

SHAD RUNS

According to the results of recent investigations carried on by Mr. A.H. Leim of the Biological Board of Canada, shad deposit their eggs in large numbers in rivers or streams where conditions are unfavorable and where a very large percentage of the fry die either in the egg stage or shortly after they hatch out into fry. The consequence is that in order to keep up the usual number of adults a much larger proportion of the newly born must survive. As a rule, most fish lay far more eggs than are needed. Nature is very prolific. A cod may lay as many as 30,000 eggs in a season. An average sized salmon may lay from 8,000 to 10,000 eggs.

These numbers are not all needed to keep up the race. Nature makes allowances for many of the eggs and young being killed. Some of them are eaten by other fish; some are killed by cold; some of the fry may get stranded on the shore or imprisoned in pools which dry up; and many die from lack of food. A thousand and one accidents may happen to reduce their numbers.

The shad eggs and fry are not exempt from such necessities. Shad lay their eggs in fresh water. They come up from the sea during the latter half of May and early part of June. If the water happens to be very cold—50° F. or under—the eggs all die. If the temperature rises as high as 54° F. about 10 to 12% of the eggs live. Consequently if fishermen catch a large number of the parent fish where they are spawning it easily happens that in the course of many years not enough parent fish remain alive to keep up the race. This is what has happened to the shad since 1875 when the fishermen of Canada caught as many as 3,200,000 pounds. In fact they caught far too many—so many in-

deed that a great scarcity resulted in the early years of the twentieth century. In 1921 only 300,000 lbs. were caught or about one tenth of the catch in 1875.

Coming back now to Mr. Leim's investigations; he discovered during the past four years a method by which the supply of shad fry might greatly be increased. The method consists simply in gathering up the eggs where they have been laid in fresh water and transporting them to brackish water. When he did this he found that four or five times as many fry hatched out as when they were left in fresh water. The best temperature for rearing the fry, he discovered to be 65° F.

The people of the Miramichi valley will be asked in due time if they are willing to co-operate with the Department of Fisheries in increasing the shad supply. If they are, it is expected an attempt will be made to do so; but there will be no compulsion in the matter. Fishermen and the public must decide. If they are favorable, what will be expected of them is to restrict shad fishing while the shad are in the river. The season now is about a month long. Fishermen will be asked to consent to reduce this season by a half or even a quarter

so that fewer parent fish will be caught than at present. That will be quite a sacrifice for river fishermen, but there is no other way than this of increasing the numbers excepting by prohibiting all fishing for several years as was done several years ago. It is hoped that if the season is shortened the great result will enable the fishermen to catch in a short time quite as many fish as they do now in a longer season.

MIRAMICHI BASEBALL LEAGUE SCHEDULE

June 30—Newcastle at Loggieville
June 30—Chatham at Nelson
July 3—Loggieville at Chatham
July 3—Nelson at Newcastle
July 7—Loggieville at Newcastle
July 7—Nelson at Chatham
July 10—Chatham at Loggieville
July 10—Newcastle at Nelson
July 14—Loggieville at Chatham
July 17—Chatham at Newcastle
July 17—Nelson at Loggieville

RED ROSE

TEA "is good tea"

The ORANGE PEKOE QUALITY makes finer tea and more of it

Agents Wanted To Sell "Magic Gas"

In Counties of Northumberland and Gloucester

"Magic Gas" has proven a mileage increase of 5 miles per gallon of gasoline used. \$1.00 box is sufficient to treat 100 gallons of gasoline, thereby giving 100 times 5 or 500 miles. Figure the average car mileage at 15 miles per gallon, and at this rate you will find that it would take 331-3 gallons of gasoline to go 500 miles. Therefore, are we not right, in saying that "Magic Gas" equals a gallon of gasoline at 3 cents? Certainly we are. If one box gives mileage, equal to 331-3 gallons of gasoline and costs only \$1.00, it is equal to gasoline at 3 cents a gallon. If you were not using this "Magic Gas", you would have to buy 331-3 gallons of gasoline more.

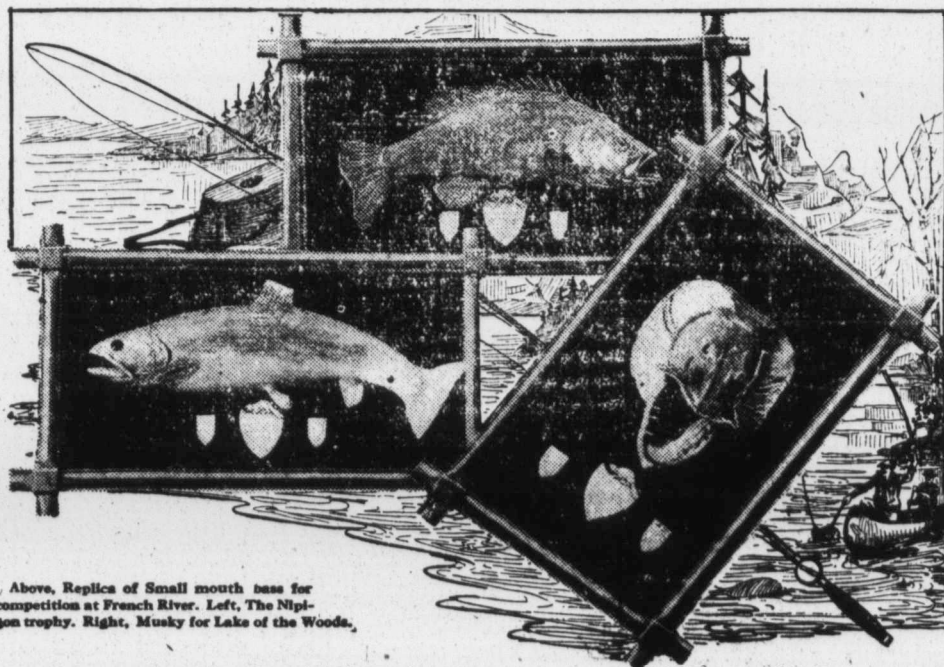
Agents receive good commission and "Magic Gas" is a good seller.

Apply to

John W. McKAY,

Millerton, N. B.

Striking Fish Trophies



Above, Replica of Small mouth bass for competition at French River. Left, The Nipigon trophy. Right, Musky for Lake of the Woods.

These three handsome trophies of unusual and striking design have been offered by the Canadian Pacific Railway for annual competition between guests at each of its three Ontario Bungalow Camps and will be awarded to angler catching largest fish of specified variety in each case.

The trophies have been prepared from exact moulds made of exceptional specimens of fish and, with white metal as a base underneath a dull silver finish, faithful and lifelike facsimiles have resulted. They are displayed to advantage on a black oak panel.

For French River Bungalow Camp a 6 1/4 pound small mouth bass has been reproduced; while the trophy for the Camp at Nipigon is a replica of a 6 1/4 pound speckled trout. A feature of the Devil's Gap Camp (Lake of the Woods) trophy is the realistic and fierce expression of the head of a large muskellunge, with its bristling array of teeth.

It is expected that these trophies will create wide-spread interest and keen rivalry among anglers from all over the continent.

WHEN USING
WILSON'S FLY PADS
READ DIRECTIONS CAREFULLY AND FOLLOW THEM EXACTLY.

Best of all Fly Killers 10c per Packet at all Druggists, Grocers and General Stores

Here and There

Shipments of grain from the Grande Prairie and Peace River districts over the Edmonton, Dunvegan and British Columbia Railway during the past season have totalled 2,471,000 bushels of wheat and 1,700,500 bushels of other grains.

The longest solid train of red cedar edge grain shingles ever hauled across the continent left Vancouver, B.C., recently for Chicago and the Eastern States. Several other long trains of this product will be shipped in the near future by the Hunt & Merritt Lumber Company, by whom the consignment was forwarded.

A despatch recently sent from London states that Professor Carlyle, of the E. P. ranch, is sailing for Canada shortly, taking back with him a number of brood mares and other stock for the ranch. The Prince of Wales continues to evince the deepest interest in all the doings of the ranch and keeps in close touch with things there.

Approximately the same acreage as produced the West's bumper crop last year will be under cultivation this season. The outlook now is that over 14,000,000 acres of land will be ready for seed under generally favorable conditions. The estimated acreage to be seeded this year, by provinces, is as follows: Manitoba, 4,450,400; Saskatchewan, 3,354,190; Alberta, 3,472,315.

The value of boots and shoes exported by Canada during the year ended March, 1924, more than doubled the value of Canadian boots and shoes bought by other countries during the preceding year. Last year the exportations were valued at \$304,913, and for the preceding year at \$130,034. The United States was the chief buyer, taking 2,227 pairs, with Japan second, taking 1,628 pairs.

Concluding her round-the-world cruise, the palatial Canadian Pacific steamship "Empress of Canada," docks at Vancouver on May 24th. Reports indicate that this four-months' pleasure voyage under the genial care of Captain Robinson, hero of the Japanese disaster, has been a splendid success, the passengers being loud in their declarations of satisfaction.

During the fiscal year ending March 31st, 1924, Canada imported goods to the value of \$893,335,491, an increase of \$31,660,000 compared with the previous similar twelve months, while she exported \$1,045,141,056, an increase of about \$110,000,000. The total trade increased in that twelve-month period by about \$216,000,000, compared with the corresponding period a year ago.

It is expected that negotiations between the British Government and the Province of British Columbia will lead to the settlement of several shiploads of immigrants from the Hebrides in the province this summer. Each Government proposes to grant \$300, or \$500 in all, to each family and shelters will be provided them close to the sea, where they can engage profitably in their accustomed pursuit, fishing.

The itinerary of the personally conducted tour of the Canadian Teachers' Federation, en route to their annual convention to be held at Victoria, B.C., August 12th to 16th, has just been announced. Starting from Toronto, a special train for the teachers will proceed west by Canadian Pacific Railway, halts being made at Western Canada's chief points of beauty and interest. It is expected that about 150 will make the trip.

That Sweden is capable of sending 25,000 men to Canada as immigrants yearly was the statement of Otto Elander, prominent Swedish editor, when in Montreal recently. Mr. Elander is touring Canada with the object of studying conditions as they exist in Swedish settlements here and reporting upon them to his fellow-countrymen desirous of immigrating to this country.

STOP that cough before it begins take
SCOTT'S EMULSION

right now to nourish the system and to build up strength and resistance.

Scott & Bowman, Toronto, Ont. 22-23

First Impressions Are Important

In a world where appearances are valued as indexes to character, *Your Stationery* should represent you worthily—always and everywhere.

That atmosphere of character and refinement, which should distinguish all self-respecting correspondence is assured when you place your stationery order with us. If you allow us to furnish your

Letter Heads, Bill Heads, Shipping Tags, Office Forms, Envelopes, Statements, Etc.

they will reflect the dignity and self-respect of the discriminating, and be an excellent advertisement for your business, for a business man may be judged by the quality and style of his printed matter.

The Advocate Job Printing Department

is without doubt the best equipped on the North Shore, and consequently in a position to turn out all kinds of Job Printing *Neatly, Promptly and Satisfactorily*, at very reasonable prices.

We are constantly adding new type and material to our already up-to-date equipment, and we have recently put in several of the newest type faces manufactured.

Let Us Prove

to YOU the truth of the above statement by giving us a trial order for any of the above mentioned office requisites, or an order for

Posters or Dodgers, any size Flyers, Circulars, Programs Menus, Display Cards, Business or Visiting Cards, Price Lists, Booklets

in fact, *ANYTHING YOU WANT PRINTED Neat, Artistic Two-Color Work a Specialty. Call on us when you need anything in our line. We assure satisfaction. Mail orders receive our careful and prompt attention. Write us for prices.*

Yours for Good Service

The Advocate Job Department

Phone 23

P. O. Box 359

Everything in Printing.