

New Vaccine May End Rabies Fear

"Mad dog"—a cry which for generations has terrorized mankind—is being shown of its dread meaning. In the march of medical science, significant new advances have been made against rabies, and now a new vaccine promises to banish the nightmare forever. The new vaccine has given dogs immunity against rabies for as long a period as 30 months. To date, approximately 2,000,000 dogs have

been injected, and not a death has been reported that can be laid to the vaccine.

Older weapons against rabies, such as the Semple one-shot vaccine, have given relatively temporary protection—not more than a year for many dogs. The Pasteur and Semple treatments for bitten persons saved many lives but had definite drawbacks. These vaccines had to be given daily for 21 days. "It was a race," says the article in Reader's Digest, "between the vaccine and the virulent dog virus, inching its evil way to the brain."



THE DRIVE IS ON. And the annual pulpwood harvest is again rushing, crashing and tumbling down the flood-swollen waterways to the nation's pulp and paper mills. And this is only the beginning. For this woodland wealth will soon be converted into a host of useful products from pulp and newsprint to building board, and wrapping paper to rayon, explosives, and photo-film. It is all part of an operation that puts money in the pocket of every Canadian, for pulp and paper making employs more people and pays more wages than any industry in the land, and it is the leading producer and exporter as well. But the river drive with its swirling waters and nimble, brightly clad "jacks" is the most picturesque and spectacular part of the whole business. In the upper photo workers attempt to clear a jam. And in the "sweep" below, the drivers scout the shore lines and push grounded logs out into the current. (Photos by Malak, Ottawa)

PURIFICATION OF WATER CONCERN OF OFFICIALS, ALL HOUSEHOLDERS

As areas become more densely populated, adequate sources of water for household and industrial purposes must be found, reports J. F. Bowen, Science Service, Experimental Station, Summerland, B. C. Unfortunately many of our rivers have become contaminated by wastes from household and industrial waste water. As it is often necessary to use water from such sources, it must first be made safe, otherwise disease such as typhoid will be spread in the water supply. Suspended material may be removed by settling and filtration.

Settling is carried out in large tanks or reservoirs, take coarser material, mud, sand, etc., being allowed to settle out. Fine suspended or colloidal material may be precipitated by the addition of aluminum salts, after which the water may be passed through beds of sand which act as filters in removing the finer material. These treatments are necessary in areas where the available water contains suspended material. In regions fortunate enough to have a source of clear water, free from suspended material, such treatment is not needed.

Statistics Pour Out of Ottawa's Figure Factory

Ottawa (CP)—The people at the Dominion Bureau of Statistics here have their finger on the pulse of life in Canada.

You want to know what percentage of rented homes were left unfurnished and unheated? They can tell you. How many cans of peas were packed last year? They know. How many homes have no bathtub? They have the answer.

For example, they say there were 7,512 dozen more hockey pucks made in 1953 than in 1952. How many in 1953?—31,352 dozen.

Fewer baby pants were made in 1953 when the output of rubber, oiled silk and plastic pants dropped to 75,046 from 78,060 dozen in 1952.

More balloons, 111,484 gross, were manufactured in 1953, compared with 100,189 in 1952. That's a lot of balloons.

"Did you know that no tires have been produced for horse-drawn vehicles since 1946, when 351 were made? In 1939 there were 2,017 produced.

Another increase—hot water bottles were made in 1953, when output rose to 18,504 dozen from 18,522 the previous year.

Did you know that some Canadians have television sets in their homes but no radio or telephone? Of the 820,000 homes with TV sets last September, 22,000 had no radio and 94,000 no telephone.

Production of men's fur coats jumped almost 52 per cent in 1953, a total of 352 being shipped from Canadian factories against 220,717 women's fur coats. The average value was \$228 for women's coats, or \$1 less than in 1952.

Despite the vanishing Canadian horse, nearly 10 times as many whips were made in 1953, when production of leather whips jumped to 4,417 from 483 in 1952.

DBS also says 22 per cent less steel was produced in Canada in 1954. Fewer lumbermen's boots, nipples and soothers and dog collars were made in 1953.

Perhaps there's some significance in this item: fewer wallets were turned out in 1953 when output of leather billfolds and wallets dropped to 1,098,728 from 1,387,020 the previous year.

EXTRA SPARKLE

To give that extra sparkle to mirrors and windows after washing and wiping dry, dab the surface with crumpled tissue paper.

Statistics Pour Out of Ottawa's Figure Factory

The final treatment, whether the water is naturally clear or clarified by artificial means, is chlorination. Chlorine is a heavy greenish yellow gas having the property of forming hypochlorous acid when dissolved in water. This substance is very active chemically, reacting with organic material in water and having a germicidal effect on any bacteria present. In practice, liquid chlorine is metered into the water supply after chemical tests have determined the amount necessary. The concentration of chlorine is estimated in parts of chlorine per million parts of water. A slight excess of chlorine or "residual" is allowed, usually about half part per million.

Attempts on the part of public health authorities to implement chlorination of water supplies usually meet with opposition from various segments of the public. Since the arguments against chlorination are usually based on faulty premises, it may be interesting to discuss them. The most common statement, "chlorine is poisonous, therefore it should not be used" is apparently based on the fact that elemental chlorine is an irritant gas and will if inhaled, have serious effects on the lungs. However, chlorine does not appear in drinking water in the gaseous state. Being a very active element it combines readily with organic and other materials present in water. In this form it is no longer a gas, nor is it an irritant in the concentration normally used, measured in parts of chlorine per million of water. In the combined state, chlorine in water is no more toxic than is table salt, another chlorine compound, of which the average individual uses considerable amounts.

The unpleasant flavor said to result from chlorination is oddly enough due to the use of insufficient chlorine in the treatment of water. Since part of the chlorine added reacts with organic material present, a sufficient excess must be added to give a "residual" of chlorine. Otherwise the chlorophenols formed by reaction of chlorine with organic material will persist, causing unpleasant flavors.

No ill effects have been found to result from absorption of chlorine from drinking water, so there is no cause for fear in this regard.

In summer camps, farms and homes using well water or water from sources open to contamination, it is a wise precaution to chlorinate the home supply. This may be accomplished by the addition of a few drops of any commercial hypochlorite solution to each gallon of water. No flavor results, but the water is rendered safe.



Legion Ladies

Dim Wits continued their winning ways and took Fireflies for two and totals. Half Wits took over the second spot when they made every game a winning one from Doodle Bugs. Best games for the night were the singles. A. Wheeler 218 and L. Gordon 213. League standing, May 2: Dim Wits 100%, Half Wits'82, Fireflies 78%, Doodle Bugs 75.

Acton Major

Young Married Men pulled the upset of the season, for on the last night of the schedule, they whumped the powerful Acton Woodcrafts crew for all games. Frank Fowkes' 682 tricotout stood out for the Y.M.C.A. Dominion Hotel with a two and total win over Firemen. A cinched the second series and a play-off against the first series winner, Acton Woodcraft. N. Morton's 741 triple featured the Hotel boys' win.

Tiger Cats closed out the season with a belated rush and deked Force Electric for the weeks. Final standing second series, May 5: Dominion Hotel 77, Tiger Cats 65, Acton Woodcraft 59, Firemen 48, Force Electric 30, Young Married Men 27.

Industrial-Commercial

Pay your money and take your choice, four teams still in the running and who's to pick a winner. Dods' Demons grabbed two games from Ink Spots but dropped the totals. Goy Cartage bounced Pin Tumblers for two and totals while Ramblers did likewise to Firemen B. So, outside of Ink Spots and the Hose Toters, the teams will be gunning for the marbles to-night. Top tinders were W. Kelly 706, D. Grein 643, D. Lindsay 655, Harold DeForest 636, H. Coles 607 and H. Dods 600.

League standing May 5: Dods' Demons 51%, Ramblers 49%, Goy Cartage 49, Pin Tumblers 47, Firemen B 45, Ink Spots 45.

Acton Ladies

In the semi-final May 5, Liberals with a three game pinfall of 2914 against 2422 for the Conservatives, move into the finals against Democrats, who defeated Republicans with a pinfall of 2669 against 2560.

Teen-Agers

The kids finished their season with Tiger Cats in top spot. The Cats made it one and totals against Hot Shots in their final appearance. Dodgers took 4 out of 5 points when they tied one, won one and totals from Lucky Strikers. Falcons grabbed all points when they said "hello" and "good-by" to King Pins.

Final standing: Tiger, Cats 110, Falcons 75, Lucky Strikers 70, Hot Shots 68, King Pins 65, Dodgers 64.

Dinner and Data

Helen LeSueur made it a double with a 729 tricotout and a 274 single for the Patricia Ann hairdo and the I.G.A. groceries. Don Grein with a 742 picked up the Gord McCutcheon haberdashery award. The hidden scores awards from Coca-Cola, 7-Up and Reinhardt's were won by "Dokey" Oakes, Brian Gervais, Jeff Fryer, Susy Dedels and Elaine DeForest. Dates to remember: Inter-count League banquet, Friday, May 13 at Milton Legion Hall; Teen-agers bun fee, May 18 at the Y.M.C.A., Acton Major hall, May 19, at the Station Hotel. Latest reports from the tournament circuits has Phil LeSueur top man for aggregate at Waterloo in the B Class, while Dods' Demons are top dogs at present in the C class team event at the O.B.A. in Toronto. Congrats and may no one top their scores this week.

Paper Protection Novel Information

KITCHENER Ont. (CP)—The Kitchener-Waterloo Record says in a recent editorial: "In the past newspapers have been regarded as being necessary to keep one posted on what is going on in the world, a sort of day to day history." "Now the modern inventions have made living more dangerous, newspapers are not only important as a source of information but they afford a means of protection.

Carrying a newspaper after dark helps to avoid being hit by a motor car in that it makes it easier for the driver to see you when you are crossing a street or walking along a highway.

With the atomic age bringing its particular perils it is interesting to be told by a physicist that a simple foxhole-shelter with a newspaper cover will offer "surprising protection" against radioactive fallout from an atomic explosion. He says it could cut radiation exposure to less than five per cent, what one would get standing in the open.

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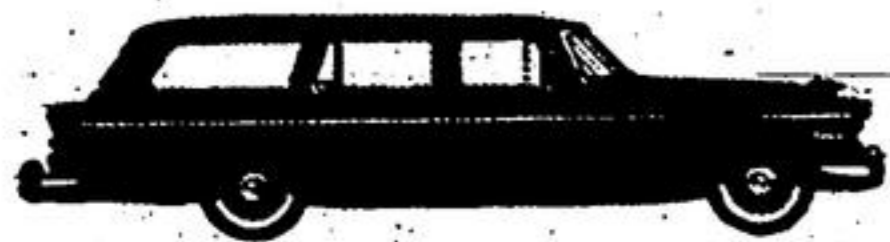
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