal arrived this morning. Phone W. J. Burbridge, the drayman, and get some of this. The best coal in the west, heating, cooking, or furnace. Demand has exceeded the supply, but we have two cars on the track today.  
Haskins for Health.

**NOTICE OF ELECTION**

Notice is hereby given that a special election will be held in and for the city of Medford on March 10th, 1911, for the adoption or rejection of those certain proposed charter