Canada

ewsletter of The Canadian Canal Society/Society

1954 September 1994
President's Me

A R R R

Then I agreed to be Vice-President of the CCS, no one told residential column for the Newsletter. Both CCS business ersonal and professional life have crowded the time availa

Thanks to ongoing executive members who have laid which our organization will continue to grow. Not the past two years has been the formulation and ado

the past two years has been the formulation and ado which was adopted at the May '94 annual meeting. C this fall.

Welcome to the new executive members; you have I Presidential observation to date, the ability to fill the

See other portions of this newsletter for progress rependeavour, the CCS Fall '94 Peterborough safari, the Sconference in Peterborough, and the 1996 CCS Great

Enlarged Presidential remarks will emerge in the nex

orman Macdonald

eterborough 20-23 September 1994 - International Flast minute reminder! As mentioned in the March '94 CC

cation honours the 90th anniversary of the Peterborough

members, via Farr Coach Lines (our favourite charter coach Buffalo waterfront. Buffalo had been planned as a destinat were finally able to take in what the waterfront had to offer Niagara River, Buffalo Creek, Buffalo Harbour, Erie Canal highlight being Buffalo's original lighthouse built in 1833. at the Buffalo and Erie County Naval and Servicemen's Parthe men and women who have served during wartime, sin Our tour took us towards the Niagara River, past Chippaw through the former village of Chippawa (now incorporated).

This year's Spring Tour, following the Annual General Med

Of course, we all know that the Chippawa Creek formed power will be with the Chippawa Creek formed power will be with the Chippawa Creek formed power will be will be

Niagara Parks Commission, was most enjoyable. It gave us of the "grand and mighty Niagara," to view Navy Island (with shaping responsible government in Canada in the days of Rebellion of 1837-38) and Grand Island, the location of fine prestige industrial research complexes and offices. Navy Is the care of The Niagara Parks Commission, while Grand Island.

Crossing over the Peace Bridge (opened 1927 to commemor Canada and the States) provided a panoramic view of the vinto the Niagara River on the one side, and on the other, a crock Lock (part of the Erie Barge Canal) and the Internation 1873), the first bridge crossing of any kind over the Upper 1 (Bridgeburg) and Buffalo (Black Rock) and still the only rail

Niagara — the Peace Bridge is the only vehicle/pedestrian

The morning highlight was a cruise of the Buffalo waterfrom
the MISS BUFFALO. A somewhat windy and cool day, with
opportunity to "experience" in a small way, what it might

the MISS BUFFALO. A somewhat windy and cool day, wit opportunity to "experience," in a small way, what it might River on a stormy day. We were able to cruise out of the halake Erie, and into the Niagara River, under the Peace Brid

Lake Erie, and into the Niagara River, under the Peace Brid International Railway Bridge. Because of weather condition the Black Rock Lock (a pity!). And as everybody made shor lunches provided on board, we could look to the Canadian. Hill at Fort Erie, the site of a War of 1812 hospital and cen archaeological excavation there. On the grounds outside, to Jet, a Fury Jet, an armored personnel carrier, an M-41 tank, Moored in the water were the guided missile cruiser USS LUSS THE SULLIVANS, and the submarine USS CROAKER truly an unforgetable and sobering, even a chilling, experied men who sailed and fought in them during combat had to first time we had ever boarded such vessels, and if we thou the cruiser or destroyer, a tour of the submarine made the

past 50 years. It also featured an engrossing display from a

The story of the USS THE SULLIVANS, launched in April 1
The ship was named after the five Sullivan brown the USS JUNEAU. While fighting off Guadalcanal, all finite other sailors, when the ship was sunk by a Japanese subma

Our drive back took us along the American side of the Niag Falls and across the Rainbow Bridge. Along this route we we land side some of the industrial heritage along the waterfro and Niagara Falls, as we passed 19th century plants, some s boarded up or abandoned, as well as some of the adjoining class houses, churches, stores, shops, restaurants and drink providing a varied streetscape, with an eye-catching archite

class houses, churches, stores, shops, restaurants and drink providing a varied streetscape, with an eye-catching archite railway lines, crossings and bridges, not to mention hydro to the second and entered Niagara Falls, the giants of loomed up on all sides, having located here, close to "the second and entered Niagara Falls, the giants of loomed up on all sides, having located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here, close to "the second and entered Niagara Falls, the giants of located here."

Ioomed up on all sides, having located here, close to "the se of the abundant and cheap electricity available nearby from power generating plants located at the Falls. The drive three eerie feeling with some, as we realized the destructive capathe environment. Yet almost every product that we use every

through these electrical and chemical industries!

Again, we were able to see Canada from another perspective

Niagara River to the Canadian shore. This route along the F main traffic route between Buffalo and Niagara Falls for bo the sharp-eved on board were able to spot some of the early Canal — H.G.J. Aitken's <u>The WellandCanal Company: A Sepublished by Harvard University Press in 1954.</u> Permission the author and Harvard U.P. for this venture, which will be publisher. Plans call for a photo-duplicated paper-covered preface and some corrections and additional sources. Expe

'94, 29 November, price \$19.95. A MUST for all Welland Ca

The Executive of the CCS is working on plans to re-issue a

CCS U.K. Tour '96

As you know, the C.C.S. tour is being planned to coincide v

anniversary celebrations of Britian's Inland Waterways Ass the International Waterways organization will be held in Br celebrations. The tentative date for that meeting is 22-23 Jun

Britain's IWA, Irish waterways, as many of the American carepresentatives from France, Germany and perhaps Austrathe 22nd will include the presentation of a number of paper as social activities to enable members from the various ground field trip will be organized for the 23rd.

We now have about 25 CCS members signed up for the tou Only members in good standing are eligible, and a \$50 per place. A further installment of \$370 per person is now due.

A questionnaire, suggesting methods of transport, "ports of etc., with suggested price ranges (members must remember based on <u>current</u> prices, and may change by '96!) is being primake all arrangements for the two-week tour only, but will

suggestions for an optional third week's activities.

Sign up now, and start saving for our biggest-yet field trip!

CCS UK '96

c/o Mrs. Carol Gaspari, Treasurer

74 Prince Charles Drive

From the same company which produced the map of Euro (Euromapping, based in Grenoble, France), an equally imp map of Ireland's waterways. Publication coincided with t Shannon Erne Waterway (previously the Ballinamore-Bally Re-opening of two-thirds of the length of the Royal Canal

Re-opening of two-thirds of the length of the Royal Canal take place shortly, giving a total of more than 1000 km. of takes. The Irish canals were developed in the 18th and 19th communitities, transporting passengers and all manner of materials. Copies may be ordered (supply is limited!) from Apt. 701, St. Catharines, Ont., L2R 5K6.

Notes from Here and The

St. Catharines, Ont.: Once again the concept of a Welland member John N. Jackson has, as one would expect, been a compiling a detailed report, complete with excellent maps, various individuals and bodies. Several stories in *The Start*

this long overdue effort to achieve a comprehensive parkw

facilities at selected points, including canal viewing stands commercial developments would help to generate revenue endeavour all success!

Albany, NY: "Boaters oppose N.Y. canal fees" - "Recreation

proposals to fund development along the Erie and Champi using the waterways' locks. The fees are exhorbitant, said anti-fee group." A spokesman for the New York State Thru the canals, said that the amount of the fees would depend

the canals, said that the amount of the fees would depend each lock for a 6-metre boat or \$80 for a 7-month seasonal planned for April. The fees would be used to maintain and construct facilities - ranging from lengthening cycle paths a industrial park. [abridge from *The Standard* 4 April 1994.]

Kennet & Avon Canal Walk: The 117-km K & A, which of the Thames at Reading with the Avon at Bath, was re-open year restoration. The walk along its banks has been design

[This tribute to a long-time CCS member was written by Da Ottawa Citizen, 20 April 1994. We have reproduced it here members who were unaware of his passing. Robert will be in contact with him - who among us has not benefited fro his humour, or has not admired his incredible energy, strid banks, or gliding along quiet canal waters, on our CCS field The man who gave Canadians the National Building public buildings safer, died in Ottawa of a stroke Sunday. Legget was director of the National Research Council Research from 1947 until his retirement in 1969. He was a c university professor and author of 16 books. Legget's most popular book was Rideau Waterway, a of the Rideau Canal. A new book about the Mackenzie Val Canadians see Legget's work whenever they enter a travel on the Toronto subway, hear a smoke alarm or see a on a construction site. After the Second World War, Legget predicted a buil buildings need to be safer, said George Seaden, director of t in Construction. "For the building code to be current, he said it had to the best science one could imagine," Seaden said. "Mr. Legs what has become part of the Canadian construction system. Carl Crawford, a colleague from 1949 until 1969, said became the model for all provincial construction codes. "Canada is the only country of its size that has one m Americans have four codes depending on the region," Craw Born in Liverpool, England of Scottish parents, Leggi a hydro project in Northern Ontario in 1929. Legget taught at Queen's University, and in 1937 he Canal. But the war intervened. In the summer of 1940, he v Territories to work on a wartime-transportation project on t Legget completed a book about the river.

In 1947, the federal government hired Legget to estab

Legget's son David said his father and other NRC res

some houses that were to disappear because of the construc-

Building Research.

Centennial Conference in Montreal, May 1989. The authors and E. Dumalo, have gradiously agreed to the use of parts of The Seaway (cont'd)

Canadian Inland Navigation System," presented to the Can

Special precautions had to be taken when pouring concrete The shale there tended to dessicate readily upon exposure t not pour right after blasting, then the shale surface had to b The drilling and blasting operations went smoothly except

Bridge piers where great caution was exercised, and also w Beauharnois. At Beauharnois, it was not the proximity of st rather the rock itself, the sandstone there being very abrasiv sharpened sometimes only after 10 feet (3.1 m) of penetration tear of shovel teeth and dozer blades. The abrasive nature of num erous fault zones reduced drill outputs to but several until an oxygen lance was used that production got back up

feet (38.1 m) per shift — but it was expensive. The excavation flight locks had been built, but a flight configuration was at reasons. Unless twinned, single flight locks are operational locks.

Not one of the four bridges in the Montreal area could mee for ship masts. This was to be achieved by various means, t used for the Jacques Cartier Bridge. The southern part of th (24.4 m) to satisfy clearance requirement. In all 14 spans, ov affected. The spans were jacked in three stages, the final sta

through-truss span displaced the existing deck span. The st

translating the two spans was 4 ft. (1.2 m). The distance of 7 operation was done in 4 foot increments, and the most dran seemed to some persons, to be the jettison of the links used maintained on the bridge except for the five hours it took to translation took place in the early hours of a Sunday mornir

The Victoria Bridge was another story, being a combined ro for grades left the raising of spans out the question. Instead

constructed so as not to digrupt any traffic. Two massive ve

system and a tribute to its builders and operators.

Looking Ahead

Water transport is the least costly and most efficient means and has a minimal effect on the environment. It is expected true and that demand will continue to grow with the econd

The size of the Seaway locks was in effect set when the Wel before the "Great War". The forward thinking of that time I present system handing 26,000 tonnes (cargo) vessels has st to come.

However, some time in the early years of the next century to fifth generation of locks and canals and therefore, a real charto engineers, marine architects, mariners and the shipping is

size and configuration of locks and ships. So with pride in confidence in the future, we can look forward to an even gr system in the twenty-first century.

[Editor's Note: As is well known, the authors' optimistic principles.]

[Editor's Note: As is well known, the authors' optimistic protraffic has declined to the point where the future at least the doubt. One can only hope that the economy will soon take future of the Welland, and of the Seaway as a whole, can be

References

Gilmore, James. 1983. The St. Lawrence River Canals vesse

Rhéume, Cordelia E. 1907. <u>Waterways of Canad</u>a. Lafrenière, Normand. 1984. <u>The Ottawa River Canal System</u>

Legget, Robert F. 1976. Canals of Canada.

Ottawa.

Osborno Brian S and Surainson Donald 1996. The Second Co.

Ministère des Transports. 1953. <u>Les Canaux du Canada</u> C Langbein, Walter B. 1977. "Our Grand Erie Canal," <u>Civil F</u>

1977.

MacNish, Charles F. & Lawhead, Harley F. 1968. <u>History of the History of </u>

MacNish, Charles F. & Lawhead, Harley F. 1968. <u>History of Great Lakes and Present Problems</u>. Great Lakes Water Reservointo.

Montreal Gazette. 1985. "Montreal Then and Now," March

CCS Fall'94 Expedition to Pete

As of today's deaning out of our postal box, 32 CCS member September 17-18 Great Peterborough Expedition. This is enough in ancially viable, but there is still room for more on the bufacilities and cruises. Although the Holiday Inn will be released frooms in early September, they will still honour the publishe extent that capacity exists.

leaving their cars) at the Holiday Inn, for the bus tour to Yo to Mount Julian cruise, and brunch at Viamede. To re-unite homecoming bus from Viamede will detour via the Holiday this portion of the trip. A few more short-trippers can be accapacity exists in our 44-seat bus beyond the seating needs me to confirm capacity and send your cheque and fuschia for the seating needs.

Three members will join us for the Sunday portion only, me

In answer to questions, the returning bus <u>WILL</u> stop to disc York Mills TTC station. Pardon the omission in the original of the "R" in our Postal Code — this should read L2R 7P7.

Will look forward to seeing you on September 17th.

Norman Macdonald

Past President: President: Vice-President: Secretary: Treasurer:	Sheila Wilson Norman Macdonald Sherman Zavitz Robert Voaden Carol Gaspari	
	Send all correspondence for Robert Voaden, Sec Canadian Canal So P.O. Box 24102, 80 King St. St. Catharines, Onto L2R 7P7 Contributions for Canals of Roberta Styran, Edit 35 Towering Height St. Catharines, Onto L2T 3G8	ere cie ar
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