

# MEDFORD I. O. O. F. TO COMMEMORATE 103D ANNIVERSARY

Next Wednesday, April 26, will be the 103rd anniversary of the founding of the order of Odd Fellows in America. To commemorate this occasion the local lodge will have a special meeting on that evening. A program of excellent features has been arranged, one that will particularly appeal to and interest all members of the order. The Rebekahs and Canton will participate in the services.

A march will take place on Main street, beginning at 7:30, headed by the Patriarchs Militant in uniform. In the line will be the members of the various branches of the order, including all sojourning and visiting members. The program at the hall will start at the conclusion of the march. Senator C. M. Thomas will deliver an address on Odd Fellowship and Mrs. John A. Perl will review the Rebekah branch. Other features of the program will be quartet and orchestra music, readings, specialties, solos, etc.

In connection with this occasion a homecoming and reunion will also be held, and special invitations have been sent out to all members and visitors to be present or to write.

The entire affair will undoubtedly be a memorable occasion.

## TALENT DISTRICT BONDS REACH PAR

Wildes Veazie, sales manager of G. E. Miller & Co., of Portland is in this city for a few days. He declares that the Talent Irrigation District Bonds are now selling at par. Almost none of these bonds are available, and the indications are that they will sell at a premium later. Medford and the Talent districts are very favorably regarded by investors, he declares.

## EAT LESS AND TAKE SALTS FOR KIDNEYS

Take a glass of Salts before breakfast if your Back hurts or Bladder bothers you.

The American man and woman must guard against kidney trouble, because we eat too much and all our food is rich. Our blood is filled with uric acid which the kidneys strive to filter out, they weaken from overwork, become sluggish; the eliminative tissues clog and the result is kidney trouble, bladder weakness and a general decline in health. When your kidneys feel like lumps of lead; your back hurts or the urine is cloudy, full of sediment or you are obliged to seek relief two or three times during the night; if you suffer with sick headache or dizzy, nervous spells, acid stomach, or you have rheumatism when the weather is bad, get from your pharmacist about four ounces of Jad Salts; take a tablespoonful in a glass of water before breakfast for a few days and your kidneys will then act fine. This famous salt is made from the acid of grapes and lemon juice, combined with bicarbonate, and has been used for generations to flush and stimulate clogged kidneys; to neutralize the acids in the urine so it no longer is a source of irritation, thus ending bladder disorders. Jad Salts is inexpensive; cannot injure, makes a delightful effervescent lithia-water beverage, and belongs in every home, because nobody can make a mistake by having a good kidney flushing any time.

## Clothes of Character

We speak of the superiority of our clothes without reservation—without hesitation—because of the magnificent tailoring effect that is to be found in every garment we make. Pains-taking care down to the last essential—deliberate tidiness of detail—full responsibility for every seam and stitch—that is what well-dressed men expect in our clothes, and we never disappoint them.

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# THE VALUE OF THE "DELAYED CALYX" APPLICATION FOR CONTROLLING THE CODDLING MOTH IN BARTLETT PEARS

By M. A. YOTHERS, Government Entomologist CALYX APPLICATION FOR CONTROLLING THE CODDLING MOTH IN BARTLETT PEARS.

It is the general supposition that the first poison spray necessary for coddling moth control on pears is that applied just previous to the hatching of the earliest first brood worms and that a "calyx" application, as applied to apples just as the last of the blossoms are falling, is entirely superfluous. This idea is based upon the supposition that pear calyces remain open indefinitely and that the poison spray can be placed in them at any time. It was with the idea of determining the value of this theory in practice that the writer made a comprehensive test on this point the past season.

One of the worst infested Bartlett tracts in the valley, the old Irwin orchard, was selected for our experiments. This orchard consisted hypothetically of 500 medium and large size trees. For our experimental purposes the tract was divided into 21 parts—each part an experiment. All of the plots but four were given their first spraying for the coddling moth on May 10-13, which was in reality not a "calyx" application, as we use the term with reference to apple

spraying (when 85 to 90 per cent of the blossoms have fallen), but rather a "delayed calyx" application. In the case of Bartlett pears, however, it may prove that the real "calyx" spray may be applied for a longer time after the blossoms have fallen than is the case with apples. The four plots omitted May 10-13 were plots II, XI, XV and XVIII. At the second spraying May 20-June 1, all plots were sprayed. This, according to our life history studies and our orchard observations, was just previous to the hatching of the earliest first brood coddling moth larvae. There is no factor entering into the comparison of the 16 sprayed plots with the 4 omitted plots, other than this omission of this first spray, that could possibly produce the results shown in the first diagram, and since the results indicated continue in about the same relation throughout the season and at harvest time, it is evident that the superiority of the 16 plots, which received the delayed calyx spray, is due to that one factor alone. The only exception to this statement is that plot IV was sprayed with twice the normal amount of poison, and plot XII was sprayed with calcium arsenate, which proved entirely inadequate in controlling the coddling moth.

Two methods were used in determining these results. (1) Band exam-

ination to determine the number of mature larvae on the trees, and (2) examination of the worminess of the fruit.

(1) Band Examination On July 12-13, July 22-23 and August 1st the canvass bands, already in place about the trunks of the trees, were examined and all larvae and pupae destroyed. At the first examination it was not our purpose to use the results in comparing the various plots, but only to determine the per cent of pupation at that date. Later, however, it occurred to the writer to sum up the number of individuals found in each plot and make a comparison. This was done with the results shown in the first figure. Later examinations confirmed the results of the first examination, as is shown in the subsequent figures numbers two and three, and in the total number of individuals taken for the season. By reference to the diagrams it will be readily seen that the plots which were omitted at the first spraying produced by far more larvae and pupae than the adjacent plots. A close examination into the per cent of the total number of individuals produced by the four omitted plots in comparison with the 16 sprayed plots, shows that the four plots produced 49.30 per cent, the calcium plot (which is not to be consid-

ered in this comparison) 9.06 per cent, and the 16 plots only 41.64 per cent.

(2) Examination of Worminess of Fruit The results obtained by this method were secured by examining all windfalls, drops, and all harvested fruits on the six center trees in each plot. This method gives a fairly accurate idea of the results obtained in the various experiments. It will be noted that insofar as the comparison of the four omitted plots with the 16 sprayed plots is concerned, the four plots have most of the infested fruits, just as they had most of the larvae and pupae beneath the bands in the band examinations as recorded in previous diagrams. To sum up the foregoing evidence, it is conspicuously apparent that the number of larvae and pupae taken in each plot, and the per cent of fruit free from worms are both decidedly in favor of the application of a poison spray for the control of the coddling moth in badly infested Bartlett orchards earlier than that usually applied previous to the hatching of the first brood worms. This application may prove to be a regular calyx application, but at present it is evident that it should be at least a delayed calyx application.

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Diagrams of experimental plots in coddling moth control.

Number of larvae and pupae removed from bands on trees in the various plots.

July 12-13			July 22-23			August 1			Total number for season			Per cent of all fruit free from worms.*		
III	II	I	III	II	I	III	II	I	III	II	I	III	II	I
45	186	17	77	187	32	128	270	24	250	643	73	85%	79%	93%
VI	V	IV	VI	V	IV	VI	V	IV	VI	V	IV	VI	V	IV
24	35	16	26	28	24	42	56	17	92	129	57	90%	91%	98%
IX	VIII	VII	IX	VIII	VII	IX	VIII	VII	IX	VIII	VII	IX	VIII	VII
49	62	34	58	44	42	86	71	34	193	177	119	91%	94%	92%
XII	XI	X	XII	XI	X	XII	XI	X	XII	XI	X	XII	XI	X
115	131	30	150	214	22	219	228	28	484	573	80	84%	76%	96%
XV	XIV	XIII	XV	XIV	XIII	XV	XIV	XIII	XV	XIV	XIII	XV	XIV	XIII
188	43	32	236	34	39	343	42	42	767	119	113	68%	92%	92%
XVIII	XVII	XVI	XVIII	XVII	XVI	XVIII	XVII	XVI	XVIII	XVII	XVI	XVIII	XVII	XVI
177	42	45	191	52	63	282	59	43	650	133	151	74%	92%	92%
XXI	XX	XIX	XXI	XX	XIX	XXI	XX	XIX	XXI	XX	XIX	XXI	XX	XIX
29	54	36	27	35	47	32	61	32	88	170	115	92%	93%	93%

EXPLANATION. Plots II, XI, XV and XVIII were omitted at the "delayed calyx" application; all other plots were sprayed at that time. Plot XII, which is nearly as badly infested as those not receiving the delayed calyx application; all other plots were sprayed at that time, since it was sprayed with calcium arsenate, which proved entirely inadequate. \*The per cent of all fruit free from worms includes all windfalls, drops, and harvested fruits.

## SWEDEN AND U. S. CONNECTED BY RADIO TELEGRAPH

STOCKHOLM—For the first time in history, Sweden and the United States will have direct telegraphic communication through the erection of a high power radio station which is to be constructed immediately on the Swedish west coast. Heretofore all cable or radio communications between the two countries were relayed from London to Paris.

The Riksdag long ago appropriated the initial sum of 2,000,000 kronor, more than \$550,000, to begin the work, but it was not until recently that the Swedish state telegraph board and the radio corporation of America reached a satisfactory agreement under which the fees for all radio traffic will be divided equally between the two countries.

When the state telegraph board reported to the Swedish government that the previous obstacles in the way of building the station had been removed, contract bids were called for from the leading radio constructing companies of the world. On the basis of offers thus obtained it is calculated that the cost of the new station will not exceed 5,000,000 kronor, about \$1,400,000.

One reason strongly favoring an immediate start of work is the serious unemployment situation in Sweden. It is believed that at least \$1,000,000 will find its way into the pockets of the Swedish jobless who will be engaged in building the station. The total telegraphic traffic between North and Central America amounted last year to 1,650,000 words. The head office of the new station will be located in Gothenburg.

## Sports

Yesterday's Results. National League New York 8; Brooklyn 1. Philadelphia-Boston postponed; rain. Cincinnati 1; Chicago 3. St. Louis 5; Pittsburgh 10. American League Chicago 4; St. Louis 2. Cleveland 5; Detroit 4. Washington 3; New York 10. Boston 16; Philadelphia 4. Coast League Vernon 4; Seattle 3. Salt Lake 4; Los Angeles 1. Sacramento 4; San Francisco 5. Oakland 3; Portland 2. (11 innings.) ROME—Melozzo de Forli, owned

by Signor Tesion, won Italian Royal derby. Eight horses started.

MILWAUKEE—Johnny Weissmuller, Illinois Athletic club swimmer, lowered the world's record for the 150 yard back stroke, finishing distance in 1.45 2-5 seconds.

PHILADELPHIA—Joe Lynch, New York, former bantamweight champion, and Jimmy Mendo, Philadelphia, fought eight rounds to a draw. Battling Mack, Camden, N. J., substituting for Pete Herman, defeated Battling Leonard, Philadelphia, in eight round windup.

PORTLAND—Ad Santel, lightweight wrestling champion, retained title in match with Louis Pergantis, Boston, winning two straight falls.

PRESCOTT—Chet Neff, Los Angeles, awarded decision over Sallor Burns, Colorado Springs, at end of 10 rounds.

EL PASO—Tommy Murphy,Scranton, Pa., knocked out Jimmy Kramer, Kansas City, in tenth of Fifteen round bout.

DENVER—Fred Fulton, Rochester, Minn., won from Bob Roper, Chicago, in fourth round of scheduled 12 round bout. Fulton, in the fourth landed two lefts and Roper went through the ropes. He was counted out by referee, Young Corbett, before he could get up and return to ring.

TACOMA—Oakland Frankie Burns, San Francisco lightweight, won on a foul in third round from Bobby Michaels, New York. Frank Farmer, Tacoma heavyweight, knocked out Bill Bethel, Seattle.

SEATTLE, April 21.—The gods were kind to the rowing fans today and decreed perfect spring weather, not too warm, for this afternoon's championship regatta between the University of California and University of Washington eight-oared shells.

The waters of Lake Washington where the race was to be held, were as smooth as glass and rowing experts predicted the fastest time ever made over the three mile course. The



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race was scheduled to start promptly at 4:20 o'clock and was to be followed by the two mile freshman contest.

BATTLECREEK, Mich., April 21.—Kid Buck passed successfully through two ring engagements here last night. As John McCrumb he was married at 7:30 o'clock to Miss Cecil Olson.

As Kid Buck, an hour and a half later, he went into the boxing arena and decisively defeated Frankie Mason of Fort Wayne, Ind., former fly-weight champion of America.

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## CHANGE IN SCHEDULE

EFFECTIVE FEB. 1, 1922

# MEDFORD—ROSEBURG STAGES

Daily Except Sunday

LV. MEDFORD 10 A. M. LV. ROSEBURG 1.00 P. M.

# GRANTS PASS-MEDFORD STAGES

Daily and Sunday

Leave Medford—10.00 A. M.	Leave Grants Pass—10.00 A. M.
1.00 P. M.	1.00 P. M.
4.30 P. M.	4.45 P. M.

Fares: Medford-Grants Pass, \$1.15; Grants Pass-Roseburg, \$3.00; Medford-Roseburg \$4.15.