HORSE MEAT CAN NOW BE DETECTED

Mrs. Consumer may Feel Safe in Buying Hamburg and Sausage

OREGON STATE COLLEGE, Corvallis, April 18.—(Special)—When Mrs. Consumer purchases hamburger sausage from a reputable dealer she gets ground beef. Now these dealers need no longer fear the unfair price competition of the few concerns who used to sell cheap horse meat as beef hamburger.

At the request of the state livestock sanitary board the veterinary department of this college has successfully applied a scientific protein test to the detection of horse meat used as adulterants. By use of this test evidence was obtained on several meat dealers who have since been put out of business through revocation of their licenses.

Report Made

"The Detection of Horse Meat as an Adulterant in Sausage, and Other Studies of the Precipitin Test," is the title of a report of this work made by Dr. R. M. Bolin, assistant veterinarian here, and just published in the Journal of the American Medical association. Reprints of this report are much in demand throughout the country where similar problems have been encountered.

Use of horse meat in hamburger is detected by an elaborate test made with rabbits or other suitable animals. A protein serum made from horse meat is first injected into the rabbit. It is killed after a certain length of time and a serum is prepared from its blood. This is in turn combined with a serum from the suspected meat product. A certain precipitate caused by combining the two is a sure indication of horse meat.

Most of the horse meat in Oregon and elsewhere is presumably sold for dog or fox feed or exported to regions where its sale as human food is profitable.

The work on these tests here is the first successful practical application of the precipitin test to meat products in this country. The state game commission has asked the college to make similar tests to detect contraband elk and other game meat. These tests are more complicated as the samples are usually cooked.

FARMERS TELL OF WORST PROBLEMS

North Howell Grange Will Study Weed and Rodent Control

NORTH HOWELL, April 18 — At the recent grange meeting in the local hall an interesting roll call on topics or problems pertaining to everyday farm life in this community was called for.

Because of so much rain the past few weeks and because this has caused more weeds to grow than usual, practically every man present answered "weed control," when his name was called and the usual remedy mentioned was a hoe, wielded with plenty of elbow grease.

The oleo question also called for many supporters and much discussion, however one-sided.

Many of the women present decided that their chief outdoor problem just now was rodent control as the moles and gophers are doing much damage to lawns and gardens. The main remedy for gophers was the shotgun or using poisoned raisins or clover leaves.

The ladies do not personally have much trouble with gophers because their sons or husbands will help get rid of them, but a mole is quite different. Most of us use whatever implement is nearest at hand and have killed them with ax, fork or hoe. One helpful member said that putting a few lye crystals in the mole runways gave instant relief and either drove the mole away or suffocated him.

Weed control, rodent control and the oleo situation were the three projects adopted by North Howell for a year's work.

Fish caught in the fresh water lakes of northern Saskatchewan are now being shipped by airplane to markets in eastern Canada and the United States. About 3000 pounds of whitefish and trout are carried from the northern lakes to Prince Albert in two daily trips. It is planned to increase the service so that 6000 pounds can be transported daily to the railhead.

Radio Programs

Sunday, April 19

KEX—1180 Kc.—Portland
6:00—Organ concert.
6:15—Kiddies' program.
10:00—Organ concert, NBS.
10:30—American Legion.
11:00—Northwest Concert Trio, NBS.
12:00—Hi-Steppers, NBS.
1:00—Family Altar Hour.
2:00—Webber's Juvenile orchestra.
2:30—Male Quartet, NBS.
3:00—The Song Bag.
4:30—Male Quartet, NBS.
5:00—Radio Gospel Sunday school.
5:30—Corvallis Woman's Choral club.
6:00—Symphony orchestra, NBS.
8:00—Orchestra, NBS.
9:00—Tucker's band.
9:30—Chorus.
10:00—Lyric trio, NBS.
11:00—Organ concert, NBS.

KOIN—940 Kc.—Portland
8:30—Garden.
9:00—Salon orchestra.
9:30—Melodies.
10:00—Organ recital.
10:30—Around the Samovar.
11:00—Congregational.
12:00—Philharmonic symphony.
1:45—Cathedral.
3:30—Il Trovatore trio.
2:45—Song revue.
3:00—Musical hour.
4:00—Dr. Julius Klein.
4:15—Golden memories.
4:30—L. A. Bible institute.
6:15—Organ gravities.
5:30—Prize club.
6:00—Silver strains.
6:30—Symphony orchestra.
7:00—Organ.
7:30—Fortune builders.
7:45—Sculptured in marble.
8:00—Christ Scientist.
9:00—Salon orchestra.
10:00—Tavern orchestra.
11:00—Organ.

KGW—620 Kc.—Portland
8:00—Organ.
8:30—Symphony orchestra, NBC.
9:45—Echoes of the Orient, NBC.
10:30—National oratorio, NBC.
10:45—Grand opera, Deems Taylor.
12:00—National Youth Conference, NBC.
1:00—Dr. S. Parkes Cadman, NBC.
2:00—National Vespers, NBC.
3:00—Catholic hour, NBC.
5:15—Colliers' hour, NBC.
6:15—Atwater Kent, NBC.
8:30—Captain Dare's Travels.
9:45—Book chat.
10:00—Little Symphony.
11:00—Bagdad organ.

Monday
6:30—Devotions.
9:00—Cooking school.
9:30—Arion Trio, NBC.
10:00—Prince of Pep, NBC.
10:30—Woman's Magazine of Air, NBC.
11:45—Masterworks.
12:15—Western Farm and Home, NBC.
1:30—School of the Air, NBC.
2:00—Friendly chat.
3:00—Bits of Melody, NBC.
3:30—Mormon tabernacle, NBC.
4:00—Organ and piano.
5:30—Traffic talk.
6:00—Amos 'n' Andy.
9:00—Adventures of Sherlock Holmes.
9:30—Fireside hour.
10:30—Tony and Beppo.
10:45—Sport talk.
11:00—Del Milne's orchestra.
12:00—Music Box theatre organ.

KOAC—550 Kc.—Corvallis
12:50—Farm program.
1:00—Organ program.
2:00—Around the campus.
2:30—Homemaker hour.
3:30—Book companions.
6:30—Farm hour.
7:30—4-H Club meeting.

ONION SEASON PRACTICALLY OVER

WHEAT SOARS TO SEASON RECORD

Active Buying Abroad Is Stimulus Together With Dust Storms

CHICAGO, April 18—(AP)—Wheat soared today to above the season's previous top price level.

Active buying of wheat for Europe, about 2,500,000 bushels from North America including some United States wheat, acted as a stimulus. So did announcement France had enlarged the quota of foreign wheat that millers would be permitted to use. Drought continued over the spring wheat belt of this country and Canada, with dust storms in Canada reported as the worst so far.

Wheat closed strong, 1-8 cent off to 1 7-8 up, corn 1-8 lower to 3-8 higher, oats unchanged to 1-8 advance.

General Markets

PORTLAND, Ore., April 18—(AP)—Produce exchange, net prices:

Butter, extras 24; standards 23; prime firsts 22; firsts 21.

Eggs, fresh extras 17; fresh mediums 15.

Portland Grain

PORTLAND, Ore., April 18—(AP)—Wheat futures:

	Open	High	Low	Close
May	68	68	68	68
Jul.	57½	58⅝	57¼	58⅝
Sep.	57¾	58⅝	57¼	58⅝

Cash markets: wheat: big Bend bluestem .68; soft white, western white .68; hard winter, northern spring, western red .66.

Oats: No. 2 38 lb., white 21.

Millrun standard 16.00.

Corn: No. 3 E. Y. shipment 27.75.

Portland Livestock

PORTLAND, Ore., April 18—(AP)—Cattle 35, calves 10, quotably steady.

Steers 500-900 lbs., good 7.50@8.00; medium 6.75@7.50; common 5.75@6.75. Steers 900-1100 lbs., good 7.25@7.50; medium 6.50@7.25; common 5.75@6.50. Steers 1100-1300 lbs., good 7.00@7.50; medium 6.00@7.00. Heifers 550-800 lbs., good 7.25@7.75; medium 6.25@7.25; common 5.00@6.25. Cows, good 5.75@6.00; common and medium 4.75@5.75; low cutter and cutter 2.50@4.75. Bulls (yearlings excluded) 5.00@5.50; cutter, common and medium 3.75@5.00. Vealers, milk fed, 9.50@10.50; medium 8.00@9.50; culi and common 5.00@8.00. Calves 250-500 lbs., good and choice 8.00@9.50; common and medium 4.50@8.00.

Hogs 75, quotably steady.

(Soft oily hogs and roasting pigs excluded). Light lights 140-160 lbs., 8.25@8.25; light weight 160-200 lbs., 8.00@8.25; light weight 180-200 lbs., 8.00@8.25; medium weight 200-220 lbs., 7.25@8.25; medium weight 220-250 lbs., 7.00@8.00; heavy weight 250-290 lbs., 6.75@7.75; heavy weight 290-350 lbs., 6.25@7.50. Packing sows 275-500 lbs., medium and good 5.25@6.50. Feeder and stocker pigs 70-130 lbs., good and choice 7.50@9.00.

Sheep 100; talking steady.

Spring lambs 8.50@9.50; medium 7.00@8.50; lambs 90 lbs. down 6.75@7.25; medium 5.75@6.75; all weights common 5.00@6.00. Yearling weathers 90-110 lbs., 4.25@6.25. Ewes 90-120 lbs., 3.75@4.50; ewes 120-150 lbs., medium to choice 3.00@4.00; all weights, cull lamb common 1.00@3.00.

Fruits, Vegetables

PORTLAND, Ore., April 18—(AP)—Fruit and vegetables. Fresh fruit—oranges, navels, packed, $3.25@4; jumbo stock, $1.90@$2; grapefruit, Florida, $4.25@5; California, $3@4; limes, 5-doz. carton, $2.50; bananas, 5c lb. Lemons—California, $5.50 case. Strawberries—Los Angeles, $1.80-1.90 crate of 12 boxes; Fresno, $3.50@3.60 for 20s.

Cabbage—local, 2@2½c lb. Potatoes—Oregon Deschutes, $1.65@1.75; Bakers' $2.25; local, $1@1.15; Yakima, 85c@1.35. New potatoes—California garnets, 8@9c; Texas, 6@8c lb. Onions—selling price to retailers, Oregon, 80@90c cwt.; Texas new crop Bermudas, $4.50 bu. Seed potatoes—local, 1¾@2½c lb. Artichokes 70@90c. Spinach—local, 50@60c orange box. Celery—California, $1.75 per doz.; hearts, $2.25 per doz. bunches. Mushrooms—hothouse, 60@65c lb. Peppers—bell green, 22@25c lb.

Sweet potatoes—eastern, $3.50 hamper. Cauliflower—Oregon broccoli, $1@1.85 crate. Beans—Florida, $3.75 hamper. Peas—California, $2.50 crate; 10c lb. Tomatoes—Mexican, $4.75@5 lug, repacked. Lettuces—Salinas, $3.50@3.75; Imperial valley, 50c@$2. Asparagus—northwest, $1.50@1.75 per doz. bunches; California, 6@8c lb.

Portland Produce

PORTLAND, Ore., April 18—(AP)—Milk—4-4 milk (4 per cent), $1.90 per cwt., delivered Portland less 1 per cent; grade C milk $1.40. Butterfat 20@21 delivered Portland.

Nuts—Walnuts, Oregon, new, 22@25c; almonds, 22c; peanuts, 9@12½c; filberts, 15@21c.

Hops—1930 crop, 15@16c.

Poultry—(buying prices) Alive, heavy hens 4½ lbs., 21@22c; medium hens 3½ @ 4½ lbs., 17c; light hens 15c per lb.; broilers, 1½ lbs., and over 25@28c; Young Pekin ducks, 4 lbs., and over, 32c; old 25c; colored ducks, 15c; turkeys No. 1 25@32c.

Potatoes—No. 1, local, $1.10@1.25; Deschutes, $1.60@1.75; Yakima, $1.25@1.50; No 2, local, 85c@$1; new potatoes 7@9½c lb.

Hay—wholesale buying prices, delivered Portland, eastern Oregon timothy, $22.50@23; do valley, $19@19.50; alfalfa, $15@16; clover, $16; oat hay, $16; straw, $7@8 ton; selling prices, $1 to $2 more.

Dressed poultry—selling price to retailers: turkeys, poor to good, 25@32c; ducks, 25c; geese, 18c; capons, 22@35c lb.

Salem Markets

Grade B raw 4% milk delivered in Salem, $1.50 cwt.

Butterfat at farm 20c. Salem 21c.

FRUIT AND VEGETABLES
Price paid to growers by Salem buyers. April 17, 1931

VEGETABLES

Onions	
U. S. No. 1	.20
Spinach, large crate	.60
Rhubarb	.02½
Bunched Vegetables	
Radishes, doz.	.40
Onions, doz.	.30

FEEDS
Retail Prices

Calf meal, 25 lbs.	1.30-1.65
Scratch, ton	30.00-35.00
Corn, whole, ton	35.00 to 38.00
Cracked and ground, ton	36.00-39.00
Mill run, ton	17.00-19.00
Bran, ton	17.00-19.00
Egg mash, cwt.	1.85-2.35

EGGS
Buying Prices

Extras	.12
Standards	.11
Mediums	.10

POULTRY
Buying Prices

Roosters, old	.07
Springs	.17
Heavies, hens	.17
Medium hens	.15
Light hens	.13

GRAIN AND HAY
Buying Prices

Wheat, western red	.53
White, bu.	.56
Barley, ton	22.00 to 23.00
Oats, grey, bu.	.30
White, bu.	.32
Hay: buying prices—	
Oats and vetch, ton	8.00-9.00
Clover	8.00-9.00
Alfalfa, valley, 2nd cutting	13.00-15.00
Eastern Oregon	19.00
Common	12.00

HOPS

Top grade	.15
Old stock	.08-.10

PRUNES

30-35	.04
35-40	.02¾
40-42	.03¼
42-45	.03¼
45-50	.02¾ to .03

MEAT
Buying Prices

Lambs, top	.08-.08½
Hogs	.08½
Hogs, 200 lbs., up	.08
Steers	.05½ to .07
Cows	.03 to .04
Heifers	.05-.06½
Dressed veal	.12
Dressed hogs	.11

WOOL

Coarse	.12
Medium	.15

MOHAIR

Old	.15
Kid	.20

About 40 Carloads in Growers' Hands; May not Ship

PORTLAND —(AP)— Wholesale butter market opened firm today with supplies of higher grades scarce. Quotations were unchanged.

Tone of the wholesale egg market continued easy to weak with receipts greater than demand. Closely graded eggs continued in good dealer demand for storage.

Country dressed meat and poultry quotations opened unchanged. Poultry was cleaning up well for the weekend but a substantial carryover of all lines of dressed meats loomed certain.

In the vegetable trade cauliflower was scarce but quoted steady at $1.75 a crate. After middle of next week all asparagus offerings are expected to be of local origin.

Government market news service reported:

The local potato market continues dull. Various shippers assert that there are still 500 carloads of marketable Burbanks and Netted Gems within a 50-mile radius of Portland, including western Oregon and Clark county, Washington. Local and motor-truck requirements, together with low prices, will probably prevent the carlot movement of all but a small fraction of this quantity.

Oregon's onion season is practically ended; 680 carloads have been shipped now, compared with last season's total of 660 cars. There are probably 40-45 carloads still in growers' storages, but heavy shrinkage in regrading may prevent the movement of many of these. Demand is limited, and the moderate activity of recent weeks has subsided.

Local spinach is still scarce, and prices advanced a trifle.

MARKET CONDITIONS ARE OUTLINED

State Agent Surveys Situation as it Affects Oregon Growers

The following items from the weekly news letter of the state market agent are given here in the hope that they will be of interest to producers. The summary includes a brief survey not only of state but of national crop conditions.

Wool

Encouragement is offered Oregon wool growers in the sharp decline in importation and consumption of foreign wools.

Importations of combing and clothing wool for the past year was 69,000,000 pounds, a sharp decrease from the imports of 102,000,000 pounds during 1929.

According to statement of the National Wool Marketing Corporation, this decline in the use of foreign wools is due to a more adequate protective tariff and improved selling methods which give preference to domestic wools.

Stocks of foreign wools in this county are now less than for some time past.

Wools are now arriving at the warehouse of the Pacific Cooperative Wool Growers association in Portland. Pre-shearing advances to growers in the four Northwest states have been made and advances are also available, says the association bulletin, upon delivery of the clip. The volume to be delivered at the Pacific's warehouse this year is estimated at 10,000,000 pounds—last year's receipts.

Cherry Tariff

The U. S. Tariff commission last week recommended a reduction of the duty on "brined" cherries from 9½ cents and 5½ cents a pound to 6 cents and 3 cents a pound respectively. This report came as a distinct shock to the hopes of the Northwestern growers.

President Hoover, however, disapproved of this recommendation unfavorable to the growers and requested further investigation by the commission. This action of the chief executive was followed by appeals from cherry growers to Senator McNary and the commission with the result that the latter will not reopen the tariff matter during the present crop year, if at all.

Since the present unsettled condition of these rates may cause buyers to hesitate at prices based on the present rate with the possibility that the commission might lower the 9½ and 5 cent rates before this year's crop is marketed, Oregon growers are urging that at least two crop seasons shall pass before any further change be attempted, thus giving the present rates which were established too late to be of value to the producers of last year's crop, a fair trial.

The Pacific Coast production of Royal Anne cherries has passed the point where the entire crop may be canned at a fair price to growers. This variety crop is dependent upon the maraschino trade to absorb the surplus of several thousand tons.

Wheat

According to report of the United States Department of Agriculture the intentions of farmers is to increase the acreages of corn 4.9 per cent; oats 6.5 per cent; barley 12 per cent; potatoes 10.7 per cent; soy beans 2.5 per cent; hay 1 per cent. Decreases are intended in Durum wheat 23.9 per cent and other varieties of spring wheat 12 per cent.

The carryover of wheat supply in this country is expected to be slightly less than that of last year. While more of this grain has been fed to livestock this year, exports have been less. Unless yields shall be surprisingly low there will be a large exportable surplus. The federal farm board has on hand a surplus purchased at prices far above the world level, and with very little wheat being exported.

Gooseberries First

The first fruit to be packed will be gooseberries. It is estimated that this year they will open the fruit canning season about May 20 in the Willamette Valley. Practically the entire crop in the Salem district has been purchased at 5 cents a pound. Salem canneries put up 350 tons last year. The prospects for a heavier crop and a larger pack this year are bright. The popularity of this berry is reported on the increase.

Potatoes

A survey as of March 20th indicates an increase of 9 per cent in all potato acreage and 10 per cent increase in seed varieties reports the O.S.C. extension service.

There is comfort for those who desire to increase their potato acreage in the knowledge that a few thousand acres more in Oregon will not cause any noticeable reduction in prices in this state.

We now produce a surplus for shipment and increase intended would represent less than 1 per cent of the carlot shipments of the whole country.

Should the acreage be increased 10 per cent for the whole country and still more for the Northwest, as is barely possible, the outlook for fair prices will be less bright.

Reports from Crook county are to the effect that growers plan a 25 per cent increase in the potato acreage this year.

A 35 per cent increase in potato acreage in Klamath county is the report of her county agent.

Alfalfa

Prices per ton for U. S. No. 1 alfalfa at shipping points in the Hermiston district range at approximately $10.00 so far this month. The demand throughout the Pacific Northwest has developed a firmer tone recently on account of the reports that flood waters have ruined a large acreage of pasture.

Seed prices are quoted lower this year than heretofore, which is encouraging to the farmer who intends to plant alfalfa.

According to O.S.C. News Service, a half dozen farmers of Polk county are cooperating with county agent J. R. Beck this year in demonstration trials to ascertain whether land plaster applied to alfalfa will yield results similar to those obtained from applications of superphosphates. Alfalfa yields on three farms in the county last year were increased to a minimum of 200 per cent. It is hoped that land plaster will give the same results at much lower costs.

Eggs

The egg market will probably remain steady to firm next week at present prices. The market in the east is quite firm on Pacific Coast whites and should advance slightly next week. This will of course be reflected somewhat in prices but not enough to force any advance in prices here. Reluctance and inability to store eggs on the part of dealers, speculators and distributors is forcing enough eggs into consumption to assure this.

Nationwide reports indicate that up to date this year not over fifty percent of the chicks sold a year ago during this period have been sold this year. Many eggs that in normal years would go to the incubators are being forced on to the market this year. This increases the receipts and might easily lead to the belief that there are many more chickens on the farms than there were a year ago. Quite the contrary is the fact, however.

Prices at Portland to the retail stores are Extras 17c, Standards 16c, Mediums 15c. No change need be anticipated this week.

(The above comment is from the Pacific Cooperative Poultry Producers, manager, E. J. Dexon).

JAPANESE PAPERS CLAIM OPPRESSION

TOKYO, April 18—(AP)—Representative Japanese newspapers constituting the Shimbun Rengo, an agency organized as the Associated Press is in the United States, held an urgent conference Thursday and adopted resolutions protesting against what they termed the Chinese government's "oppression of Japanese newspapermen in China, particularly Shimbun Rengo's correspondents."

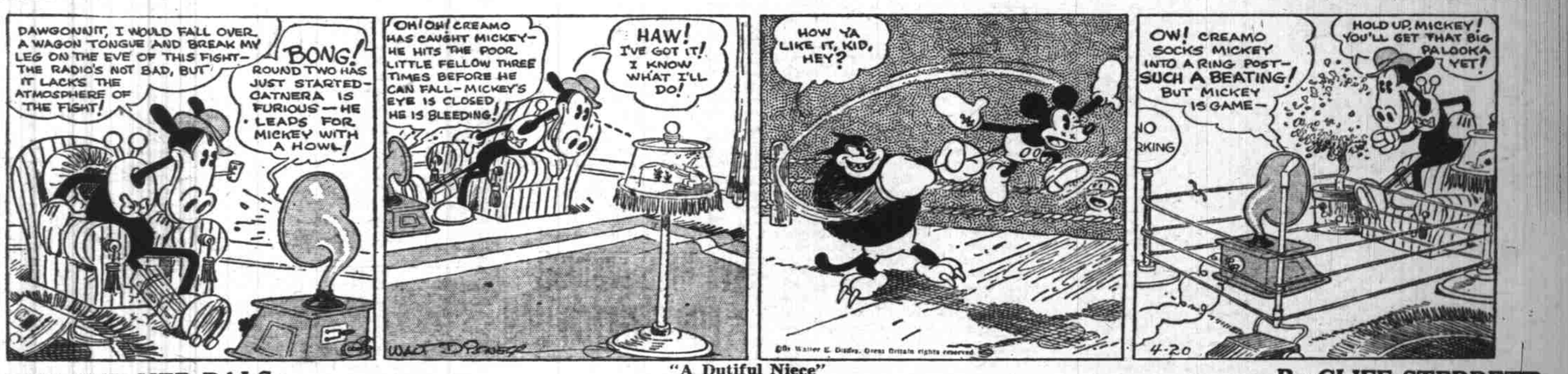
Foreign Minister Shidehara has been requested by the Japanese newspapers to protest the action of the Chinese government in preventing Japanese journalists from using telephonic and telegraphic facilities in China, which Shimbun Rengo says is "little short of a challenge of the freedom of the press."

CLOSE BORDER RESORT

EL PASO, Tex., April 18—(AP)—One of the last and most notorious resorts along the United States-Mexico border, the Fabens hole-in-the-wall, was closed today by Mexican officials.

MICKEY MOUSE

"A Ringside Seat" — By WALT DISNEY



POLLY AND HER PALS

"A Dutiful Niece" — By CLIFF STERRETT

LITTLE ANNIE ROONEY

"Not an ill Wind" — By BRANDON WALSH

TOOTS AND CASPER

"Their Hero" — By JIMMY MURPHY