

PATHOLOGIST SUMMARIZES WORK OF 1917

County Agriculturist Tells of Control of Orchard Pests and Extension of Diversified Farming—Blight on Decrease—Many Meetings Held to Educate Farmers.

By C. C. CATE, County Agriculturist.

The duties of the county pathologist and agriculturist for the past year have embraced many phases of work along the line of agriculture and horticulture. While the primary object of the office is to work in co-operation with farmers and fruit growers in the matter of controlling and combating the various diseases and insects that affect our agricultural industries, nevertheless, other phases of agriculture have received considerable attention, as for instance, crop rotations, better seed selection, drainage, irrigation, fertilization, besides other general agricultural practices.

Diversified Crops. Our policy is to encourage the development of any agricultural project that will assist in building up or maintaining the county's resources. There are many crops that may be grown and marketed on a profitable basis in our county besides grain and fruit. The farmers need more assistance along the line of suitable diversified crops, which will net them greater returns on their investments. We should diminish our importations on many commodities and increase our exportations. In looking over the products that are imported, we find many things that should be grown in our county and be produced at a profit to the grower and a saving to the consumer.

Special efforts are being made to organize the farmers of the county in order that more efficient work can be accomplished by holding regular meetings for the discussion of everyday agricultural problems. Organization, especially along the line of co-operation, is what the farmer and fruit grower is in greatest need of. Franklin's motto, "United we stand, divided we fall," is just as applicable today as it was in his day. Many farm loan associations are already organized and in time they will be re-organized so as to serve as farmers' clubs for holding meetings for the discussion of agricultural problems.

Invasion of Pests. Within the last few years apple and pear scab has invaded the valley and has caused large losses to many orchardists. The orchardists were not familiar with its habits and rapidity of dissemination, and consequently did not realize the necessity for immediate control measures, with the result that many crops were seriously damaged. Last spring and summer much time was allotted to the control of scab, and where instructions were followed in spraying the amount of scabby fruit was small. Some experimental spraying was conducted in order to determine the best spray materials for controlling scab. The lime and sulphur gave the most uniform and reliable results. However, it was found that later in the season when there is danger of burning the fruit and foliage by the use of lime and sulphur, self-boiled lime and sulphur can be substituted with equally good results.

The control of the codlin moth was also given considerable attention. This pest is familiar to all, since it is one of our oldest and most destructive pests of the apple and pear. To insure its control it is necessary to spray thoroughly and at the proper time. Unfavorable weather at the time of spraying is the cause of many larvae entering the fruit. Considered generally, the amount of fruit culled due to codlin moth injury was small.

Control of Blight. Our old enemy, fire blight, is still with us and will continue to be more or less of a nuisance, but indications are that it is on the decrease. The southern part of the valley was quite free from blight this last season, where in 1913 there was a very serious outbreak. This fact is attributed to the efficient root inspection practiced since that time. A few districts in the northern part of the valley were hit harder and this can be attributed to the lack of root inspection. The fruit inspectors have been hard at work this fall locating and aiding the orchardist in his blight work, and every effort will be put forth this winter to get a thorough clean-up. One phase of our work which is going to aid materially in the blight control is the absolute determination of the insects which act as carriers of blight. By knowing these insects, together with their life histories, we can proceed along more intelligent lines by waging war on them. From

experiments conducted in the Klamath orchard for the past two years it was found that sulphur applied about the roots of the trees acts as a repellent to insects, and by its use root blight will be a lesser problem. In general, our methods of controlling insect pests and plant diseases compares favorably to those of other districts.

Facts and Figures. During the past year eighteen public meetings were held, with a total attendance of 855. Seventy-one thermometers were tested. One hundred and twenty moisture tests were made. Fourteen orchardists were assisted in getting legume inoculation cultures at reasonable prices. In the fruit ripening tests a total of 337 tests were made. From this work some valuable results were obtained which can be taken advantage of the coming year. No less than 1990 people called at the office for information on various matters, of which number 1654 were engaged in some line of agriculture. During the frost season there was a total of 1332 phone calls, the largest number for one night was 149. The total other phone calls in were 1411 and 1280 out. A total of 644 letters were mailed and 572 received, and 840 bulletins and circulars were distributed.

To be of the greatest service to all agricultural interests it is of utmost importance that we have their co-operation at all times. If you have found either through observation or experimentation something new that may be of value, tell it to us, so that we can pass it on to the general good of others. Tell us your troubles; if we cannot assist you directly, perhaps we can get in touch with experts on just that subject. We do not pretend to know everything, however. We are in a position to obtain information from the department of agriculture, state experiment stations, the agricultural colleges and practical men engaged in the various agricultural pursuits. Suggestions as to how this office can be of greater service are always welcome. Fair criticisms are also invited.

TODAY'S MARKETS

Portland Livestock. PORTLAND, Or., Dec. 30.—Hogs, steady; receipts 137. Bulk of packing grades, \$9.75@9.85; heavy packing, \$9.85@9.95; heavy butchers, \$9.85@9.95; light packing, \$9.70@9.80; rough heavy, \$8.50@9; pigs and skips, \$8@8.50; stock hogs, \$6.50@8.25; cripples, \$8. Cattle steady; receipts 90. Steers, prime light, \$8@8.25; prime heavy, \$8@8.25; good, \$7.50@7.85; cows, choice, \$6.50@6.75; medium to good, \$6@6.25; ordinary to fair, \$5.25@5.75; heifers, \$6.25@7; bulls, \$3.50@5; calves, \$5@7. Sheep steady; receipts 18. Lambs, east of mountains, no offer. Lambs, valley, \$10@10.95; lambs, common, \$9@9.50; choice yearling wethers, \$8.50@9; good yearlings, \$8@8.50; choice light ewes, \$7.25@7.75; heavy ewes, \$6.75@7.25.

Portland Grain. PORTLAND, Or., Dec. 30.—Wheat strong; no trading; spot bids unchanged to 2c higher. Bluestem, \$1.53; fortyfold, \$1.46; club, \$1.42; Red Russian, \$1.40. Barley unchanged. Today's ear receipts: Wheat 15, barley 1, flour 5, oats 13, hay 11. All markets, except livestock, closed Monday.

Portland Butter. PORTLAND, Or., Dec. 30.—Butter, firm. Chicago Wheat. CHICAGO, Dec. 30.—Wheat: Open. Close. May \$1.71 1/4 \$1.74 1/4 July 1.38 1/2 1.41 1/2

COURT HOUSE NEWS

Reported by Jackson County Abstract Co., Sixth and Fir Sts. Circuit. George Helms vs. Harry Helms, divorce. Sylvester Patterson vs. Andy Virgil, foreclosure of tax lien. William Dorn vs. Squaw Lakes Water and Mining Co., summons. Probate. Samuel Rosenberg, estate, proof of publication of notice to creditors.

D. D. Good, et ux, to Laura King, Q. C. D. to und. 1/4 int. in Slippy Packer Mine and 1/2 int. in Slippy Extension Packer Claim on Coleman Creek \$ 10 C. H. French, et ux, to Jane E. Smach, W. D. to land in sec. 22, T. 26 S., R. 4 W. 1 Chas. L. Wimer to Frank W. Moore, et ux, W. D. to lot 9, blk. 46, Summit Addition to Ashland 2,000

Col. Howard Hanson's Standing as an Expert

Mayor H. C. Gill. The City of Seattle, Executive Department, H. C. Gill, Mayor, James Crehan, secretary. October 7th, 1916.

Hon. Elmer T. Foss, City Recorder, Medford, Ore. Dear Sir: I have your letter of the 5th inst., asking my opinion of Mr. Howard Hanson, formerly assistant corporation counsel, as an expert or special attorney, in connection with special assessment and bond matters in your city.

Mr. Hanson was for some years in charge of all bond matters and most of the local improvement litigation in this city, and as such, I think became as thoroughly equipped as any one in this city to conduct litigation or advise generally concerning such matters, besides having always been a diligent student generally.

So far as Mr. Hanson's general character and standing is concerned, they are, and always have been, of the very highest. (Signed) H. C. GILL, Mayor.

The Supreme Court, State of Washington. George E. Morris, Chief Justice. Olympia, Wash., October 9, 1916. Mr. E. T. Foss, Medford, Oregon.

I am in receipt of your inquiry of the 5th instant relative to the qualifications of Mr. Hanson, of Seattle, in special assessment matters. I regard Mr. Hanson as one of the clearest-headed men in handling questions of this character that has ever been before the Supreme Court of this state, and I am sure my opinion is concurred by other members of the court. His experience and his special study in questions of this character particularly fit him for the work you have in mind, and in my judgment you could find no better assistant upon the coast than Mr. Hanson.

Very Truly Yours, GEO. E. MORRIS. The Supreme Court, State of Washington. George E. Morris, Chief Justice. Judges, Mark A. Fullerton, Wallace Mount, Herman D. Crow, Stephen J. Chadwick, Emmett N. Parker, Overton G. Ellis, John F. Main, Oscar R. Holcomb; C. S. Reinhardt, Clerk. Olympia, Wash., Oct. 9, 1916.

Mr. Elmer T. Foss, Medford, Oregon. My Dear Mr. Foss: I find your letter of October 5th, on returning, after a week's absence in eastern Washington. Mr. Howard Hanson of Seattle, is recognized as an expert in municipal law. In the eight years, I have been on the bench, a member of this court, Mr. Hanson has appeared before us in such matters more frequently than any other man in the state of Washington. He has drafted or re-written for the benefit of several legislatures, practically all of the municipal law we have upon the statute books.

I regard him as a man of very great ability, and highly trained as a specialist in municipal law. I have no doubt that he would faithfully execute any commission that your city may see fit to trust to him. As for his character and standing at the bar, I will say that I know of no man possessing a higher confidence of the court in any greater degree than does Mr. Hanson. He is a man of clean life and habit, a most indefatigable worker, and is possessed of a very charming personality. I believe I can say no more in his behalf unless it is that if I were seeking services along the line indicated, I would turn at once to Mr. Hanson. Respectfully, S. J. CHADWICK, President.

The State Bank of Seattle. E. L. Grondahl, president; A. H. Soelberg, vice-president. Mr. Elmer T. Foss, City Recorder, Medford, Oregon. I am in receipt of your favor of the 5th inst., inquiring about Mr. Howard A. Hanson of this city, and in reply will say that I know he is eminently fitted for the work you have in hand. He is a man of the very best standing in every respect and is thoroughly familiar with the legal side of municipal affairs. During his association with this city, extending over a period of years, he has made a specialty of handling bond issues and local improvement bond issues for the city of Seattle, and we have consulted him with entire satisfaction in regard to matters of that kind, having reference to outside cities.

Trusting this may be of some value in your decision, I am Very Truly Yours, E. L. GRONDHAL, President. Superior Court of the State of Washington. For the County of King, Judges' Chambers. Judges—Robert B. Albertson, King Dykeman, Archibald W. Frater, Mitchell Gilliam, John S. Jurey, Kenneth Mackintosh, James T. Ronald, Everett Smith, Boyd J. Tallman. Seattle, Oct. 9, 1916.

Mr. Elmer T. Foss, City Recorder, Medford, Oregon. My Dear Sir: In reply to your favor, inquiring as to the qualifications of Mr. Howard A. Hanson, an attorney of the Seattle Bar, to advise your city in the matter of legal complications growing out of your system of municipal improvements, I am pleased to say that I regard him as being peculiarly well fitted to render this professional service. He is capable, industrious and scrupulously honest. He has appeared before me as counsel for the City of Seattle in many matters of municipal consequence, and I have formed a high opinion of his ability and zeal. I think your city would be fortunate to secure his services. Very Sincerely Yours, ROBERT A. ALBERTSON, President.

Superior Court of the State of Washington. For the County of King, Judges' Chambers. Judges—Robert B. Albertson, King Dykeman, Archibald W. Frater, Mitchell Gilliam, John S. Jurey, Kenneth Mackintosh, James T. Ronald, Everett Smith, Boyd J. Tallman. Seattle, Oct. 7, 1916.

Mr. E. T. Foss, City Recorder, Medford, Oregon. Dear Sir: Yours of the 5th inst. is received. I consider Mr. Hanson a very competent, painstaking attorney. He has had large experience in the matter of special assessments in this city, and I know of no one better equipped for that class of work than he. He is a man of sterling integrity and absolutely reliable in all particulars. Yours Truly MITCHELL GILLIAM

The Supreme Court, State of Washington. George E. Morris, Chief Justice. Judges—Mark A. Fullerton, Wallace Mount, Herman D. Crow, Stephen J. Chadwick, Emmett N. Parker, Overton G. Ellis, John F. Main, Oscar R. Holcomb. C. S. Reinhardt, clerk. Olympia Wash., October 21, 1916.

Elmer T. Foss, City Recorder, Medford, Oregon. Dear Sir: Mr. Howard A. Hanson is an able lawyer and a man of the highest character and standing. He has made a special study of the law of improvements by special assessments, and I hardly think you could find a better man for your purposes. Respectfully, MARK A. FULLERTON

United States, under his direction. Mr. Hanson's familiarity with these questions, his judgment as to the constitutionality and as to the interpretation of local assessment laws have made him, in our opinion, an authority in the northwest upon this class of legislation. Mr. Hanson's character and standing is very high. We have no hesitation whatever in recommending him to you and we feel assured that should your city employ Mr. Hanson you would have no occasion whatever to regret having done so. Yours very truly, McCLURE & McCLURE, By Henry F. McClure.

The Dexter Horton National Bank. Of Seattle. Capital \$1,200,000; Surplus \$240,000. N. H. Latimer, president; W. H. Parsons, vice-president; G. F. Clark, vice-president; C. E. Burnside, cashier; H. L. Merritt, asst. cashier; J. C. Norman, asst. cashier; R. H. MacMichael, bond manager; C. H. Dodd, manager credit dept. Seattle, Wash., October 13, 1916.

E. T. Foss, recorder, city of Medford, Medford, Oregon. Dear Sir: Replying to your letter of October 5th, permit me to say that I have become quite well acquainted with Mr. Howard A. Hanson during the past several years, having been associated with him quite closely in the consideration of municipal bond issues and legislation dealing with municipal finances. I am sure that he is quite able to give you sound advice regarding your financial problems, and I doubt whether you can find a man better fitted for the work that you indicate needs to be done. His character and standing are very high indeed in this community.

The delay in answering your letter has been occasioned by my absence from the city, and I trust that this letter will not reach you too late to be of service. Yours very truly, H. B. MacMICHAEL.

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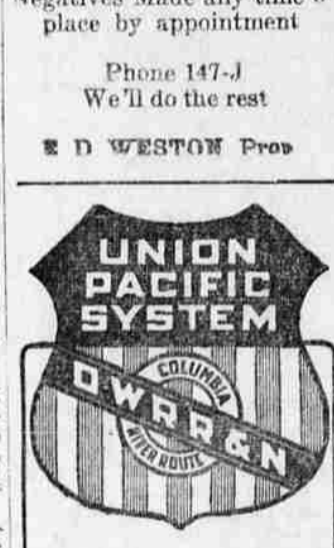
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