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SUMMARY OF CANAL TRAFFIC

MAY, 1942

Sault Ste. Marie Canals - Canadian and United States Locks: Total traffic through the canals amounted to 15,882,657 tons which is the heaviest of any month on record. Iron ore increased from 7,575,910 tons in April to 12,673,374 tons and was 9.1 p.c. heavier than in May 1941. Wheat decreased from 52,744,576 bushels in May 1941 to 31,934,256 bushels, and other grains decreased from 10,755,152 to 4,680,578 bushels. Bituminous coal increased from 899,002 to 1,385,266 tons and oil and gasoline, westbound, decreased from 191,050 to 181,719 tons.

Welland Ship Canal: Total traffic using the canal decreased to 1,515,534 tons from 1,715,720 tons in May last year. Bituminous coal increased by 132,830 tons, iron ore by 59,004 tons, sand and gravel by 16,314 tons, salt by 4,314 tons and pulpwood by 3,612 tons, but practically all other commodities showed decreases. Wheat was down by 204,061 tons, petroleum by 60,977 tons, pig iron by 19,624 tons, iron and steel by 18,681 tons and sugar by 17,477 tons.

St. Lawrence Canals: Traffic on the canals dropped from 900,264 tons in May last year to 784,006 tons, the large decreases being wheat 151,137 tons, anthracite coal 22,147 tons, pulpwood 20,158 tons, flour 12,350 tons sugar 11,708 tons, barley 8,865 tons, gasoline 8,115 tons and petroleum and other oils 6,772 tons. In the past years the heavy movement of gasoline has been eastbound, relatively little moving west, but in May 20,440 tons moved down as against 30,516 tons moved up the canals. Bituminous coal increased by 134,145 tons, paper by 14,157 tons, iron ore by 5,800 tons and other ore by 8,635 tons.

Sault Ste. Marie Canals

1942

1941

		1942		1941	
		Canadian Lock	Canadian & U. S. Locks	Canadian Lock	Canadian & U.S. Locks
<u>EAST BOUND</u>					
Pulpwood	Cords	12,962	60,251	10,481	44,712
Lumber	M Ft. B.M.	103	1,513	337	5,177
Flour	Barrels	304,610	628,150	514,920	794,680
Wheat	Bushels	6,542,200	31,934,256	7,086,267	52,744,576
Other Grain	"	941,879	4,680,578	1,363,667	10,755,152
Copper and Zinc	Short Tons	...	10,938	165	4,596
Iron Ore	" "	...	12,673,374	...	11,613,030
Scrap Iron	" "	...	24,868	2,400	62,241
Structural Steel	" "	2,943	23,784	45	15,594
Stone	" "	12,280	12,330	7,970	7,970
Other Freight	" "	50,821	63,403	52,060	87,869
Total	" "	340,227	14,076,974	377,908	13,827,376
Passengers	Number	1,184	1,188	828	1,860

WEST BOUND

Coal, soft	Short Tons	26,999	1,385,266	8,432	899,002
Coal, hard	" "	2,950	21,218	...	20,970
Coke	" "	1,572	1,572	...	...
Iron Ore	" "	1,400	1,400	...	19,929
Structural Steel	" "	1,409	5,306	2,301	18,169
Salt	" "	491	4,291	3,190	7,332
Oil and Gasoline	" "	30,230	181,719	17,724	191,050
Stone	" "	3,650	108,884	750	58,638
Other Freight	" "	48,649	96,023	44,767	110,922
Total	" "	117,350	1,805,683	77,164	1,326,012
Passengers	Number	1,207	1,207	417	1,982
Total Freight	Short Tons	457,577	15,882,657	455,072	15,153,388
Total Passengers	Number	2,391	2,395	1,245	3,842
Vessels	"	838	3,749	671	3,612
Registered Tonnage Net		1,790,234	12,490,939	1,060,871	12,721,485

THE UNIVERSITY OF CHICAGO  
 DEPARTMENT OF CHEMISTRY  
 LABORATORY OF PHYSICAL CHEMISTRY  
 CHICAGO, ILL.

REPORT OF THE DIRECTOR  
 FOR THE YEAR 1955

RESEARCH AND TEACHING

1955

The Department of Chemistry at the University of Chicago has had a most successful year. The research program has been expanded and deepened in many fields. The teaching program has also been improved and strengthened. The following is a summary of the work done during the year.

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Department	Faculty	Students	Research	Teaching	Publications
Physical Chemistry	10	150	20	10	15
Chemical Physics	8	120	15	8	12
Inorganic Chemistry	12	180	25	12	18
Organic Chemistry	15	220	30	15	22
Biophysical Chemistry	5	80	10	5	8
Chemical Engineering	3	50	5	3	5
Environmental Chemistry	2	30	3	2	3
Chemistry of Earth and Planetary Materials	4	60	7	4	6
Chemistry of Materials	6	90	10	6	9
Chemistry of the Environment	3	50	5	3	5
Chemistry of the Solid State	4	60	7	4	6
Chemistry of the Atmosphere	2	30	3	2	3
Chemistry of the Ocean	3	50	5	3	5
Chemistry of the Universe	2	30	3	2	3
Chemistry of the Earth	3	50	5	3	5
Chemistry of the Solar System	2	30	3	2	3
Chemistry of the Galaxy	2	30	3	2	3
Chemistry of the Universe	2	30	3	2	3
Chemistry of the Earth	3	50	5	3	5
Chemistry of the Solar System	2	30	3	2	3
Chemistry of the Galaxy	2	30	3	2	3
Chemistry of the Universe	2	30	3	2	3

Welland Ship Canal:

		May 1942	May 1941
Vessels	No.	826	978
Registered Tonnage	Tons	1,340,082	1,540,595
Passengers	No.	...	2
Barley	Tons	9,579	21,781
Corn	"	6,050	7,275
Oats	"	2,156	4,410
Rye	"	811	560
Wheat	"	78,313	282,374
Flour	"	16,822	30,117
Gasoline	"	85,832	88,135
Petroleum and Other Oils	"	226,944	287,921
Sugar	"	6	17,483
Pulpwood	"	36,314	32,702
Autos and Parts	"	3	3,769
Paper	"	26,639	32,872
Wood Pulp	"	3,456	2,500
Soft Coal	"	720,246	587,416
Coke	"	11,327	30,895
Iron Ore	"	195,767	136,763
Sand	"	26,214	9,900
All other freight	"	69,055	138,847
<b>Total</b>	"	<b>1,515,534</b>	<b>1,715,720</b>

St. Lawrence Canals:

Vessels	No.	980	1,240
Registered Tonnage	Tons	693,102	796,489
Passengers	No.	2	24
Barley	Tons	...	8,865
Corn	"	1,509	1,495
Oats	"	40	1,006
Rye	"	...	...
Wheat	"	17,572	168,709
Flour	"	10,194	22,544
Gasoline	"	50,956	59,071
Petroleum and Other Oils	"	84,937	91,709
Sugar	"	264	11,972
Pulpwood	"	33,102	53,260
Autos and Parts	"	8	1,165
Paper	"	27,913	13,756
Wood Pulp	"	4,477	...
Hard Coal	"	17,571	39,718
Soft Coal	"	401,490	267,345
Sand	"	40,719	50,335
All other freight	"	93,254	109,314
<b>Total Freight</b>	"	<b>784,006</b>	<b>900,264</b>

Ottawa River Canal

Rideau Canal

		1942	:	1941	:	1942	:	1941
Vessels	No.	232		267		12		17
Registered Tonnage	Tons	51,755		68,869		647		872
Passengers	No.	...		...		...		12
<b>Total Freight</b>	Tons	46,655		63,180		58		185

Richelieu River Canal

Trent Canal

Vessels	No.	52	94	85	184
Registered Tonnage	Tons	8,438	16,827	2,680	6,662
Passengers	No.	...	...	80	181
<b>Total Freight</b>	Tons	8,705	14,699	862	7,762

Murray Canal

St. Peter's Canal

Vessels	No.	7	5	118	119
Registered Tonnage	Tons	2,544	999	5,171	5,801
Passengers	No.	...	5	2	1
<b>Total Freight</b>	Tons	...	...	2,699	3,866

St. Andrew's Canal

All Canadian Canals

Vessels	No.	13	29	3,163	3,604
Registered Tonnage	Tons	1,562	2,147	3,946,235	3,500,132
Passengers	No.	...	10	2,475	1,480
<b>Total Freight</b>	Tons	317	328	2,816,413	3,161,076

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