

DOG POISON PERIL RENEWED AS FISH SEASON OPENING

Specialist Gives Facts for
Early Diagnosis—Disease
Found Only in North-
west Area of Country

As the fishing season nears it brings consternation again to many dog owners, who have fears that their pets will become victims of salmon poisoning. Because of this fact Dr. Phillips, new veterinarian of the Jackson County Humane society, and operator of the Rogue Small Animal hospital at 1435 North Riverside, has prepared extensive information for release. The hospital is fully equipped to give all tests and microscopic examinations and the following are facts the specialist believes should be known to all dog owners:

"Salmon poisoning is a disease, the cause of which has not been definitely determined, though very extensive research indicates that it is an organism—possibly ultra-microscopic.

"It is interesting to note that this disease is found no place in the world except in western Oregon, southwest Washington and north-west California.

"The causal agent of the disease is carried in one particular species of intestinal fluke. The life-cycle of this fluke is very complicated. One of its stages is found in a species of snail, another stage in the form of larva encysted in the organs and muscles of fresh water fish of the salmon family. This includes the Chinook, Silveride, and dog salmon, also the eastern brook, cutthroat, rainbow and steelhead trout. The encysted flukes have not been found in the small mouth bass, smelt, sucker, chub, or sturgeon.

"It would be difficult to believe that the few dogs living along the infested streams could contaminate them sufficiently to cause the large number of flukes which are present in practically every salmon or trout taken from these streams. Hence it was learned that the coyote and fox may also be affected, and are probably the natural adult hosts of the parasite. Records show that this region must have been affected long before the arrival of the white man.

"It is usual to find large numbers of cysts in healthy trout caught in western Oregon streams. A six-inch trout caught on the Big Elk river was found to have 168 parasites in the muscles of the eyeballs alone. A 4-inch cutthroat trout from Soap creek, near Corvallis, was found to harbor 14,062 parasites. Thus we can imagine the possible number in a heavily infested salmon.

"Research has proven that the causal agent is not the fluke itself but is harbored in the fluke. The blood from a dog sick with salmon poisoning will produce similar symptoms in another dog when injected into its abdominal cavity.

"Symptoms usually appear on the sixth or eighth day after eating the parasitized fish. The temperature usually rises one to three degrees before any definite symptoms appear. In most cases about 24 hours after this rise in temperature there is a complete loss of appetite, accompanied by marked depression. At the beginning of the disease the bowels seem somewhat sluggish. The temperature drops gradually after the second or third day. There may be a slight discharge from the eyes. The eyelids and surrounding tissues swell, giving the eyes a sunken appearance. There is a very rapid loss in weight. The animals usually vomit persistently and show great thirst, but are unable to hold the water on their stomach. Diarrhea usually sets in on the fifth to ninth day. In the later stages of the disease the stools are heavily impregnated with blood. The temperature may be down to normal on the fifth or eighth day. At this point the animal usually feels brighter and may even eat a little. This apparent improvement is of short duration in most instances. In 24 hours more the temperature is usually sub-normal and the animal is scarcely able to stand. Most cases die on the sixth to tenth day after symptoms appear from 12 to 20 days after eating parasitized fish.

"The mortality from salmon poisoning is very high. Those few which recover show these same symptoms, but begin eating about the seventh to tenth day. After the recovery from an attack they are immune for the rest of their life.

"Treatment is very unsatisfactory. The only serum which has been developed up to the present time comes from the research laboratories of the Oregon agricultural experiment station at Corvallis. Though this serum

Costner Accuses Touhy Gangsters



Isaac Costner (above) told a Chicago jury he helped kidnap John Factor for \$70,000 ransom, and pointed out Roger Touhy and two other defendants in the trial as members of the kidnap band. (Associated Press Photo)

is an aid in treatment it is by no means specific. Another line of treatment which has given some recoveries is the use of normal saline solution subcutaneously and glucose intravenously, thus providing food and body fluid for strength and elimination until the animal can build up an immunity of its own.

Salmon poisoning should never be positively diagnosed unless there is a positive history of eating fresh fish, or the eggs of the fluke are found in the feces by microscopic examination.

"A great deal more work needs to be done before there will be available sufficient knowledge concerning immunization. It has been accomplished through the use of hyperimmune serum and virus. When accurate research can be done by men with adequate training and laboratory facilities we will then have a safe standard from which to work in immunizing our dogs to salmon poisoning. The results so far attained are a wonderful tribute to the scientists at the Oregon agriculture experiment station at Corvallis. To them alone belongs the credit for the advances made in recent years in the control of salmon poisoning.

SNOW SLED INVENTOR RETURNS TO MEDFORD FOR FORUM LECTURE

Members of the local power company's employees club, the Copco Forum, enjoyed an interesting program at their regular weekly luncheon meeting Thursday. Motion pictures of the Tucker motor sled were exhibited by E. M. Tucker, inventor of the sled, and manager of the Tucker Diesel Motor Company, Ltd., of Sacramento, Calif.

Mr. Tucker is a former resident of Medford and made most of his early models of this unique snow sled in this city. He also made numerous experimental trips with his sled in the vicinity of Union Creek and Crater Lake and the first motion pictures of the Tucker sled were taken near Union Creek by H. L. Bromley for the Copco news reel over four years ago.

Mr. Tucker made a brief talk before showing the films to the Forum group and told some of the interesting mechanical features of his novel snow transport which he advised would haul a load of 10,000 pounds. The pictures which were taken at Echo Lake, Calif., showed the Tucker sled in action, climbing steep grades and hauling heavy loads under various types of snow conditions.

In closing, Mr. Tucker announced that he planned to have several of these motor sleds here for the Crater Lake snow sports carnival on March 18, and invited those present to see them "do their stuff" at that time.

Ben Wright of Sacramento, associated with Mr. Tucker in the manufacture of the motor sled, also made a few remarks on the subject and advised that the sled would be demonstrated at Crater Lake in the afternoon for Superintendent E. C. Solinsky and other officials of the national park service.

Guests at the luncheon included E. M. Tucker and B. O. L. Wright of Sacramento and W. Radcliffe of Medford.

SAN FRANCISCO IS PROSPEROUS DESPITE SLUMP

Deficit Near Million Turned
Into Surplus by Municipal
Ownership and Moderni-
zation of City Charter

By Louis Ashlock
(Associated Press Staff Writer)
SAN FRANCISCO, March 2.—(AP)—Through a period of economic stress San Francisco has achieved municipal prosperity. A deficit of \$773,737 has been replaced by a surplus of \$1,195,426. The municipal street car system, though faced with competition, has maintained its carfare at five cents, the lowest in the country, and is making a profit.

Power Plant Profits
Operating profit of nearly \$2,000,000 annually is shown by the city power plant. The municipal water system has contributed profits to the city treasury with lower rates in prospect. The municipal airport, although operating at a loss, has made great strides in development.

All bond obligations have been met on time, taxes have been reduced, 13,000 city employees have never missed a payday and for four years, until recently unaided, the city has carried on unemployment relief. Like the "gold standard days" of prosperous years sound these facts in a summary of the situation today by Mayor Angelo Soss and Controller Leonard Leary.

Municipal Ownership Aids
Municipal ownership and a modern, business-like charter, under which the city government was reorganized in January, 1933, are credited with making this possible.

Under the charter many departments are controlled by a "chief administrative officer" appointed by the mayor, while others are directly controlled by the mayor through appointive commissions. Stringent monetary control is provided, prohibiting the spending of money unless it is in the treasury.

Since the fiscal year of 1931-32 the tax rate has been reduced from \$4.04 on each \$100 of assessed value to \$3.48 this year.

San Francisco has had a tax delinquency during the last three years varying from 3.3-10 per cent to slightly less than six per cent.

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not going, darling?

Soliloquy by a young lady who had just a perfectly lovely time: Yes, darling, I must. I'm sorry I have to leave early but I really, really must. I had a grand time. (I suppose she thought we couldn't tell a "bargain counter" coffee by its taste. She wouldn't put tin-plated knives and forks on the table. But she would serve us a cheap coffee. Oh well.) Yes, I'll see you soon, darling. I want you and Harris to have supper with us soon. (When she comes to my house I'll serve her Hills Bros. Coffee and give her a real treat. Too bad she doesn't realize that even though you buy coffee by the pound you drink it by the cup. Hills Bros. always tastes better and is really less expensive in the long run because of more abundant flavor.) And I had just a perfectly lovely time.



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SYRUP 21c
Maximum. Full maple flavor.
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Swans Down, the ideal flour
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Spinach 10c
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Bananas 19c
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Celery 7 1/2c
Crisp, Well Bleached
Each

Grapefruit 10c
Seedless, Not Bitter
3 for

Home makers Bureau

A new use for egg yolks.
Sunshine Seven Minute Icing

1 cup sugar 1-3 cup boiling water
2 egg yolks 1 teaspoon vanilla

Beat egg yolks in top of double boiler; add sugar and then the boiling water, gradually. Have water in bottom of double boiler boiling gently. Place egg mixture over water and start beating immediately with rotary type beater. Beat constantly until mixture looks fluffy and will stand in peaks when beater is pulled out of it. Flavor. Orange juice might be substituted for water.

For aid in household problems, menu planning, or special recipes, send in your requests with a self-addressed, stamped envelope to Julia Lee Wright, director, Homemakers Bureau, Safeway Stores, Inc., Box 660, Oakland, California.

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