

PAGE SIX

Locate Fish With Radar

B. C. Fishermen Already Using Device Which Increases Catch

VICTORIA, B. C. (CP) — British Columbia fishermen are showing keen interest in a marine super-sonic depth recorder, described as the "radar of the deep."

The recorder, demonstrated on board the 80-foot fishing vessel Elwin R. owned by F. W. Smith and his 13 sons, is expected to prove a valuable aid to navigation and enable fishermen to know immediately when their vessels pass over schools of fish.

The instrument weighs less than 80 pounds, measuring 20 by 16 inches with a depth of one foot. It is located in the wheelhouse. Amidships is another device known as a "transducer," a stainless steel casing containing 180 sensitive crystals. Eighty of these crystals transmit electrical impulses downward to the bottom, while the remainder receive electrical vibrations after they echo back from the bottom. The echoes by means of a highly technical system, are then transmitted to a paper chart in the recorder.

By this chart fishermen can determine to within eight inches the water's depth. The continuing black line on the chart is an exact record of the sea-bottom contours.

Anything that comes between the bottom of the ship and the sea-bottom is also immediately recorded.

The device is so accurate and sensitive that even one small fish passing under the ship will be noted on the chart.

Salmon and tuna fishermen will not have to cover great areas with their gear. The recorder will tell them if the fish are there and thus save much valuable time.

One fisherman, William Burgess of Vancouver, said his catches in one month with the use of the recorder had yielded as many pounds of fish as were caught in nearly a year under the old methods.

PASTURE FOR POULTRY

(Experimental Farm News)

In recent years the science of nutrition has disclosed facts which have greatly improved poultry production in all its phases. That equally rapid improvement will continue to be made is hardly to be expected since each important step forward brings the saturation point closer.

Efficiency and quality rather than quantity of production will take on fresh importance under these conditions. In that phase of production which relates to efficiency and quality in growth, the subject of pasture is of first importance, says H. S. Gutteridge, Poultry Division, Central Experimental Farm, Ottawa.

The objects in providing pasture are two-fold: first to substitute consumption of forage plants for as great a proportion of the more expensive protein, mineral and vitamin feeds as possible and secondly to supply hygienic conditions for the growth of the young stock having regard particularly to the control of internal parasites.

Some of the factors which must be considered are: to use grasses which are not too coarse, to cut them frequently so that they will remain succulent, and that varieties which are palatable to poultry should be used. Short, fresh growth is more palatable, lower in fibre and higher in protein, mineral and vitamins. During the period of the wartime scarcity of proteins work in connection with poultry feeds at the Poultry Division, Central Experimental Farm showed that levels of protein considerably below recommended requirements were satisfactory for growth if even moderately good pasture was available. During the present acute protein shortage this finding is applicable and various estimates suggest that 20 to 30 per cent. of the cost of rearing may be saved through judicious use of good pasture.

Annual, permanent and rotational pastures all have their place according to the requirements of the individual enterprise. Stated briefly, annual pastures are most costly both from the standpoint of seed and cultural practices, but are particularly satisfactory for limited pasture areas and for the soil cleaning value of the large amount of cultivation required. Permanent pastures are most fruitful and have a negligible cost outlay for cultural practices, but in the case of established pastures there must be plenty of area to set up a three or four year rotation of permanent pasture if the parasitism is to be controlled. Rotational pastures in which poultry are on pasture in one year of a regular farm rotation, which cultivated and other crops in the rotation, is without doubt the most satisfactory considering all factors.

EMIGRANTS WANTED

Millions of people in hungry Europe are anxious to emigrate to Canada, and while the desire may be motivated by an eagerness to get to a country where food is plentiful and living conditions are infinitely better, there is no doubt that there are many of exceptional ability and fine character who would make excellent citizens.—Lachute (Que.) Watchman.

The Week at OTTAWA

BY H. DENT HODGSON
Canadian Press Staff Writer

OTTAWA (CP) — Clouds and thunder rumbling on the labor front, comparatively quiet during the winter months, are casting an ominous shadow in the capital as summer approaches.

While Labor Minister Mitchell deplored reports taking a gloomy view of the labor picture on the ground of an attitude that had led to industrial relations, union leaders with whom he met last week said there was a danger of strikes of major proportions in the steel, automobile, hard-rock mining, electrical, chemical and packing house industries which would seriously set back production of all goods in all parts of the country.

Like many another argument in the Ottawa arena these days, the conference between the minister and the representatives of the larger Canadian Congress of Labor Unions, termed a "disappointment" by the union officials revolved around the government's wage-price policy.

The Congress made these recommendations:

1. Provision for industry-wide rather than plant bargaining.
2. Amendment of the wage control order to allow automatic Labor Board approval of wage hour agreements resulting in take-home pay of not more than 20 per cent. more for a 40-hour week than was being paid for a 48-hour week.
3. Provision by the federal government, in cases in which no agreement is reached, of a board authorized to discuss wages, labor relations and prices.
4. Assumption by the federal government of full responsibility for re-establishing negotiations in strikes already started with the Congress pledging its assistance.

Mr. Mitchell, replying, said Canadians were "entering the last round in our battle against inflation." With heavy demand and limited supply of consumer goods the stage was set for inflation more disastrous than that which followed the last war. A measure of wage control was necessary to price control.

The Congress argued that such wage increases as increasing take-home pay up to 20 per cent. for a 40-hour week could not be inflationary.

"Inflation is possible only when total purchasing power in circulation is greatly in excess of goods. Current union proposals merely call for main-union purchasing power, plus a moderate compensation for increased living costs already permitted by the Wartime Prices and Trade Board."

Mr. Mitchell said he had heard certain public statements "said to emanate from the unions you represent" that a decision had been reached to follow a policy of striking in defiance of government legislation. Such a course, he stated, would cause "delay, confusion and chaos" and place the unions in a position where neither the labor department nor the government could render assistance.

The labor situation as the week ended held ample cause for concern. British Columbia's huge lumber industry was tied up by a strike which involved 37,000 workers, while the Canadian Seamen's Union threatened a strike of union members on all lake and coastal shipping, June 3 to enforce its demand for an 8-hour day instead of the present 12-hour shift. Such a strike would bring the Great Lakes transportation system to a standstill and halt vital grain shipments from the West to a hungry world.

The situation in the United States was much more threatening and drastic effects of the rail and soft coal strikes held grim implications for Canada. Reconstruction Minister Howe told the Commons the U. S. developments made a bad fuel situation "very much worse."

In the seven weeks from April 1 to May 19 Canada had imported only 710,000 tons of bituminous coal—compared with 2,978,000 in the corresponding period last year. This 2,268,000-ton deficiency would rise to 5,500,000 tons if the situation remained the same until the end of June.

Mr. Howe said "every possible step" was being taken to conserve soft coal supplies, but unless the situation improved soon the central provinces, Ontario and Quebec, "are threatened with nothing less than a calamity, and our people and our industry may be faced with hardship and distress on a scale never experienced during the war years."

The Liberal government survived two motions of want-of-confidence last week—both dealing with its price stabilization policy. A Progressive Conservative motion called on members of the House to express the opinion the government's price ceiling policy was discouraging food production and placing on food producers an unfair share of the burden of maintaining the price policy.

The C.C.F. motion, also defeated, asked members to express the opinion that recent "unjustifiable" increases in the prices of steel and farm implements had placed on the food producer and the worker an unfair share of the burden of maintaining the price policy.

Debate on the two motions ranged

through most of the week, with various ministers defending the government's policy in the face of heavy criticism from the opposite side of the Commons.

Wife is Helper To Smith of '96

Jacob Allen and Wife are Believed Oldest Blacksmithing Pair

BICANFORD, Ont. (CP) — Jacob Allen, 96-year-old blacksmith, who really works at the job, and his 68-year-old wife and helper, who can and does make an anvil ring, carry on what is probably the oldest blacksmithing partnership in Ontario.

Allen explained that his wife helps him because he couldn't get anyone else. "They all want 50 cents an hour for sitting around most of the time while you do the work at the bellows and keep the iron hot. Then they get up and hit a couple of blows that wouldn't kill a fly."

Ten years ago, at 86, Allen had worn out his first anvil.

"I beat it right down till it wasn't any good any more," he said.

He's working on his second. For 80 years he has been swinging a hammer. His wrists are thick and long.

There have been other Ontario blacksmiths approaching Allen's age who have still been in business, but they've been putters, Allen said. He's on the job every day and he does not pick "the soft stuff."

For a long time he has been trying to get out of business. His clients won't let him.

"They keep bringing the stuff in," Allen said. "If I could get enough help I could retire."

He is known throughout the district adjoining the Six Nations Indian Reservation where his shop is located. Much of his business has been with the Indians.

Ten years ago, at the tender age of 86, he gave up shoeing horses.

"They were getting too much for me," he said. "I just handle the repair stuff now, or make a new piece."

"Dad was in a spot so I had to come out here," his wife explained. "When he told me he couldn't get any help I said to him 'Well, Dad, I'll come out if you want me to and I'll do what I can.' He didn't like the idea at first, but later he said 'Okay, Maw. We'll see what you can do.' I must've done all right because I'm still here."

BEAVER MENACE

LINDSAY, Ont. (CP) — The beaver may be Canada's national animal but he's just a pain in the neck to Eldon Township Council. Councillors are complaining that beaver dams are causing water to rise and flooding roads in the vicinity.

FEMININE DIPLOMACY

It was beautification week. Said Brown to his wife: "It's a pity that the Perkins couldn't be persuaded to do something about that garden of theirs. It's a shame the way they've let it run to seed. It spoils what I might call the ensemble effect of all the backyards in the district. I think I'd speak to them about it."

"Don't you interfere," warned his god lady. "You're far too outspoken. Leave it to me. I'll handle it diplomatically."

Next morning when Mrs. Perkins was hanging out her washing, Mrs. Brown looked over the fence. Seizing a favourable moment when her neighbour had pinned the last of her husband's pre-war shirts to the line, she remarked:

"Do you know hanging up that old shirt reminds me of the great shortage. We're thinking of planting more beefsteak tomatoes and kidney beans." She giggled facetiously. "But you won't have to worry, my dear, with that lovely patch of lawn's quarter and chicken weed spread all over your back lawn."

BLIND VETERAN'S LOSS

EARL HILBY, Sask. (CP) — Fire recently destroyed six horses, thirteen loads of oat sheaves and hay, a barn, an empty granary and a cow on the farm 30 miles north of Regina of Guy Foster, blind veteran of the First Great War. When questioned concerning his loss, Mr. Foster smiled. "These things sometimes happen."

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STRAWBERRY CROP UP

QUEBEC (CP) — Quebec's 1945 strawberry crop amounted to 3,500,000 quarts for a total value of \$685,000. The crop represented an increase over last year's harvest of 2,000,000 quarts, valued at \$420,000.

PICTON, Ont. (CP) — Two four-month-old Chesapeake retrievers have been shipped by Laverne Wright, Picton, to a buyer in Victoria who plans to exhibit the highly pedigreed dogs in the show ring.

CANADA'S ORIGINAL AROMATIC PIPE TOBACCO
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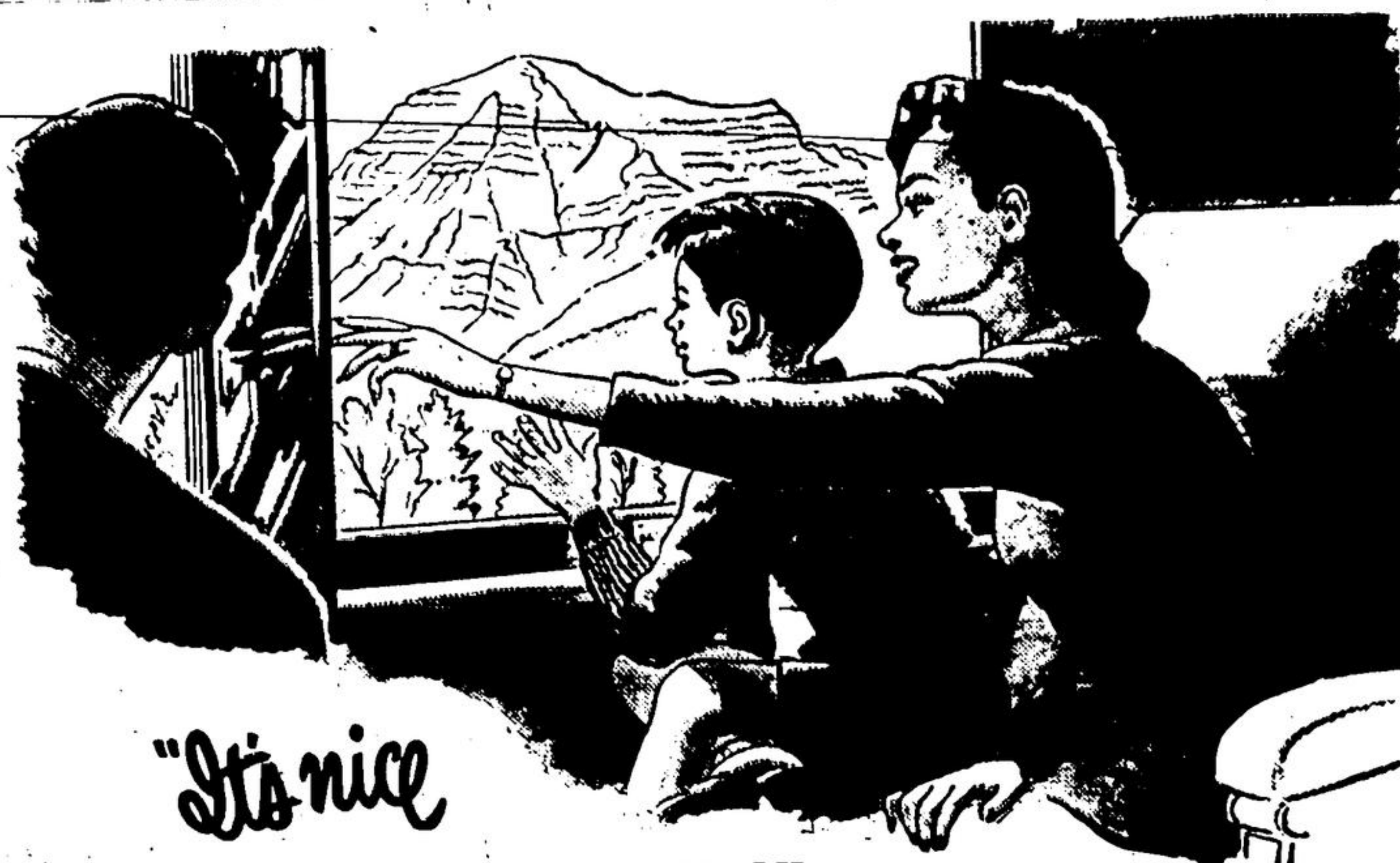
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