Water Measured At Niagara Falls

One of Steps Taken in Study | Most of 857 Accidents Occurof How Best to Preserve Its Scenic Beauty

New York .- The recently published press reports of the Special International Niagara' Board-a body of emineers and landscapists-on how the of whom were children under 15 scenic beauty of Niagara Falls can years of age, and injured 835, of whom best be maintained gave only meagre 213 were children. details of how this interesting work The report of the motor vehicles was measuring the water going over awys, issued recently by J. P. Bickthe falls.

York mainland to Goat Island by normal. readily computed.

brink of the Horseshoe falls presented 13 of which occurred at unguarded a more serious problem and results crossings, killed 11 victims and inwere secured by means of floats. The jured 13. Six crashes occurred at floats were made of scantlings, so crossings guarded by automatic sigbuoyed and weighted as to float per- nals and two at points guarded by pendicularly with submerged lengths; gates or a flag man. of from one foot to twelve feet, and | Out of 1,286 cars involved in accihaving flagged tops that could be read- dents during the month, 1,017 were ily observed from the shore. These reported in good condition and only floats were taken out on the river; 37 with defective brakes. Only 168 above the rapids in motor boats and commercial vehicles, 18 taxicabs and dropped into the water at definite seven buses figured in crashes as points on a range line across, the against a total of 1,030 passenger cars. river. When a float was released the Violations of the law recorded in 343 watchers on the shore recorded its instances include 76 cases of drivers progress by transit and stop-watch exceeding the speed limit, three of observations, aided by photographic passing on a hill or curve and two of globe encircling jaunt has been comand moving-picture records. By these passing a standing street car. methods the rate of flow of the float teen motorists were convicted of cutin each section was readily computed. ting in and 93 drove off the roadway.

right, it was evident it did not touch by cars during the month and 240 inbottom. Longer and longed floats jured. Of this total, four fatalities trip a year ago. were sent through until one dragged and 112 injuries were cases of childon the bottom. Then with the length ren knocked down while playing on of the float known and by noting the the street. angle of inclination, it was possible to calculate the depth at that point. To secure records of the characteristies of the current in the rapids adfacent to the river banks near the falls, it was found necessary to shoot the floats from spring-guns on the ence in the sectional prize list of banks.

cause and characteristics of the bluish encourage the production and distri- creation park. The last burial was in green color of the water at the brink bution in commercial quantities of 1825, and small houses now surround and how this beautiful effect might be superior seeds from crops that have it. In granting the town's request the heightened by securing greater con- been inspected in the field and chancellor of the diocese remarked: trast with the foam curtains at the which carry certification of inspecedges and shallower parts. hTe color tion. The classes have been ex- except as they disclose the favorite phoso is most effective when seen tended to cover sixteen seeds and virtues of the eighteenth and early from across the gorge. As a result of seed grains. More prizes are of nineteenth centuries, such as humility the investigation the board determined fered than in 1930 for wheat, barley that the conservative minimum depth and oats. There are additions to of water on the crest of the falls, for the previous lists of peas, beans, maximum brilliance of color, is five mangels, swedes, potatoes, clovers,

was the survey of the water surface for the bread grains, peas, beans and in the rapids above the falls by photo- potatoes and four valuable trophies topographical methods and the de- are offered. In addition, there are velopment of a small scale relief map national contests and exhibits for and model representing the water sur- boys' and girls' agricultural clubs face over the entire rapids. The held under the direction of the Canamodel was made by the Topographical dian Council on Boys' and Girls' Survey of the Department of the In- work. terior of Canada.

The engineers who compose the International Niagara Board are J. T. Johnston, C. E., director, Dominion Water Power and Hydrometric Bureau o (the Department of the Interior, for majority of the recurring accidents on Canada; and Major DeWitt C. Jones, Corps of Engineers, U.S. Army, for the United States. The members added to form the Special International Niagara Board were Dr. Charles Comsell, Deputy Minister, Department of Mines, for Canada, and Dr. J. Horace McFarland, past president of the American Civic Association and chairman of the Art Commission of Pennsylvania, for the United States.

Barley Ranks Third

In Canada's Cereal Crops Barley ranks third among the cereal crops of Canada in acreage and total yleld and second in average yield per acre. Last year oats led in both total yield and in yield per acre; wheat Forty Bergs Passed in came second in total yield and third in yield per acre, while barley came sec-! ond in yield per acre and third in total yleld. Barley is the hardiest of all coreals, and can be grown through a greater range of climate than can any other. Its production dates from an clent times when it was used principally as an article of food. As the centuries progressed its uses became more varied and now its main consumption is in the production of bevorages, though it still retains its uses as food both for man and beast.

A special report upon the production and uses of barley in Canada has recently been issued. In a survey of the production of this grain during the last decade it appears that the crop of 1930 was very little less than the highest of the period. The price, however, in 1930 was abnormally low. The largest yield of barley during the years 1926 to 1930 was in 1928, when it amounted to 136,391,400 bushels. The yield per acre in that year was grain continue to increase. Official 27.9. In 1930 the total yield was 135,- figures of the tariff office show that 150,200 bushels and the yield per acre during the last eleven months Italy 24.3 bushels. The weight per measured imported 13,990,409 quintals compared bushel throughout the five-year period to 7,761,238 quintals in the period 1929varied from 47.04 pounds in 1923 to '30. 1930 was 47.22 pounds.

59 Killed in Month By Ontario Motors

red in Daylight on Good Roads

Traffic Rules Violated

Toronto.-Motor traffic in Outarlo ent Canadian and United States engin- took a toll of 59 lives last month, 16

was carried on. An essential part branch of the Department of Highell, registrar, shows a total of \$57 ac-The comparatively small amount cidents during the month involving and even distribution of the flow go- 1,286 cars. The majority of these ocing over the American falls presented curred in daylight on good roads in little difficulty to the board. A light clear non-skid weather and involved rope was shot across from the New drivers described in the report as

means of a mortar, then a steel cable Nor in the main were the accidents was hauled across and tightened and due to disregard of the law by the by the use of a carrier system pro-idrivers. Less than 50 per cent. of the vided with weights and meters the dis- cases, 313, are laid to violation of trafcharge figures were obtained from fic regulations and of these only 97 to which the depth and rate of flow over speeding, cutting in, passing on hills the brink of the American falls were and curves or passing standing street

The depth and rate of flow over the Level crossing accidents, 10 out of

If a ficat went through its course up- |. Twenty-one pedestrians were killed

More Prizes Offered for Wheat, Barley and Oat Seed

· Registered and certified Alfalfa, grasses, corn, beets and An interesting feature of the work onlons. These are championships

Accident Prevention

Three Rivers Nouvelliste: When one considers the cause of a large the public highways, only one conclusion can be arrived at. It is that the problem of traffic safety resolves itself into one main phase. Negligence on the part of the driver is still at the head of the list of accident causes. it would seem, then, way casualties to the minimum. will suffice if the drivers of automobiles are prudent at all times and in all places, particulary at intersections, at level railway crossings, and when meeting or passing other vehicles on the highway. What a simple remedy can thus be applied effectively to a veritable public plague.

One Day Off Labrador Boston .- The sighting of 40 icebergs in a single day was reported in a communication received from Lieut. Commander N. G. Ricketts, commander of the coast guard's oceanographic expedition in northern latitudes. It is the purpose of the expedition to obtain data through which the annual invasion of the steamer. lanes by icebergs may be forecast.

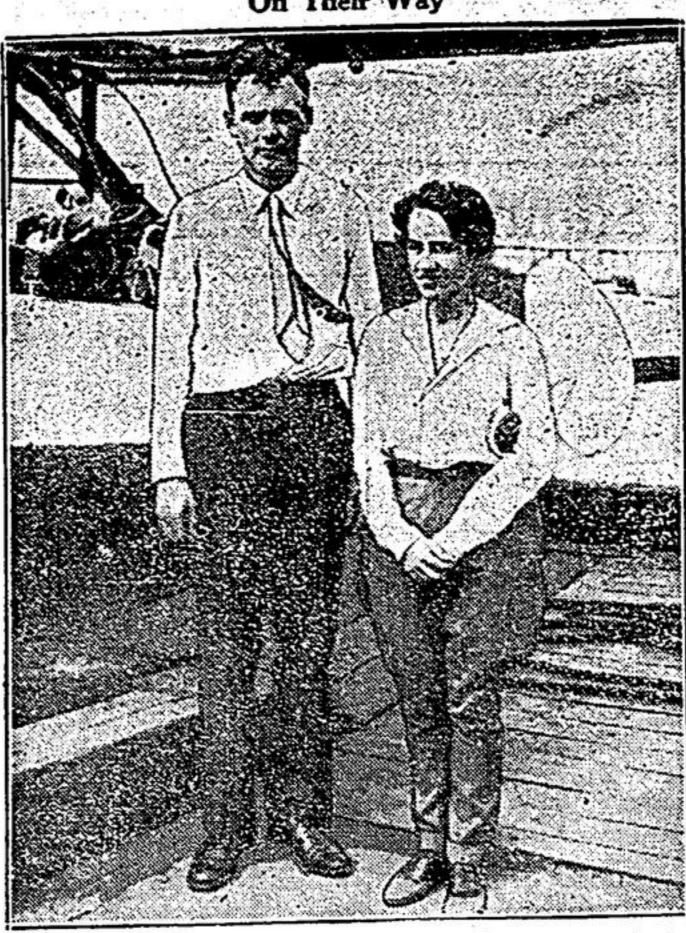
The expedition is now operating in Northern Labrador waters, far above the trans-Atlantic steamer lanes. After an earlier cruise in the region of the Grand Banks, Commander Ricketts commented upon the scarcity of bergs in the steamer lanes this year.

Italy Continues to Increase Purchases of Foreign Grain

Rome.-Italy's purchases of foreign

47.31 pounds in 1929. The weight in This represents an increase of 10,j 236,121 quintals.

On Their Way



Col. Charles Lindbergh and Mrs. Lindbergh are shown in front of their aeroplane just before they took off from North Beach Airport, L.I., July 27th, en route to Washington, on first leg of their 7,100-mile jaunt to Tokio, Japan.

Youths Travel 33,000-Miles New Flying Rules Around World on \$700

Port Wayne, Ind .- A 33,000-mile pleted at a cost of less than \$700 by Harold Greinert, Fort Wayne, Paul Neipp, Cleveland. The youths, both of were were graduated from Concordia College here, began their long

Among the methods of earning transportation engaged in by the youths was peeling potatoes on an ocean liner. In Spain they traveled more than 750 miles on bicycles.

Old English Burial Ground have been given increased promin- To Become Recreation Park

Twickenham, England.-Unused for the Royal Winter Fair for Novem- more than a century, the old burial

"The tombstones have no interest -now sadly out of fashion."

The Geodetic Survey of Canada

The Geodetic Survey of Canada, of the Department of the Interior, plays an important role in the development of the Dominion, providing by its work an accurate basis for all kinds of other surveys whether relating to the making of maps or charts, the laying down of interprovincial and other boundaries, or the construction of powerhouses, dams, canals, railways, irrigation ditches and the like.

Australian Oranges

by the public.

markets of western Canada.

Greater Safety for Airline Passengers Object of Regulations

Washington. - Now regulations to make flying safer on America's passenger air lines were adopted at a recent conference of pilots and aperators at the Commerce Department

The crash several months ago which killed Knute Rockne, Notre Dame football coach, and seven other persons, was largely responsible for one of the most important safety measures. It prohibits passenger trans-The board also investigated the ber next. The competitions are to ground here will be turned into a re- port planes to fly over stretches of fog and clouds without two-way radio equipment.

Another of the regulations gave the pilot an 8-hour day, forbidding him to work longer than that.

drafted and promulgated. They were Now, when the light goes out, every- Georges is the first attempt to make reached by representatives of all have attended such a meeting.

forbids a trip where the destination the corner. Sister can't curl her hair, ermen. At the present time this area is a lauding field on which fog or cloud Brother's toy trains stop running, the is the most productive locality for the New York offices. The German ceiling is lower than 300 feet. Clouds heat in the bath room goes off, the bed-fishing craft out of the great markets and fog played a part in the crash warmer doesn't work, and the orange at Boston and Gloucester. Relatively posed to fare reductions on a drastic which took Rockne's life.

only 30 hours a week and will have a marking time till the storm abates. prolonged rest period between flights taking six hours or more.

Regular passenger lines will be reconsisting of 5000 cases has arrived on multi-colored planes only when the ful as to divert the course of a vessel, the new dock of the Clyde Navigation estimated at from 30 to 50 per cent., at this port. The fruit is of good first pilot is scheduled to fly six or has been undertaken by the United Trust at Shieldall. quality and is being favorably received more hours in one day. This is a re- States Coast and Geodetic Survey, it Australian oranges, it is anticipated, quirements for the larger planes, de- liam E. Parker, of the government will from now on give steadily in manded by the airline operators as a steamer Hydrographer. done to reduce the number of high- creasing competition to California move for economy which would not proposal, but it was approved.

J. Russell, Ottawa and Olin A., youngest of the Camily, of Ottawa.

The nine Beach brothers, most of whom live in eastern Ontario, got together for the first time in

years at their first annual picule held recently along the banks of the Long Sault. Left to Right:

Charles A. Boach, Cornwall; Frederick W., Winch ester; Benson C., Ottawa; Dr. (Anson, twin of Ben-

son), Dominion government inspector; Mahlon W., Barrie; Dr. Howard, Ottawa; G. Weston, Toronto;

Brothers Stage Re-Union

Drawn Up in U.S.

orities to clean up the beach, which "Lone E."

We are pleased that as a result of | we think was exceedingly good work, landers with their variable climate the publicity given to Lone Scouting as we have seen quite a few beaches need not look longingly to California's through these columns many new recently that could very well benefit equable temperature for they are far members have joined the movement by a similar "Good Turn." during the past few weeks. This Lone Scout visitors to Provincial opinion of Dr. Ellsworth Huntington, week applications for membership Headquarters in Toronto recently have climatologist of Yale University, who have been received from Cobden, Hy- included Bill Gilbert, of Essex, and read a paper before the biological con-

WITH THE

a full Patrol being formed. A recent check up of the records of a visit. Louies who come to Toronto matic influences. Dr. Huntington the Ontario Loue Scout Department for any reason are always welcome proved that frequent variation in temshowed that since its inception two visitors to Scout Headquarters, so we peratures not only induced greater reyears ago about 460 boys have been hope you won't forget to pay us a sistance to disease and death, but also admitted to membership in the move- call.

as a result of Lone Scout activity. Senior Patrol Loader Doug. Warren cles of fish. At least one specimen tory workers in New England and have had a very busy time just recent- must be taken by fly-casting or troll- North Carolina. ly. On July 4th they had the pleasure ing and one by bait-casting. In single of again meeting their friends of the handed fly-casting the rod must not 51st Toronto Troop, who camped near exceed sevon ounces in weight; in or most healthy temperature average the town. The Lonies helped the double handed fly-casting the rod may was 0 degrees, while for intellectual Toronto Scouts to make camp, and en. be one ounce weight for each foot in work persons fortunate enough to live tored ito their activities with zest.

to visit the camp of the 90th Toronto Troop at Sandy Point, on Sturgeon Lake. They hiked over to the camp an old friend who turned out to be casting for distance of 40, 60 and 70 states favor a gradual increase in none other than "Cookie" ("Colonel" Walton), who was so popular at the Lone Scout Camp at Ebor Park last summer. The Lonies stayed over night with the 90th, and entered into their programme enthusiastically, having a great time at the evening council fire.

.We like to see this fraternization between the Lonies and their city brothers, and we are pleased to state that the law. quite a few members of the Lone Scouts have gone to camp this year with regular troops, at the latter's in-

dro. Burkes Falls and Harriston, and Jack-Bassett, of Listowel, and Harold ference in session here. at Durham there is overy prospect of Nickle of Harriston was in Toronto a short time ago, but he did not pay us statistical numbers in relation to cli-

gular troops which have been formed requirements are as follows: The Louis at Fencion Falls under catch and name seven different spe ments had also been made among faclength; in bait fishing the rod must in an average temperature of 38 de-

> gle-handed casting with the fly for dis- given individuals with weather records tances of 20, 40 and 50 feet, or in bait showed that winters in North Atlantic

3. Make three artificial flies (either a sharp decline. The intervention of after three standard patterns or in a cool summer, however, not only imitation of different natural flies). | maintained the winter weight but ac-Make a neat single gut leader at least | celerated the rate of gain until a peak four feet long, or a twisted or braided in November, Dr. Huntington continleader at least three feet long. Splice | ued. Similarly a rise in temperature the broken joint of a rod neatly.

game fishes in his vicinity, and explain suggested. how and why they are protected by

Applications for membership in the Steamer Lines to Cut Lone Scouts will be received from boys between the ages of 12 and 18 inclusive, who cannot become members of The Fenelon Falls Lone Scouts also a regular Troop, for reason of locality report a rather unique "Good Turn" or other handicap. Applications which might be copied by other Lonies should be sent to the Lone Scout Dewho live along the lake shore. They partment, The Boys Scouts Associarecently assisted the local town auth- tion, 330 Bay Street, Toronto, 2 .-

Disaster

makes us laugh, with a hearty old the Hydrographer through the whirllaugh, to see how completely our friends' country homes go to pieces nowadays when anything happens to course. the electric current. It used to be Assistant Secretary of Commerce that when a storm broke down the Clarence M. Young announced that electric wires, the only thing that the new measures would shortly be happened was that the light went out. turn to the banks. The work on no coffee in the percolator, no dialogue time next year. In addition to providing for radio in the radio, no toast in the toaster; It is expected that results of the surcommunication, the fog regulation also the vacuum cleaner stands silent in vey will be of great assistance to fishsqueezer stops squeezing right in the few vessels go down to the more re- scale. Besides being restricted to an eight- middle of an orange. It's just a ques- mote Grand Banks nowadays from this hour day, a pilot will be allowed to fly tion of gathering around a log fire and country.

Whirlpool Found

Off Atlantic Coast

The whirlpool, when discovered by oranges which have dominated the lessen safety. The pilots opposed this spot approximately 150 miles due east Captain Parker, centered on a shoal

of Cape Cod. Its action was described as spinning outward instead of toward The New Yorker.-Disaster. It its center. Several attempts to force pool were frustrated by the currents which threw the vessel's head off the

Captain Parker is going to study the whirlpool more closely as soon as the lowered. The cuts will be effective survey fleet of four small steamers re- August 17. agreed on by 30 airline operators and thing else quits too. There is no ice an exhaustive survey and charting of 11 pilots. It was the first time pilots in the icebox, no music in the piano, the shoals, and will be completed some

Their Majesties Open Glasgow Dock

Vancouver.—The first shipments of or extensions of operation to the de- Boston,—Investigation of an ocean Scottish capital, Queen Mary and King called at their request. The dethe new crop of Australian oranges partment. Two pilots will be required whirlpool on Georges Banks, so power- George paid a visit to Glasgow to open crease in American tourist traffic,

In his speech the King spoke of erely. laxation of the present co-pilot re- was reported recently by Capt. Wil- former visits to Glasgow and recalled Tourist traffic was the most widely Glasgow's enterprise in the develop- discussed problem before the conment of trade with North America. ference. It was estimated that The Queen performed the naming Europe has lost about \$250,000,000 ceremony, and, after His Majesty had this Summer because American tourunveiled the memorial stone, he de ists have remained at home, and a clared the dock open for traffic. The large fraction of the cut in steamstone bore the inscription: "This dock! ship passengers has been due to the was opened by their Majesties the absence of tourist parties. King and Queen on 10th July, 1931, and named George V. Dock."

Raw Hides Tanned

ing leather of an excellent quality now in Juneau, Alaska, half the from raw hides in a week has been de- Muir Glacier, in Glacier Bay, Alaska, finitely solved through a Swedish in- has collapsed. vention, called after the inventor, the The telegram stated that Pack suc-Wrange-Friberg method.

formed by the Friberg vacuum pump, the wings, is about 9,200 feet wide, which makes possible rapid and per- stands 210 feet above the water at fect tanning of hides in a practically the front, and is 700 feet deep below complete vacuum,

Britain's Crime Problem Increasingly Serious that of Rhode Island. London.-Great Britain's crime prob-

lem, Lord Justice McCardie said at the opening of the Birmingham Assizes, is more serious than at any other time during the last sixty years .. "Modern criminals," he said, "are more lugenious and astute. Perhaps the greatest feature of recent years is that the number of boys under sixteen convicted of indictable offenses was much greater in 1929 than in 1907."

\$60,000 Home for Animals of Cruelty to Animals.

and the contraction of the contr

Variable Climate Found Healthiest

Dr. Huntington Tells Biologists of Weather Influences on Man

Matamek Factory, Que.-New Engbetter off in New England in the

By a uniform system of plotting favored mental activity. He told of This week's Summer Time Profici- his experiments with cadets at West have been since transferred to re- ency Badge is the Angler's Badge. The Point and Annapolis with a view to determining most favorable tempera-1. By the usual angling methods ture for work and health. Experi-· Healthy Temperature

It has been found that the optimum Later the Lone Scouls were invited not exceed ten feet in length nor grees enjoyed greated stimulation of the yest the camp of the 90th Toronto twelve ounces in weight.

2. Show proficiency in accurate sin- Comparison of weight records of affected mental efficiency. This was 4. Give the open season for the the explanation of spring fever, he

Fares Across Atlantic Paris-Steamship travel between the United States and Europe will be 10 to 30 per cent. cheaper after

August 16. In an effort to attract more tourists to the luxurious suites as well as the cheaper cabins of transatlantic liners, the North Atlantic Steamship Conference agreed to a reduction in virtually all classes.

The first class fares will be slashed 10 to 30 per cent. The third class fares will be reduced 13 per cent. and all supplementary charges for cabins occupied by second class and tourist class passengers will be

The rate-cutting decision was and Canadian ports and the principal ports of North Europe. The United States lines insisted that all decisions relative to reduction of traffic, as had been proposed, must rest with

The fast German liners, Europa and Bremen, were said to be paying for their operation, although some of the smaller German lines were running at a loss.

The English lines led the hove Glasgow.-After a busy week in the for fare cuts and the conference was

Muir Glacier Falls

Washington-According to a telegram received by the American Na-In Week in Sweden ture Magazine from Arthur Newton Stockholm .- The problem of produc- Pack, editor of Nature Magazine,

ceeded in taking motion pictures of The vital part of the work is per- the fall. The glacier, not counting the water line. The ice is about and extends back 900 feet thick, about 15 miles. The area of the glacier is estimated to be equal to

British Schools Plan

Study of League London - Courses of study for

teachers and pupils from the public and secondary schools of Great Britain are being held at Geneva in July and August this year, with a view to enabling both students and teachers to examine the work of the League of Nations from within,

The Geneva Institute of Interna-Springfield, Mass .- A home for ani- tional Relations holds its summer mals to cost \$60,000 is being built here sessions in the offices of the League by the Springfield branch of the Mas-| Secretariat from Aug. 16 to 21. The sachusetts Society for the Prevention discussions of the institute are led by deputation.