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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Conclusion.

PREDICT WAR

China and Japan.

anticipating trouble.

Preparations for Fighting in

Heavy Shipments of Provisions to

FOURTEENTH INSTALLMENT. | the deciduous fruit districts of Calif-14. Since the commercial lime-sul- ornia, lime-sulphur has not been so phur spray, as well as the home- effective as Bordeaux mixture. holled, should be considered a dor- 18. Since San Jose scale attacks mant spray for this valley, a strength practically all varieties of cultivated of 4.5 Beaume (1.030 Specific Grav- orchard fruits, many ornamentals, (ty) should be used. This is strong- shrubs, vines, roses, etc., lime-suler than necessary for some insects, phur should be used as a spray in especially the San Jose scale, but the spring of the year. The best rewhen it is intended to control wooly suits are always secured by spring apple aphis and green apple aphis at spraying with this wash. Actual exone spraying it is not too strong, periments on a broad scale have When spraying for these two insects, shown that spring spraying has prov- season. too early application of the lime-sul- en 40 to 50 per cent better than fall phur does not give good results. The applications. For an insect so pro- masses which every Catholic is supspray applied just before the buds lifte as San Jose scale, nothing but posed to attend during the 40 days open has always given the very best absolute control should be considered. of Lent, there will be special services results. As a general rule, lime-sul- It is poor economy to secure but par- of penance every Wednesday and Friphur should not be diluted more than tial control of insect pests or fungous the above strength for any spraying diseases by applications of the proper in the spring no matter what variety spray at the wrong, time, or by ap. following statement of rules to be of fruit tree is to be treated. This plications of the wrong spray at the observed by Catholics in his dioces advise is given with the understand- proper time. ing that the trees are dormant, or

extent upon the amount of free sul- closely the recommendations to be phur which will be deposited, upon found in the pages of this short bulexposure to the air, in a very finely letin, they cannot go very far astray divided state. The finely divided in controlling the insect pests and and eggs is permitted on all days o sulphur is thrown down when the fungous diseases for which the lime- Lent at the evening collation, and higher sulphides (CaS4 and CaS5) sulphur, and its other compounds, the principal meals on these days on break down. Finely divided sulphur have been advised. It is not too much is further deposited when the calcium to say that by the application of the bidden. thiosulphate (CaS2O3) breaks down lime-sulphur spray once a year durforming calcium sulphite (CaSO3), ing the spring as late as possible. The first action of the lime-sulphur meaning just before the buds open, on scale insects may be the loosening trees will be kept clean and healthy. of the scale covering through the Not only will the lime-suiphur and be taken before noon, the order may caustic property of the lime. Later, some of its combinations, eradicate be inverted and the collation taken the free sulphur deposited by the many insect pests and fungous di- in the morningg and the dinner is breaking down of the polysulphide seases, but it will also rid the trees the evening. of calcium, and the calcium sulphite of moss, lichens and other clinging

16. The changing of the sulphur to scale or moss and lichens cannot be to some extent, but this oxidation can tions. A tree covered over with moss have very little to do with the insec- and showing very little growth, rarely

ing. The fact that the free sulphur to the owner, deposited by the breaking down of the To the man who grows trees for away by the winter rains is reason them for pleasure, permit me to say of Lent. enough for not using it to control that it is not difficult to keep under peach blight, or shot hole, and apple control the various pests, if we but anthracuose. Of course, it is not to use the remedies at hand. To the one be understood that lime-sulphur will who does not care for trees and pernot control these diseases to some ex- mits parasites of all sorts to cover tent, but in all of our work on the them, I wish to say that the ax and ple" to use meat on all days of Lent, Pacific Coast, which includes the the saw are the very best remedies with the exception of Fridays, Ash fruit districts of Southern Oregon and for him to use,

PLAN DIVISION

OF MANCHURIA

tion of Nation and Its Annexation

by Two Rival Powers Under Way-

VICTORIA, B. C., Mch. 2 .- A

Division of Spoils is Program.

on the Autung-Mukden railread.

Ash Wednesday Ushers in Period of for Catholies to Observe.

CHURCH RULES

Lent, was observed by the Catholic engine works in Pittsburg, Pa., havwill continue throughout the lenten wages. He was superintendent of

In addition to the regular morning day evening during Lent.

Archbishop Christie has issued the during the Lenten season;

1. The use of flesh meat is a In conclusion the writer wishes to lowed at every meal on Sundays, a 15. The action of the lime-sulphur say to the fruit growers of the Rogue well as the principal meal on Monupon insects depends to a very great River Valley that if they will follow days, Tuesdays, Thursdays and Saturdays, Saturdays of the Ember days and holy week excepted.

2. The use of fish, milk, butter which the use of flesh meat is for

3. In the morning a small piece of bread is allowed with a cup of coffee tea, chocolate or some similar drink 4. When the principal meal cannot

5. Lard and grease may be used in growths. A tree plastered over with preparing the lawful victuals.

6. Those of the faith who are ex sulphur dioxide certainly takes place growing under advantageous condi- empt from the obligation of fasting can, on the days when the use of flesh meat is permitted to all of the ticidal properties of the lime-sulphur, ever supports insect pests and fun- faithful, be allowed to use it several 17. Lime-sulphur is not so effective gous parasites injurious to other trees times a day, as on the Sundays of as Bordeaux mixture for fall spray- but it is, nevertheless, of little value Lent, when the obligation is not binding. The use of both flesh meat and fish together at the same meal higher sulphides, is readily washed profit, as well as the man who grows is strictly forbidden during the whole

> Dispensation for Working People, 7. By virtue of the authority con-

ceded to bishops in the United States by a recent pontificial indult, permission is granted to "working peo-Wednesday and the Saturday of holy

This dispensation from abstinence extends to all three repasts in the

The usual prohibition remains gainst using flesh meat and fish at e same meal.

Where the wage earner, in virtue of the indult, uses meat, all the members of the household may likewise se it. The church does not wish to mpose upon the household theinonvenience of double cooking. But t cases of this kind those members of the household who may be bound by the precept of fasting are allowed the use of meat only at their princi-

PORTLAND, Ore., March 2. A pal repast Those Who Need Not Fast.

The following persons are exempt of Manchuria between Russia and the Northwest today profess to see Japan is seen here today in the ad- preparations for war in the Orient from fasting: All those who have not attained their 21st year or who vices just received from Japan. The today in the heavy shipments of flour Zaballalaskayanov, a Russian news- to China and Japan. The business of bave passed their sixtieth year; puper published at Chita, says that the last few weeks has assumed a those whose weak health or condi-Bussia is likely to take steps soon volume almost equalling that preced- tion otherwise may demand the full looking toward the annexation of ing the Russo-Japanese war and this. amount of nourishment, and all those whose occupations are of a laborious serts, Japan will annex Western and fact that Japan has been shipping in or exhausting unture. Southern Manchuria next year and is unusually large quantities of rice

Those who are excused from fastemiy delaying her program pending from the Phillippines and India, some ing, on account of age or hard labor, the completion of the Wiju Bridge grain men say means that Nippon Is may use flesh meat more than once in the days on which it is allowed:

Japanese despatches may that the Other grain men ascribe the sudden It is eminently in accordance with antiexation of Northern Manchuria by increase of flour shipments to China the spirit of the church that all those Risesia has been suggested by a Ross to the short crops in Northern China who use the dispensations from the stan delegation sent by the Car to and Manchuria while the Japanese fast and abstingnce, should supply invostigate the sconomic conditions in wheat and flour buyers assert that m part, the sparit of penance, by Eastern Siberia and intimates that a shortage in the crop and the fact prayers and aims deeds; by avoiding Russia and Japan have come to all that the new higher tariff on import- all public shows, parties and amuse understanding concurning a division of wheat goes into effect in June is ments, and by altraining from all in-

SALEM, Or., March 2. Benjamis

ed, saying that he represented him-

GOVERNOR WEST PARDONS COST TEN THOUSAND KUBLI, EXALTED RULER CONVICT UPON CONFESSION

bodge, No. 142, will elect officers to- tortion, has been pardoned by Go.

twenty years since I saw you, my Much credit is due the principal, dorf realize that his companion was ownty donty. Write, love. Many Miss Frances Aiken, who prepared not an officer or that any wrong was klases, (Here there were 15 cross this review class, of which 100 per being done. On this showing Overcent passed.

Haskins for Health.

Rev. Geo. Moseley form orator in the east in 1893-94 Medford, March 7th, 8 o'clock, on and piccolo player and tenor singer, per day. On that date the initiation

the "Power and the Elevation of He comes from the best of homes, fee into local union, No. 643, Bro-Christian Womanhood," also the Come and hear him. Seats on sale therhood of Painters & Decorators of Cause of the Downfall of Young at Haskins' drug store. Lecture 50 America, will be raised. Women of the Present Day."

Mr. Moseley is one of the best plat-Penance, Fasting and Prayer- form orators, Bible student and minister of the gospel. He has trav-Archbishop Christie Issues Rules eled through Europe; on the seas and In many parts of the United States lecturing and preaching the gospel. He was a student of the Great Britain school of arts. He has been mas-Ash Wednesday, the beginning of ter machinist of one of the largest and Episcopal churches Wednesday ing full charge of setting on and with usual services. Special services discharging and setting the scale of me of the best engine works at

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· The union meets every Thursday

right at 8 p. m. in Angle hall. C. W. HARRINGTON,

Haskins for Health.

Haskins for health

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Best location. Great increase in value. Lot 50 feet by 140 feet. Splendid buy for investment or speculation. Special price for quick action. Address

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The superintendent of the Burrell Orchard of Medford endorses this tract of deep, free soil as exceptionally good for pears. 11/2 miles from Merlin, adjoining a large tract now being developed by an experienced fruit man from North Yakima.

THESE PRICES FOR A QUICK TURN.

A. N. PARSONS References: First National Bank, Grants Pass Banking & Trust Co.

Annual Spring Opening

Tonight at 7:30 p. m. and All Day Friday

PROGRAM RENDERED AND PUNCH SERVED TONIGHT "Why" Tchaskovsky-Miss Blanche Cox. "Because," Guy d'Hardelot-Fletcher T. Fish... "Sunbeams,"

Ronald-Miss Phoebe Hanse Misses Crowell and Crawford will render several selections on Violin and Piano. Punch will be served to all.

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of the province. responsible for the large shipments toxicating beverages. OWNTY DOWNTY DARLIN

Movement Looking Towards Parti- Grain and Flour Men Profess to See

movement looking toward the division number of grain and flour men of

Northern Manchurla, because, it as taken in conjunction with the known

NEW YORK, Mch. 2 .- Because he eatled her. "Ownty Downty Darlingest aweetest honey banchums girl of the Golden West," a Jury in the might. It is said that K. K. Kubli, erner West, on theaftidavit of Arthusupreme coart here today decided councilman, will be the ananimous Barrett, a fellow prisoner serving a that David H. Decker, Jr., should choice for expited ruler to succeed term for the same erune, exonerating pay Henrietta French of Pierre, S. Rap Apperson. Mr. Kubli is a for- Ovelsdorf. Barrett fells ise story at D. \$10,000 for breach of promise.

The girl testified at the trial that Decker was attentive to her for two years and write frequently. Some of the letters were introduced in evi-

dence. One read in part!

see. Best love from your own boy"," received certificates at the recent from each on threat of arrest. Bar-Another effusion was: "It seems teachers' examination.

marks) -Your Own Davie " "Davie" was much preved when the verdict was returned."

OF PORTLAND ELKS Dvordorf, serving a yenr's sentence PORTLAND, March 2: - The Elles | in the penitentiary on a charge of ex-

mer dackson county boy. the crime for which both were arrest-

Agate Justly Proud.

self to Overdorf as a private detective, that the two together arrested The Agate school proudly claims a man accused of crime and Barrett the honor of fitting three students released the fellow on the payment "Dearest Darling Little Sweets Carl Beebe, Harry and Stanford Air of \$50. Later the two, Barrett casken, for the teaching profession in gingering the deal, called on illicit sc. You are the only one I care to this county, those young men having dealers in liquor and secured \$50 rett asserts that at no time did Over-

dorf was pardoned.

Haskins for Health.