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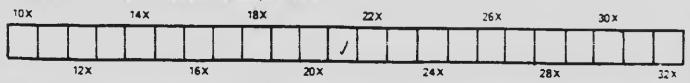
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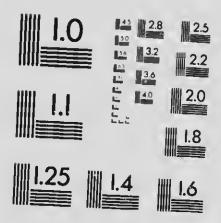
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Notes-by-the-Way





Montreal Ottawa
Toronto Winnipeg

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NOTES BY THE WAY

Montreal to Winnipeg

via

Ottawa River Valley-Ottawa-Toronto — Muskoka — Capreol— Lake Superior — Port Arthur— Fort William



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NOTES BY THE WAY

UNES MONTREAL TO WINNIPEG

CANADIAN NATIONAL RAILWAYS

Min Ican Montreal

THE CITY OF MONTREAL

Montreal (Tunnel Terminal) Rail Level Alt. 69 As the metro polis of the Darminion of Canarla.

with many important industrial, commercial, financial and transportation interests contributing to its greatness, Montreol is a city meriting the attention and interest of the traveller. Its location will be found to be unique and most attractive. Before it roll majestically towards be set the broad waters of the lordly St. Lawience. Behind it rise the beantiful, verdure-clad heights of Moint Royal, whence the city derives its name. Around it is stretched a charming country-side, rich in splendid watercourses, picturesque driveways, lovely parks, and shrubberies and pleasant gardens and orchards.

Historic interest, with its glamor of by gone romance, adds greatly to the attractiveness of the city. Dating back to the earliest days of exploration and conquest, few places on the North American continent can produce such a record as is antimed in its archives. Originally French, and still populated to tent of 75 per cent, by people of French origin, it possesses much of the gay and lightsome charm of the race, while its older sections are rich in the relics and lore of the famous old French regime. It is indeed a storehouse of interest for all who are attracted by the lire of the olden times.

Montreal, however, is also a very modern city. With a rapidly growing population of 775,000, it is a hive of business and industry. Manufacturing of every description is extensively carried on. Its warehouses and elevators—filled with the products of domestic and foreign enterprise. The igh its splendid do ks and freight terminals passes the commerce of half a continent. It is a great railroad centre, a point where open-borne commerce is transhipped for distribution throughout Canada, and where Canadian products are loaded on shipboard for transmission overseas. Powerful financial institutions line its down town thoroughfares, while its shopping district is in keeping with the size and importance of its population. Famous cathedrals and churches, notable educational institutions, commodious hotels, modern places of anusement, all contribute to rende. Montreal an attractive place of residence or temporary sojourn.

In leaving the city, the traveller encounters at core one of the modern marvels of engineering skill, —the famous Mount Royal Tunnel. To understand its place in the city's organism, one must appreciate something of the handicaps imposed by Montreal's location. With the growth of the city, the space originally occupied

Min from Montreal

between the St. Lawrence River and Mount Royal has become greatly congested. Long established rights and interests have occupied the natural but himited entrances to left and right, so that development has been restricted in these directions. On the other hand, to the rear of Mount Royal, a great plateau hke area of land lay available, though access to it by ordinary means was imperfect. To provide for a terminal ii, the heart of the city, and at the same time to bring this desirable area within a few inmitted run of the business centre, was the dual motive which induced the Canadian Northern Railway Company (now amalgamated with the Canadian National Railways) to tunnel Mount Royal.

The portal of Mount Royal Tunnel lies within a few yards of the passenger terminal, which is located between Catheart and Laga ochetiere, St. Monique and Mansfield Streets, just two blocks from the Windsor and Bonaventure Stations. The Tunnel itself, which was completed in September, 1918, consists of twin tubes of reinforced concrete construction, which rise by an easy grade of 31 6 feet to the mile in the outer or western portal at Mount Royal. From the summit of the mountain to the tubes the depth is about 600 feet, while the length of the Tunnel is 3.25 miles. Trains are habled through by 2400 volt electric locomotives, equipped with "Pantograph" contact, and capable of habling the heaviest passenger transcontinentals at a speed varying from 30 to 50 miles an hour.



The Mount Royal Tunnel Route

Mis trom

On energing from the Fannel, the 3-4 Portal Helghts Alt 1973 0 railway passes through the new 3-9 Muttit Royal " 163-0 "Model City" of Mount Royal, which is destined for rapid growth

as its easy accessibility and fine location become better known. The site consists of an area about 1% imles in width and 2 miles in length, without hill or gully, and slop of gently towards the share of the Back River. Passing out of the cutting which feels to the Tunnel entrance, and which runs through the centre of Model City, the line som reaches and skirts the banks of the Back River, or more properly Riviere des Potities, and enters Cartierville.

Cartiervill marks the end of the "Tunnel

7 3 Lazard Alt. 110 0 Section" and in its divisional yard the

7 8 Cartierville " 107 0 change from electric to steam traction
is effected. Under the old name of

Bord a Plouffe, it has been iromortalized in more than one of Drummond's habitant poems

Skitting Back River to about
12.4 Roxburo Ac. 90.0 mileage 14, the westbound line
15.6 Ste. Dorothee " 90.0 crosses it to the Isle Jesus, near
16.6 Islesmere " 91.0 the village of Ste. Dorothee, and
17.0 St. Eastache Jet. " 94.0 three miles farther on, at St.

Enstache, crosses the Riviere des Isles to the mainland. Both the Back River and the Riviere des Isles, it might be explained, are aims of the Ottawa River, which discharges into the St. Lawrence though four different mouths, forming a number of islands of whice of lontreal and Jesus are two. St. Eustache is a typical French, anadian town of the better



Old Mill, St. Andrews

class, and the centre of a fine agricultural country. Through it runs the pretty little Riviere du Chene, which affords power for two or three mills. Here was the scene of a bitter fight during the "Papineau War" in the Rebellion of 1837.

31 8 35 2	St. Joseph du Lac St. Benoît St. Placide St. Hermas St. Andrews East	Alt.	149.0 170.0	du Chene and the Rouge River, banked by the wooded slopes of "Two Mountains," past the villages of St. Joseph and St.
	10. **			Benoit, on through St. Placida

and St. Hermas to St. Andrews. St. Andrews. a thriving commercial town of English origin, is prettily located on the banks of the Riviere du Nord, and lays some claim to being a summer resort, for the river is navigable for small craft from its confluence with the Ottawa four miles helow

53.5 Grenville, Que. 158 0 the railway passes through Carillo a small village situated at the her	48.1 53.5	Cushing A Grenville, Que.	AIL 102 U	Skirting the river from St. Andre the railway passes through Carill a small village situated at the he of the Lake of the Town Manual
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runs past Cushing, and finally reaches Grenville, the last station on the Quebec side of the Ottawa River, and the junction point for the "short" line running east to Joliette and Eastern Quebec. Between Carillon and Grenville lie a series of rapids which are now overcome by a succession of locks. In the early days, however, these obstructions to navigation led to the construction of one of Canada's first railways, the Carillon and Grenville Railway, which for many years carried quite a heavy traffic hetween the steamers plying on the lower and the upper reaches of the Ottawa. Eventually the rails of the longer lines absorbed its business: later the Canadian Northern Railway secured the property, and some five miles of the grading is now used by the new Company. Some of the old iron rails of forty and fifty years ago are still to be seen, and when sold have brought a higher price as scrap than comparatively new steel. In the fall of 1918 there was sold perhaps the oldest of Canadian locomotives, built in England about 1853, and still in running order up to a year or two ago.

East of Grenville some pretty glimpses of the broad bosom of the Ottawa and of the old village of Cliute a Blondeau on the opposite shore are to be had, and then the railway is carried across the river on a fine steel bridge, nearly half a mile in length, to Hawkesbury in the Province of Ontario.

54.8 59.1 64.1 68.3 74.9 78.1 81.0 86.6	Hawkesbury L'Orignal Evanturel Alfred Centre Treadwell Jessop Wengover Clarence	"	160.0 165.0 162.0 171.0 169.0 173.0 175.0	Hawkesbury is a growing town of some 5,000 population, part English and part French. It is the head-quarters of the Hawkesbury Lumber Company and the Riordon Pulp and Paper Company, two large industrial corporations. From here the line runs through the quaint old town of L'Orignal, while across the Ottawa the rugged Laurentian Hills slope.
	holdler dans	. 1	1 /	the sugged Laurentian Hills slope

boldly down to the edge of the river. The scenery is pleasing and

Station.

restful, the broad waters of the Ottawa flowing past in the foreground and beyond, the broken and wooded hills, bathed in the beautiful blue haze for which the Laurentians are noted.

The route is replete with historic interest, for, from the days of Champlain right down to modern times, the Ottawa was the main artery of communication between the sea and the vast interior of the continent. On its bosom have been carried the canoes of many notable explorers and voyageurs of by-gone days, Champlain, Roberval. Joliette, La Salle, Duluth, Radisson, Marquette, Brebeuf, Lalament, Verendrye, and scores of others. And so the railway stretches on through rich alluvial flats that border the river, past Treadwell. Jessop's Falls, Wendover and Clarence, into Rockland.

- Rockland is a busy and picturesque lumbering town of 3,500 population, 90.4 Rockland 147 0 Alt. 97 0 Cumberland 0.191created by the enterprise of Senator 102 8 Orleans 205 0 W. C. Edwards, who operates a large sawmill on the river. Beyond, the line passes Cumberland, another pretty river-side village, and Orleans, noted for its charming suburban homes; then, ten miles farther on, the Rideau River is crossed, and Ottawa is reached at Central
- Apart entirely from its interest as the capital of the Dominion of Canada, Ottawa is a very beautiful and attractive city. Its central section. sur-



Parliament Buildings, Ottawa. Destroyed by fire, Feb'y 1916. New Buildings now nearing completion are nearly identical in design.

Leaving Ottawa (Central Station),

Mls. from Montreal

mounted by the fine Gothic pile of the new Parliament Buildings. stands on a hill overlooking the river. The Government has done much for its beautification in the way of building driveways, laying out parks, and otherwise cultivating its natural charms. It is blessed with fine hotels, attractive shops, up-to-date theatres, museums, libraries, and various government institutions, which render it a source of pleasure and delight to every visitor. Especially during the season when Parliament is in session, and the city is thronged with people from all parts of the Dominion, is Ottawa a place of unusual attraction. In addition to its legislative and kindred interests, the city lays claim to being an important manufacturing centre, and its lumber and paper products are famous throughout the country. In Chaudiere Falls it possesses abundant power, the Ottawa River having a greater volume in the spring of the year than the Niagara. The city's population is now in the neighborhood of 125,000.

Ridean Junction Alt. 289.0 a short run is made to Rideau Jct.

This is an important divisional point, where the line to Toronto branches off. The Rideau River close by was made navigable, through its chain of lakes and series of short canals, to Kingston on Lake Ontario over a hundred years ago. Built before the days of the steam railway, the Rideau Canal, as it is called, was originally intended as a military highway, suggested by the difficulty of getting supplies and troops from Montreal to the Great Lakes during the War of 1812 as being a route well beyond the United States boundary. The canal has never been of real commercial value, since the subsequent construction of the St. Lawrence Canals and the Grand Trunk Railway diverted what little traffic it did handle. However, it has always been maintained in navigable condition, and its historic interest, the massive con-

struction of its numerous locks, which even yet show little sign of wear, and the scenic beauties along its route, combine to give it a special interest of its own. The Rideau country is, indeed, a paradise for the summer tourist and the cottager.

THE OTTAWA-TORONTO LINE

From Rideau Junction, the line con-120.9Rideau Jct. Alt. 289.0 tinues in a south-westerly course while 309.0 the main line swings more to the Northward. Near Fallowfield the Jock 127.4 Fallowfield 133.3 312.0 Richmond 377.0 River, one of the principal tributaries 141.4 Dwyer's Hill 155.9 Smith's Falls of the Rideau, is crossed. Richmond 406.0is one of the earliest settlements in the

Ottawa Valley, and an agricultural town of some importance. Gradually ascending from here the line enters the Limestone country, and surmounting a low flat-topped ridge, reaches the important

town of Smith's Falls.

Originally owing its existence to a waterfal on which a small mill was erected, the site became necessary to the Rideau Canal system of navigation and here locks were built. Smith's Falls is now an important railway and manufacturing centre and one of Ontario's seats of the agricultural implement industry.

- The Canadian National's Ottawa-Toronto
 Line has greatly bettered the facilities for reaching the heart of the district and the Rideau Lakes with all their possibilities for sailing and hoating, will in the near future perform a more important part in the recreation grounds of North America.
- Portland is in itself quite popular and is a distributing centre for other resorts on the Lakes.
- The Brockville and Westport Railway, now part of the Canadian National Railways' System crosses the main line at Forfar. This branch gives access to Brockville, a most beautifully situated town on the banks of the St. Lawrence, just where the river leaves the Lake of the Thousand Islands. In the other direction is the pretty little town of Westport, on the Upper Rideau Lake, and the village of Newboro on the summit level of the Canal.
- About here the Trenton limestone is replaced by the Laurentian rocks, and the fine elms by the pines, and there are passing glimpses of the Locks is a veritable beauty spot—to the left is the Opinicon Lake, and to the right Mud Lake, both dotted with wooded islands. Connecting them is a winding river with a lock, and over all wave



The Rideau Lakes

the sombre pines. Then follows a ten mile ride through a wilderness of rocks and swamps and pretty lakes to Perth Road on the main highway to the town of Perth from the old City of Kingston. A deposit of mica has been worked for some years in this neighborhood and the mill can be seen close to the track.

A few more miles of the Laurentian country and the limestone is again in evidence, and after skirting the shores of a beautiful lake, the pretty town of Sydenham is reached.

			Climbing a limestone escarpment
205.8	Harrowsmith	Alt. 491,0	3 miles further west, there is another
212.1	Yarker		beautiful view of the lake and its
216.0	Camden East	" 412.0	outlet stream. At Harrowsmith the
218.6	Newburg	" 352.0	Kingston and Pembroke Railway, a
225,2	Napanee	" 324.0	branch of the C.P.R., is crossed, and
231.5	Deseronto	" 262.0	seven miles further on, at Yarker on
240.8	Shannonville	" 252.0	the Napanee River, is the Bay of
249, I	Belleville		
260,5	Trenton	" 263.0	Canadian National Railways. The
			valley of the Napanee River is now

followed past the villages of Camden and Newburg to the old town of Napanee. Seven miles further is Deseronto, a manufacturing town of some importance, on the Bay of Quinte. The shores of this beautiful bay are skirted for many miles, and after passing Shannonville and the great Lehigh cement plant on its shores, the city of Belleville, at the mouth of the Miora River, is reached. Belleville is an important distributing point not only for its own county, but for much of the adjoining one of Prince Edward. Belleville has a population of over 10,000, with many handsome buildings and an excellent hostelry. Trenton is another important point at the mouth of the Trent River and the head of the Trent Valley Navigation connecting Lake Ontario with Georgian Bay on Lake Huron. Incidentally much waterpower has been placed under control and promises to make of Trenton a town of considerable manufacturing importance. The Canadian National brings in the produce of the country for 100 miles north, and also from Prince Edward County to the south. The navigation of Lake Ontario passes its threshold and the Trent Canal connects it with Peterboro and the country to the west. The population is four thousand.

				Leaving now the bay of Quinte, the line
269, 9	Brighton	Alt,	319,0	ascends to a somewhat higher level, and
278.4	Colborne	- 11	334.0	passes through the towns of Brighton and
285.0	Grafton	- 11	294.0	Colborne, and the village of Graiton. This
292.7	Cobourg	**	314.0	is the apple country of Ontario and more
299.0	Port Hope	**	355.0	especially of the "Northern Spy." At
308.5	Osaca	**	550.0	intervals there are glimpses of Lake
317.7	Orono	**	516.0	Ontario to the south. Cobourg is a town
331,9	Oshawa	** (473.0	of five thousand and the county seat of
335.8	Brooklin	** ,	483.0	Northumberland and Durham. It has
				become a noted summer recent and a

number of wealthy Americans have very beautiful homes here.

Two ferries ply daily between this point and Rochester, U.S.A. Six miles from Cobourg is Port Hope of about the same population. The railway now turns inland and climbing a long easy grade to an elevation of nearly 300 ft. above Lake Ontario. it traverses a remarkable strip of sand and gravel, marking the beach of the ancient lake named by Geologists "Iroquois Lake." Oshawa is passed at some little distance. It is a progressive town of 7.500, and has several important manufacturing plants.

Oshawa is the last of the Lake Ontario

towns and the line leaving the lake

beach takes an inland course through a

pleasant farming country to Scarboro where the descent into the beautiful

The remaining few miles to the Union

- 341.7 Greenburn Alt. 470.0 348.5 Cherrywood 472.0 371 2
 - Toronto 254.0

valley of the Don is made. Station lie through a busy factory district and along an equally busy waterfront.

Population, 500,000. A modern city Toronto, Ont. Alt. 254.0 in every respect Toronto, the Capital of the Province of Ontario, is the second city in Canada in point of population. In commercial enterprise, in stately architecture, and in admirable institutions. Toronto is surpassed by no city in the Dominion. Beautifully situated on the shores of Lake Ontario, with an excellent harbor, it has communication by water with all the ports of the Great Lakes and the St. Lawrence. Its commercial prosperity is fostered by the rich agricultural country by which it is surrounded, by several

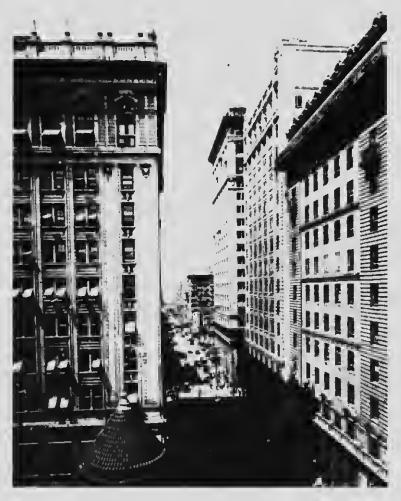


Winding up the Don Valley

railways and by the great highways so that the remoter settlements are made tributary to its growth.

Few cities of its size will compare with Toronto for the number and beauty of its churches. The University Buildings in Queen's Park are the noblest specimens of Norman architecture on the continent.

Toronto points with pride to its Exhibition, which, commencing forty years ago, as an ordinary Fall Fair, has reached immense proportions. The beautiful grounds of Exhibition Park have



Skyscrapers: Corner of King & Yonge Sts., Toronto

stately permanent huildings in which are displayed exhibits of endless variety from the four corners of the earth. With an annual attendance of one million people drawn from all parts of the continent its designation, the Canadian National Exhibition, is fully warranted.

Toronto has the head offices of the Canadian National Railways with its 14,000 miles of railways, traversing every province of the Dominion of Canada, and 56,000 miles of telegraph lines. In addition to the route described herein, the Canadian National Railways operate a through service to Winnipeg via the Grand Trunk Railway to North Bay, thence the Ontario Government Line Temiskaming and Northern Ontario Railway to Cochrane, where connection is made with the Transcontinental Line to Winnipeg.

				W
3.8	Rosedale	Alt.	262 . 0	CC
11.1	Duncan	41	465.0	V
21.4	Richmond Hill	• •	764 0	th
41.0	Mt. Albert	• •	784 0	ri
55,6	Pefferlaw	••	759 0	ex
64.3	Beaverton	4.0	751.0	vi
69.0	Gambridge	44	740 0	T
77.5	Udney	14	756.0	th
	•			+1

89.1 Alt. 723.0 Washago 93.9 Sparrow Lake " 712,0

Winding up and up to the open ountry through the picturesque Don alley, lying to the east of the city he route lies almost due north across ch farming land until the broad xpanse of Lake Simcoe swings into iew six miles south of Beaverton. his big lake lies at the threshold of ne lake country, and, while it lacks the wild and rugged aspect of the more northerly waterways, it has soft and pleasing charms of its own.

Beyond Lake Simcoe the Canadian National Railways' line continues its northerly course, spanning the upper end of Lake Couchiching and clinging

to the lovely shores of the Severn River and Sparrow Lake. The latter has of recent years developed into a most popular resort. Its shores reflect in miniature the heauties of its larger and more famous neighbors to the north, the Muskoka Lakes, while it possesses the added advantage of being near a farming district, whence fresh supplies of all kinds are readily obtainable. Its proximity to Toronto the distance can be covered in less than three hours renders its resorts particularly attractive to week-end visitors.

North of Sparrow Lake the land hecomes 112.1 Torrance Alt. 759.0 more rugged, until the traveller is in the Bala Park 776.0 real Muskoka country, with its rocks and 114 - 1trees, its hills and hollows, its many lakes and streams, each disclosing fresh beauties as the train winds in and out and round about. Bala Park is the first stop on the renowned Muskoka Lakes. Here steamers are in waiting to carry tourists to such destinations as they may have in mind on Lake Muskoka. Lakes Rosseau and Joseph are the heart and centre of this land of countless lakes and rivers and have long been the Mecca of travellers and summer visitors from all parts of United States and Canada.

125.3 Foote's Bay Alt. 824.0 130, 1 Lake Joseph " 800.0

The Canadian National Railways' Lake Shore Line has two stations on Lake Joseph which are reached shortly after passing Bala Park. The first of these is

Lake Joseph Station, which is the natural gateway to all the famous resorts on both Lake Joseph and Lake Rosseau. Passengers will here find the best connections for Hamil's Point, Port Sansfield, Woodington, Clevelands, the Royal Muskoka, Windermere, Port Cockburn, Stanley House, and all other points on the lakes.

- A mile beyond Lake Joseph Station, there is a second stop, at Gordon Bay, which is a convenience for cottagers in the vicinity. Then between Gordon Bay and Parry Sound, the next important point on the line, there are four wayside stations, each giving access to smaller lakes, which in their way are quite as attractive as the larger lakes just passed.
- Parry Sound Alt. 642.0 of the most important ports on the Georgian Bay, that wonderful arm of Lake Huron, the shores of which are studded with islands, large and small. Parry Sound itself is an important town, with large lumbering and shipping interests, but it also has powerful attractions for the summer tourist. It not only is a resort of no mean charm itself, but is the gateway to the numerous resorts scattered here and there throughout the 30,000 islands of the bay, reached for the most part by steamers sailing from its wharves. North of Parry Sound, the Canadian National Railways' line passes through a territory fairly ribhoned with waterways and offering all manner of allurements for the camper, the canoeist and the fisherman. It is a country of spruce-shadowed lakes and wild and lonely rivers, where game and fish are still plentify' From almost any station



On Lake St. Joseph

along the line access may be had to territory rich in all that contributes to the pleasure of the city man in search of sport and pastime. There are camping sites and stopping places at Shawanaga, Deer Lake, Bolger, the Maganetewan and the Still, Pickerel and French Rivers, all of which are noted for their black bass fishing.

- At the small settlement of Wauhamic the railway crosses the highroad to the village of McKellar. This is the last maintained highroad crossed for a hundred miles.
- Deer Lake Alt. 820.0

 Deer Lake Station is on Gooseneck Lake, which it is necessary to traverse to reach Deer Lake, one of the most attractive of
- 176.0 Bolger South Maganatawan Still River Alt. 779 0

 Alt. 779 0

 Still River Alt. 779 0

 Stream which connects Bolger

 Lake with Ka-She Lake, both flowing into the Maganatawan

which is the next stroping point. From this crossing to the north branch of the river is four and a half miles, through a thickly wooded country, and a favorite camping ground for the hunter. Five miles further north the gorge of the Still River is crossed on a span 106 feet above the water, and for some miles the surrounding country is very rough, but picturesque.

- From Key Junction a branch runs down to Key Harbour, a port on Georgian Bay, with large elevator mines.
- 215.8 Pickerel River Alt. 647 0
 217.0 French River
 236 0 Burwash
 Coniston

 Still proceeding north, the line crosses the Pickerel and French Rivers, in which there is excellent bass and lunge fishing, and then follows the Wahnshita River for some distance.

This is not a very turbulent stream. but it has one beautiful waterfall which can be seen from the train. Here power is being developed and transmitted to the town of Sudbury. At Quartz, silica is mined in large quantities and shipped to the smelter at Copper Cliff, where it is used as a flux. At Todd, in the township of Laura, the Ontario Government is establishing an experimental farm. Coniston is a town in the course of creation by the Mond Nickel Company, which is operating large mines in the vicinity. They have erected reduction works and have built a model town for their employees.

262 5 Sudbury Junction Air, 872.0 267.7 Sudbury "856.0

From Sudhury Junction a short hranch runs to Sudbury, the principal town of the district, with a population of 4,500, and

with a population of 4,500, and the centre of the nickel mining industry. It is a progressive place, and has made remarkable strides in the past few years.

Mle. from

- At Garson Junction a branch leads
 267.9 Gurson Junction Alt. 888.0 tn the Garson Mine, where active mining operations are being conducted.
- A successful agricultural community of 271.8 Hammer Alt. 968.0 French Canadians is here engaged in mixed farming.

OTTAWA-WINNIPEG ROUTE

			Striking west from Rideau
120 9	Rideau Innetion	Alt. 289 0	Junction, the lines of both
126.0	Bell's Corners	" 268.0	the Canadian Pacific and
132.4	South March	265.0	Grand Trunk Railways are
137. 2	Malwood	250.0	crossed overhead; then, running
138.9	Dunrobln	" 249.0	through a fine stretch of agri-
142.5	Woodlawn	258.0	cultural country, the Ottawa
148.4	Fltzrov	" 243,0	River is again approached and
155. 2	Pontlac	" 261,0	crossed just below Fitzroy.
159.9	Norway Bay	" 322.0	Skirting the river on the
162.8	Bristol	321.0	Quebec side, the thriving town
169. I	Clarendon	" 331.0	of Amprior is observed on the
174.1	Dufort, Que.	330.0	Ontario shore. A short distance
180.9	Forester's Falls, Ont.	. '' 398, 0	farther on Norway Bay, a
187.5	Beachburg	511.0	promising summer resort situ-
194.7	Finchley	" 429.0	ated on a fine strip of sandy
	*		beach, is passed. For the next

twenty miles, or as far as Portage du First, the route lies on the Quebec side of the river, but here a final crossing is made into Ontario.

Portage du Fort is a picturesque little town at the foot of a formidable series of rapids and falls with a combined drop of about 100 feet. In the old pioneer days a seven-mile portage led to Bryson at the beginning of the next navigable stretch above, —hence the name "Portage of the Strong," no weaklings being tolerated in the vicinity. In those days, navigation was by bark canoe, and commencing with the voyage of Champlain over three hundred years ago, a steady stream of these picturesque craft went back and forth, to and from, the far-flung trading posts of Lake Huron and Lake Superior. No wonder the history of the Ottawa River is replete with interest and romance, and that its course is marked every mile or two by names conferred by the French voyageurs.

After the voyageurs came the lumbermen, holding sway for three-quarters of a century, and adding much to the history and nomenclature of the river. Their great rafts of squared timber, a couple of acres in area, dotted over with little sleeping cabins, dominated by the central cooking caboose with its open fire, and manned hy a crew of from twenty-five to thirty giants in slouched hats, spiked boots and brilliant-hund neckwear, were almost as picturesque and unique as a brigade of great birch canoes sweeping up the river, with its fifty voyageurs straining at their paddles to the strains of "En Roulant ma Boule" or "La Claire Fontaine." However,

the romance of the river has gone to a large extent, though it may yet become one of the greatest river highways of the world should the projected Georgian Bay Canal be constructed. In the meantime the valley of the Upper Ottawa River abounds in natural wealth, not the least important part of which consists of such minerals is iron ore; marble of the purest white, blue and gray; phosphates, amestone, graphite, corundum, and mica. There is still much timber available, while the water powers are enormous.

Leaving Differt, the line traverses a fine agricultural country, passing through Beachburg, the centre of one of the best graingrowing districts in Ontario. Then crossing the C.P.R. again, it runs into Pembroke.

20. 6 Pembroke Alt, 447 0 fluence of the Muskrac and the Ottawa.

As the last place of importance in the

ascent of the river, and at the same time situated at the foot of a long stretch of navigable water. Pembroke was a busy spot during the days when lumbering was in its prime. To-day it possesses some new and growing industries which give promise of converting the town into an important industrial centre. On three sides excellent agricultural country is tributary to its markets; on the fourth, to the north-west, stretches the wilderness of Algonquin Park and the Laurentian Hills, into which the railway now plunges.

Leaving Pembroke by the valley 513.0of the Indian River, Algoriguin ?06 6 Hiam Alt. 211.6 498 0 Park is entered just west of Dahla. Affice 220.3 544 0 For the next 82 miles the line tra-Indlan 226 1 Dahlia 750.0 verses this famous game preserve 230.7 Kathmore 761.0and pleasure ground, set aside by .. 238 1 Achray 745 0 the Government of the Province • • 248 2 783 O of Ontario for the preservation of Brawny .. 255 8 848 0 the natural life, timber and water-Agnone 920.0 266 - 0courses of these highlands and for Radlant 274 8 1029 0 the delectation of the people. The Acan thus average elevation of the Park is over 278 7 Brent 1038 0 1070-0 282 6 Government Park one thousand feet above sea level, 1073 0 289 0 Daventry and the pine-scented atmosphere 296 5 F008 0 Ascalon is rare and exhilarating. A fine 301 I Coristine 1000 - 0description of this spacious playground is contained in the Cana-

than National Railways publication "Algonquin Park," copies of which are supplied on request. A nominal fee is charged for the fishing privileges, and no firearms are allowed, but otherwise the region is as free to the man of limited means as to the millionaire. Within the boundaries of the Park lie nearly a thousand beautiful lakes; most of these have been located on the Government maps, but there are numerous smaller ones that have not been indicated. They afford the widest scope for can leing expeditions and camping parties, and each year sees increasing numbers of holiday-makers taking their outings in this way and enjoying to the full the contact with unspoiled nature and the delights of the simple outdoor life in this charming lake-land. Many

Mie. from Montreal

rivers take their rise in the valleys'and among the rock formations of the Park, among them being the Muskoka, the Madawaska, the Petawawa, the Bonnechere, the Amable du Fond, the Magnetawan and the South River, all important streams emptying into Georgian Bay or the Ottawa River.

From the entrance to the Park near Indian, an imperceptible summit carries the railway over in the waters of the South Petawawa, at the head of which, hes Grand Lake. This fine sheet of water, well stocked with bass, is approached just west of Kathmore, and its shore is skirted for some eight miles. Leaving Grand Lake, another low pass carries the line over to the valley of the main Petawawa, which is followed for about twenty miles to Acanthus. From here the railway skirts Cedar Lake, the second largest and one of the most beautiful bodies of water in the Park, passing on the way, Brent, a divisional point for the Railway and Government Park, headquarters for the Park rangers.

The scenery on Cedar Lake is most attractive. The Upper Petawawa comes tumbling into the Lake over a couple of line cascades, and above the falls there is good brook trout lishing. On these vaters and those tributary to them, splendid canoe trips may be enjoyed, it being possible to paddle to the north and south extremities of the Park or to connect with the railway at numerous points to the east or west. Hotels and boarding houses are not yet available in these upper areas of the Park, so that outings here are camping propositions pure and simple, though occasional settlers are to be met with, and incidental accommodation may be obtained at Brent.



Algonquin Park

Mis. from Montreat 309 3

Algoriquin Park is left at Kilrush, and run Alt. 1143-0 Kilrusii 316 2 1017 0 ning down the long grade towards Lake Washig 321 4 890 0 Nipissing, some fine views of an entirely Ajderdaje new kind are to be had, differing both from 327 4 819.0 Astorville the rigged wilderness of the Petawawa 331 3 Caliander 749 0 Canyon and from the peaceful prospect

of Cedar Lake. The railway presently emerges on a sandy hill-side; stretched out below hes a great plain dotted with tiny farms and clearings. In the middle distance is the shining surface of Lake Wistwasing, and far away, twenty miles to the north, extends the valley of the Mattawa and the great escarpment of the Laurentian Hills, purpled by distance. The line finally reaches the shore of Lake Nipissing, a splendid body of water some 50 miles long by 10 miles broad, at Callander, an important distributing centre and shipping point for the humber interests of the district. It is located at the extreme east of the Lake on an arm called South Bay.

Nine miles heyond Callanifer, and 340 0 North Buy Alt. 687 0 at the north-eastern angle of Lake Nipissing, stand the thriving town of

North Bay, an important railway centre and a distriboting point for the great mining camps lying to the north. It is the southern terminus of the Temiskaming & Northern Ontario Railway, the Ontario Government's line to Cobalt, Porcopine and Cochrane; the northern terminus of the Northern Division of the Grand Trunk Railway, and a divisional point on the transcentinental line of the C.P.R. Thirty-five years ago it was little more than a small clearing on the edge of the Lake. Its wonderfol growth is an evidence of what transportation facilities can accomplish when coupled with the natural resources of a virgin country. With the extension of the T. & N.O. to Hudson's Bay and all that that implies; with the exploration and development work that is going on throughout the north country; with the possible construction of the Georgian Bay Canal, connecting the Great Lakes with the Ottawa Liver, North Bay seems destined to have a great future. It has at present a population of about 8,000.

The Canadian National Railways' line traverses the town by visdoct just north of the main thoroughfare, and the station, centrally located, is one of the principal landmarks. Leaving the town

				the railway parallels the C.P.R.,
346.1	Yeliek	Alt.	688 0	generally at a slightly higher eleva-
354 8	Meadowside	**	689 0	tion, for the next ten miles. Lake
360 4	Harfred	44	733 0	Nipissing is still in sight, and beaoti-
364 8	Smoky Falls	4.4	742 0	ful glimpses of it between hill and dale
370 7	Ashburton	**	756 0	and through pine groves are to be
372 4	Field	**	780 0	had as the train proceeds. Near
377.1	Desaululers	**	787 0	Meadowside, the track bends off to-
381 5	River Valley	* 1	774 0	wards the valley of the Sturgeon River.
386 2	Azen	**	761 0	the largest feeder of the lake, and,
393 0	Chudleigh	**	772 0	crossing it near Sandy Falls, at mile
395.7	Ess Creek	**	783 O	358, follows it closely for the next
400 8	Crear	**	836 0	thirty miles. At mile 379, the Tema-

- 413 2 Massey Bay Att. 1014 0 gami River is crossed near its outlet into the Sturgeon, this river draining the famous Temagami lakes lying to the northward. This is another wonderful lake region, and a veritable paradise for the camper, canoeist, and sportsman. After leaving the valley of the Sturgeon River, the next notable stream to be encountered is the Wahnapitae, which is crossed at mile 404. Soon after Lake Wahnapitae itself comes into sight, the railway skirting its southern shore. Thence, threading a number of lakes and rocky ridges, it emerges on the gravel flats of Capreol Junction.
- This is one of the most important divisional points on the system. Here two trunk lines, that from the east already traversed, and that from Toronto and the southern part of Old Ontario, converge, continuing westward as a single line.

				Beyond Capreol, the railway enters
9	Whistle	Alt.	1021 0	the valley of the Vermilion River,
7	Nandair	••	1033.0	which it follows for some forty miles.
7	Mllnet	••	1084 0	This is a glacial valley, remarkable
9	Sellwood Jct.	• • • • • • • • • • • • • • • • • • • •	1156 0	for its low elevation, continuity, and
1	Anstlce		1187.0	directness. It cuts almost at right
8	Raphoe		1244 0	angles to the general direction of the
8	Laforest	••	1278.0	ordinary ridges and valleys of the
9	Thor Lake	14	1336 0	country, thus affording a valuable
3	Felix	**	1314.0	connecting link in reaching the height
				of land and that great clay belt lying
	7 7 9 1 8 8	7 Nandair 7 Milnet 9 Sellwood Jct. 1 Anstice 8 Raphoe 8 Laforest 9 Thor Lake	7 Nandair " 7 Mllnet " 9 Sellwood Jct. " 1 Anstlce " 8 Raphoe " 8 Laforest " 9 Thor Lake "	7 Nandair " 1033.0 7 Mllnet " 1084.0 9 Sellwood Jct. " 1156.0 1 Anstlee " 1187.0 8 Raphoe " 1244.0 8 Laforest " 1278.0 9 Thor Lake " 1336.0

back of Lake Superior's watershed, which is so rich in fertile soil,



With the Hunters in Northern Ontario

minerals and timber. Geologically, the valley is most interesting because of the enormous drift that has been carried through and piled up during the glacial epoch. The debris has been deposited, first a luge boulders up the stream and then as the gravel flats aroun. Capreol.

From Milnet a short spur branches off to Sellwood, where the Moose Mountain iron mines on the west branch of the Vermilion are located. The ore from these mines is shipped to Key Harboron Georgian Bay, whence it is transhipped by barges for smelting. Beyond Milnet the valley becomes even more picturesque, narrowing to a veritable gorge or canyon, then expanding again into a series of very beautiful little lakes.

			Passing from the Vermilion gorge, the track
475 I	Ruel	Alt. 1344 0	crosses the upper reaches of the Wahnapitae
482 6	Stupart	" 1313 0	at inileage 470, and shortly after enters
487 6	Westree	'' 130 6 0	Ruel. This was at one time the end of
492 3	Ostrom	'' 1234 0	steel, and during construction days a place
			of considerable activity. It is to-day the

point of departure for the promising new Shining Tree mining district, and many sportsmen make it a stopping-off place for their expeditions on the Opickinimika. At Ruel itself there is good land and much timber, so that a little settlement has grown up and supplies for the sportsman or prospector are obtainable. From now on the line traverses a big game country, the resources of which have scarcely been touched. Moose and fur-bearing animals abound. Rivers and lakes afford the finest fishing in America speckled and lake trout, maskinonge, bass, pike and pickerel, with great quantities of white fish and sturgeon available in the larger lakes for commercial purposes. All these attractions, and more, are described in detail in the Railways' publication "Where to Fish and Hunt," to which special attention is directed.

Leaving Ruel, the line follows the Oshanagana and the Muskegogama Rivers downwards to Minnesinaqua Lake. This lake, and all the leading rivers and lakes for the next 300 miles, discharge into Hudson Bay. The Minnesinaqua discharges into the Mattagami River, and a few miles down stream the long-established and important fur-trading post of the Hudson's Bay Company at Mattagami. From Ostrom. on the west bank of the lake, the line ascends the Macaming River, and then leaving it crosses the end of Windegozegunzing Lake. The term "Windego" means the bad spirit which plagues the Indians, and is responsible for all their bad luck. The particular spirit associated with this lake was, after a furious struggle, drowned in its waters, and then turned into a rock, the legendary stone just showing above the water almost under the railway embankment. Report has it that it was a descendant of this fellow who upset one of the canoes of the survey party and ended the career of a very promising young Montrealer.

Passing a number of other very pretty lakes, the railway at length reaches and descends into the valley of the Ground Hog River, crossing its waters at mileage 555, just after arriving at Kukatush.

			The Ground Hog is one of several large
556 7	Kukatush	Alt. 1138 0	rivers which combine to form the Moose
561 2	Palomar	'' 1109 0	River. Among the others are the Abitibi.
567 0	Staterock	'' 1147 0	the Mattagami, the Kapuskasing, and
			the Missinabi. At Kukatush, it is

said, a bloody fight occurred years ago between the native Crees of the Moose River basin and the Iroquois, who sometimes crossed Lake Huron and penetrated far into the interior, though they seldom got as far north as this

they seldom got as far north as this.

Beyond Kukatush, the railway first comes into contact with a corner of the great clay belt of Northern Ontario, and the line, which has up to this point been running more north than west, now bends to the westward. A number of other waterways are crossed, and then the divisional yard at Foleyet is reached.

571 8 581.5 590 5 600.1 609.7 618 0	Shawmere Missonga Oatland Agate Dunrankin	11	1078 0 1043 0 1182 0 1095 0 1076 0 1102 0	Foleyet is coming to be a centre for sportsmen and tourists, and from it a large number of splendid canoe routes are available. Leaving Foleyet, the track runs into the midst of a rocky region, interspersed with numerous lakes, the whole forming a section of much scenic attraction. A little farther on the great
622.7	likestone	4.	1036 0	attraction. A little farther on the great clay belt is again touched in the valley of

the Trout River, which the line follows down to Kapuskasing Lake. Crossing the Kapuskasing River, which flows from the lake, the scenery changes in character. Rock cuts become comparatively rare, and there is much arable land on all sides. A prominent feature in the landscape is Mount Horden, an isolated hill rising out of the plain to a height of 500 feet or more, and named after the ex-Bishop of Rupert's Land. Near the station of Peterbell, the Missinabi River is crossed.

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A comparatively uninteresting country is now traversed, and at Oba the line of the Algoma Central Railway is crossed. This railway was started as one of the Clergue enterprises. It has its headquarters at Sault Ste. Marie on the south, and extends north to the Canadian National Railways second transcontinental line at Hearst.

		At Albany Forks a natural phenom-
686.6	Albany Forks Alt. 1120 0	enon occurs. The Oba River, coming
694.7	Macduff " 1032 0	up from the south, divides into two
702 4	Penhurst " 1058.0	parts, one branch running off in a
708 8		northeasterly direction, while the
		other continues due north. One

branch joins the Albany River, the other the Moose River. Another excellent sporting territory is now approached, where moose and bear abound, duck are plentiful, and the rivers are fairly alive with brook trout running to five pounds or more. Here great records in catch and weight are made annually. Canoe routes are numerous, portages are easy, and the scenery is surprisingly beautiful. Notable among the waterways are the Shekak, the Nagagami, the Stoney, the Obakamiga, descriptions of which are given in the Where to Fish and Hunt" booklet already mentioned. Such is the country surrounding Hornepayne, the next divisional point on the line.

			Proceeding westward from Horne-
720.0	Hornepayne	Ah, 1088 0	payne, the line first crosses the
724.5	Lennon	" 1123.0	Osawian River, which flows north into
732.4	Tondern	" 1128 0	the Albany, and then the White
739 2	Obakami	" 1083 0	Otter, which flows in the opposite
747.9	Lux	" 1044.0	direction into Lake Superior. In the
755.0	Osawian	" 1083.0	interval the height of land is crossed
768.3	White Otter	" 998.0	at the unusually low elevation of
774.9	Taradale	" 1077 0	1083 feet. At Gamsby the line re-
782 3	Gamsby	" 1055.0	crosses it to the Hudson Bay slope
789 4	Arms	" 1106-0	at an elevation of 1120 feet. The
797 4	Caramat	" 1121 0	country is comparatively featureless
804 0	Pagwachuan	" 1122 0	until Longlac is reached. Here the
811-5	Seagram	" 1099 0	Kenogami River is bridged close to its
820 0	Longlac	" 1036 0	outlet from Long Lake. This remark-
	_		able body of water, varying in width

from one to three miles, extends to the south for some fifty-five miles, and at its farther extremity is only thirty miles from Lake Superior at Jackfish Bay. It interposes a natural barrier between east and west, and when the C.P.R. engineers were locating the route of that railway, they spent much time in seeking a practicable route past it, finally being forced to go to the south along the rough coast of Lake Superior. As a gathering place for tribal Indicas, as a fur-trading centre for the Hudson's Bay Company for upwards of a century, and as a post more recently for Revillon Freres, the great French company, Longlac possesses a good deal of historic interest. Many sportsmen have visited these regions, and writers of note have written most interestingly of its many and varied attractions. The railway crossing over the Kenogami outlet is the most northerly point touched by this route of the Canadian National Railways east of Winnipeg.

			From Longlac the line bends south-
829 0	Octopus	Alt. 1087 0	westerly towards Lake Nipigon. After
836 3	Langmuir	" 1088 0	passing through a low, flat country
845. I	Bankfield		and skirting Little Long Lake, the

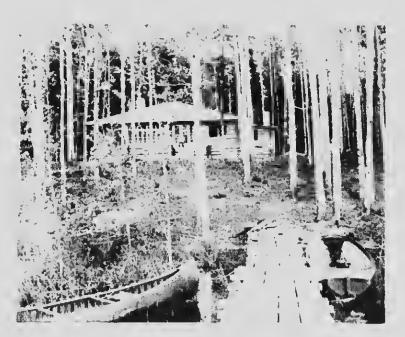
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NOTES BY THE WAY

Mls. from Montreal

853 2 Keemle		1139-0	"divide" is crossed again for the fourth
861 5 Kingho	rn "	1092 0	time, and at Wildgoose Lake the val-
870 5 Jellicoc	**	1081 0	ley of the Sturgeon River is entered.
876 3 Nezah	••	1066 0	The track follows this valley along the
884 l Jackpin	ie ''	1032 0	shores of No Turkey and Partridge
-891-0 - Beardm	ore ''	1010 0	Lakes. The rather reculiar name of
896 1 Warnefe		974 0	the first of these lakes originated from
904 l Fairloch	ı "	976 0	an experience of one of the survey
-907-2 Macdair	rmid ''	927 0	parties whose Christmas fare missed
			connections and arrived too late for

the festive day. An imperceptible divide separates the Sturgeon from the Blackwater, or which is located the next divisional point of Jellicoe. The source of this name is unmistakable, and needs no explanation. From here to Fairloch, the line follows the valley of the Blackwater, where it comes within sight of Lake Nipigon. Nipigon is supposed to be a corruption of the Indian "Aweenipigo," or "the water which stretches far," and that is precisely the impression that is obtained as its wide expanse is first viewed from an elevation of nearly one hundred feet. It presents to the eye a vast sheet of water stretching unbroken to the liorizon, except for a number of beautiful wooded islands and curving points of land. The Lake is touched at Orient Bay, which has now become a famous rendezvous for sportsmen.



Nipigon Lodge, Orient Bay

Three miles across the lake, and near its outlet, may be observed the Virgin Islands. Further off, on a clear day, may be descried the peaks of a mountain. Still

the peaks of a mountain. Still further off, and to the north, lie the Shakespeare Islands. A good map of the district and a detailed description of this great hunting and fishing region is to be found in the Railways' publication.

"Thunder Bay, Nipigon, Rainy Lake,"

At Orient Bay, the railway has erected a hostelry for sportsmen, known as "Nipigon Lodge," an annex of the Prince Arthur Hotel at Port Arthur. Guides and outfitters are available, and sport of the rarest may be promised any fisherman who cares to visit these most famous of angling waters. Here the spreckled trout are large of body, fin and tail, owing to the great volume and strength of the currents with which they must contend, and they put up a game fight.

It is customary to speak of the five Great Lakes of the St. Lawrence system, but a sixth might very well be included, for Lake Nipigon is fully half as large as Lake Ontario. It is unquestionably the main source of the St. Lawrence. Into it empty many rivers, whose dark-colored waters have their birth in far-off swamps. Out of it flows one mighty stream of crystal purity, the Nipigon River, which goes thundering in a series of superb cascades, through one of the most picturesque gorges in the world, to Lake Superior,

240 feet below and 30 miles away.

A change in the character of the rock formation is now apparent and accompanying it appears a marked difference in the scenery. For two nundred miles, before reaching Lake Nipigon, the railway ran through low rounded hills of Laurentian and Huronian rock. Now, it suddenly encounters the "animike" formation, which is characterized by flat-topped, vertical mountains of basalt, a volcanic overflow which covers most of the country between this point and Port Arthur. This basalt is very hard, and has resisted denudation to a remarkable extent. Some of the summits rise over 2,000 feet

above sea level, and are the highest points in Ontario.

The scenery now becomes rugged and grand. At mileage 905 occurs the only tunnel on the main line between Montreal and the Rock'es. After skirting Orient Bay for several miles, the track diverges into the old pre-glacial channel of the Nipigon River, which had been dammed up by the glacial drift in much the same way as was the original channel of the Niagara River, and comes out upon the river itself at mileage 936, near Cameron Falls. Here the Ontario Hydro-Flectric Commission are busy harnessing the latent power of these magnificent rapids. Construction at Cameron Pool is nearly complete, and soon some 60,000 horse-power will be available for a rning the wheels of industry at Port Arthur and Fort William. Other power plants are projected both above and below Cameron Falls. In the stretch of river between Virgin Falls, at the outlet from Lake Nipigon and Cameron Falls, a distance of about thirty-five miles, some 200,000 horse-power is in sight, which will doubtless be developed in due course.

Three miles below Cameron Falls, the track crosses to the west

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NOTES BY THE WAY

Mle. from Montreal

bank, and, skirting Lake Helen, one of the extensions of the river, arrives at its mouth at Nipigon Bay on Lake Superior. Here is located the village of Nipigon, the site of another old fur-trading post, which is still carrying on business. It is a notable outfitting place for tourists, sportsmen and prospectors,

955 3 960 1 966 2 970 4 977 2 985 1 991 1 999 7 1005 0 1011 0	Robford Coughlin Hurkett Dorion Ancliff Pearl Pass Lake Sibley Silver Harbor Wild Goose Current	Alt	624 0 675 0 627 0 667 0 737 0 854 0 834 0 740 0 656 0 623 0 648 0	At Nipigon the line is crossed overhead by the C.P.R. It then skirts the western shore of the bay, passing close under Cape Crawford, and strikes across country towards Black Bay, another large inle, of Lake Superior, of which one or two distant views are presently obtainable. There now commences a long, intermittent ascent of the backbone of the peninsula separating Black Bay and Thunder Bay.
				of 832 feet the line and

of 832 feet, the line emerges from a rocky defile, and comes within sight of Thunder Bay. The view is superb. The bay, lying nearly 250 feet below, is apparently close at hand. Mackay's Mountain and Pie Island, though twenty-five miles distant, loom up boldy, while Carihou Island seems almost underneath. At Sibley, a gradual ascent carries the track over the great viaduct, forty feet high and nearly half a mile long, which spans the Blende River. Then, running through a long rocky cut which forms a gateway to the city of Port Arthur, the first of the



The Prince Arthur Hotel, Port Arthur (Under Canadian National Railways Management)

famous twin cities at the head of Lake Superior is reached. The station is situated close to the wharves, and almost directly below the Prince Arthur Hotel, which overlooks the barbor and bay.

1018 5 | Port Arthur | Alt. | 615 (1 1031 5 | Fort William | " | 612 8

Alt. 615 0 west. Fort William, occupy a commanding position at the head of the Great Lakes. They together form

the gigantic spout through which there pours each year the golden flood of grain from the vast agricultural areas of the Prairie Provinces, while as the connecting points between the navigation of the Great Lakes and the rail systems of the West, their importance in the transportation life of the country is paramount.

The Twin Cities have a spacious outlook. On the opposite side of the bay rises the bold rocky promontory of Thunder Cape, beyond which hes Silver Islet. Here, years ago, silver was mined in large quantities, though operations were finally stopped by an influx of water. Overlooking the harbor is Pie Island, a mountain of columnar basalt, with Mount Mackay towering to the west.

Naturally, one of the most interesting features of the Twin Cities are the facilities provided for the transbipment of grain from cars to ships, and this is effected by means of immense elevators. At Port Arthur there is located the Canadian National Railways terminal elevator, the largest consolidated elevator plant in the world, with a total capacity of 10,000,000 bushels. It has a track capacity of 30 cars, and it has been estimated that under conditions of urgency 600 cars of wheat could be unloaded in a day. With cars averaging 1,000 bushels, this feat would mean the elevating, weighing, and binning of 600,000 bushels within the twenty-four hours. The grain is conveyed in hopper, from the cars to the



The Sleeping Grant, Thunder Bay

top of the elevator, where it is weighed and distributed into the bins. Then, when being transferred to a lake vessel, it is drawn from the hottom of the bin, again elevated to the top of the building, where it is weighed and poured into the shipping bin, whence it is "spouted" into the hold of the waiting ship through shipping legs. There are five of these shipping legs to each of the two working houses, each leg having a capacity of from 9,000 to 10,000 bushels an hour. Under ideal conditions 100,000 bushels could, therefore, be unloaded in an hour.

In addition to large dockage facilities and waterside terminals, the Canadian National Railways have one of the finest plants on the continent for handling the coal arriving on incoming freighters and transferring it to railway cars for rapid distribution to eastern and western points. At Port Arthur, also, is located one of the Railways' excellent hotels, the Prince Arthur, which stands within a stone's throw of the station, and has a splendid outlook over Thunder Bay. It was erected in 1910, and is a six-storey fireproof building of handsome construction. Its appointments vie with the best of those to be found in the leading hostelries of larger and older cities. A magnificent rotunda carried to the full height of two stories and round the walls of which extend a series of mural paintings portraying the building of the railway into the city, is a prominent feature. The dining room is located on the first floor, and is approached from the rotunda by a marble staircase. Here the service, provided by capable attendants, harmonizes with the excellent



The Kakaucka Falls

cuisine. Bedrooms, which are all twenty feet long, are all outside rooms. The first three floors are furnished in mahogany, while the upper floors are done in fumed oak. Altogether the hotel is designed to give the maximum of comfort to every guest.

Proceeding westward from Fort William, the line follows the valley of the Kamunis-tiquia River for about twenty-five nules Up this valley also run the lines of the

C.P.R. and the former line of the Grank Trunk Pacific, now absorbed in the Canadian National Railways system. To the left will be noted the valley of the Slate River. Here and in the Pigeon River Valley to the south, the old fur traders' route from Grand Portage, some good farm land will be found. Settlers are raising fine crops, and are beginning to pay more attention to vegetables for which there is a market in the Twin Cities. Remarkable yields of potatoes have been obtained, as high as 400 bushels to the acrebeing reported in favorable seasons.

1030 7 Twin City America Alt. 723 3 6 1034 1 JeHy " 750 0 tl 1040 7 Kakabeka FaHs " 945 4 m

At Twin City Innction a branch line bends off, crossing the Kaministiquia River a few miles farther up and following the valley of the Whitefish to North Luke pear the inter-

River to Whitefish Lake, and so on to North Lake, near the international boundary. Meanwhile, the main line, after diverging from the Kaministiquia for a short distance, approaches the river again of Kakabeka Falls. These are one of the most beautiful waterfalls in Ontario, and they are visited annually by thousands of excursionists. Power is developed here and transmitted to Port Arthur and Fort William.

Between Mokomon and Rowan, the line 1044 3 Himne Alt. 945 0 bends westward from the Kaministiquia 1049 4 Mokomon 1003 7 valley and ascends the valley of the 1054 2 1062 2 Rowan 1129 0 Mattawin River. Just before reaching Glenwater 1202 θ Shabaqua, the Mattawin is left hehind, 10**7**0.9 10**7**6.0 Shabaqua 1242 4 and the road enters the valley of its Mabella 1442 4 tributary, the Shebandowan, which 1084 0 Rossmere 1481 8 presently broadens into the beautiful 1093 3 Kabalgon 1486 0 expanse of Shebandowan Lake. Here 1099 6 Kashabowie 1516-8 may be seen the remains of Lord Wolse-1108 5 Keego 1541 0 ley's headquarters, occupied by him 1114 4 Haronian 1570-8 during the Red River Expedition of 1870. 1123 4 Windigo 1486 4 The country on all sides is picturesque,

and undoubtedly contains mineral wealth. South and west of Mattawin are the Green Lake iron deposits, which, it is expected, will eventually prove active producers of magnetic iron ore of commercial value. South of Kashabowie, near the head of Shebandowan Lake, lie the Round Luke copper fields.

Between Huronian and Windigo, the line crosses the height of band between the watersheds of the Great Lakes and Hudson Bay for the last time, and begins the descent to Ralny Lake. WinMla. from Montreat

digo is situated on Lake Windiguostewan, and is the best place from which to reach Quetico Park, a forest and game preserve of 3,700 square miles, set apart for the public use by the Government of Ontario. There are some splendid canoe routes through the Park, and much excellent lishing in its numerous lakes and streams. Full infurmation on this subject is given in the Canadian National Railways publication "Thunder Bay, Nipigon, Rainy Lake."

Before the railway was built, the main route of travel was from Windiga down Lake Windigoostewan towards Fort Frances

the celebrated Dawson route. It was the old French trader's trail, re-discovered by Roderick Mackenzie of the North-West Fur Company in 1797, and knuwn then as the Kaministiquia route. The railway, however, strikes almost due west to Abiwin on Mink Lake. This is a favorite stopping place fur campers and fishermen, who can get splendid sport in Mink, Elbo. Crooked Pine and other lakes in the vicinity. Seven miles farther west, at Kawene, is the headquarters of the Superintendent of Quetico Park. The work of opening up portages, building roads and bridges, and making the Park generally accessible is heing carried on from this base. No shooting is permitted in the Park, but the man with the camera may have all the opportunities he desires for obtaining pictures of gaine, particularly inoose. All through the Park, moose are wonderfully plentiful, and are tu these regions what the buffalo were in the early days to the western plains.

H48.9 Rematite Ah. 1368.1 1154 3 Olcott 1356.0 At Hematite, the line enters the valley of the Atikokan River, and presently reaches the divisional point of that name.



Morese in Raine Lake Country

Mla. from Montreat

1159 7 1163 1 1169 9 1177 3	Affkokan Overflow Elizabeth Banning	1202.0	where are to be lound engine sliops and the usual equipment of such a place. There are extensive iron ore deposits in the neighborhood, but, at the present time, on account of there being no ready.
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narket for non-Besseiner ore, active operation is at a standstill. North of Atikokan are gold areas that have received more or less attention from mining men for some years. Many of the deposits are valuable, but from lack of scientific handling have not been prolitable in the past.

1182 1188 1193 1198 1204	6 3 3	Flanders Lat Selne Mathien Glenorchy Turtle	**	1214 0 1277 0	follows to a point inidway between La
					and the settle

of Rainy Lake. The line now skirts Little Turtle Lake, and passing Farrington and Bear Pass, swings round the end of Redgut Bay, a lake like indentation of Rainy Lake, which it crosses near its outlet to Sewell Bay.

207 211 217 224 230 235	8 3 4 3 0	Mine Centre Olive Farrington Bears Pass Nickle Plate Sims	11	1192 0 1163 0 1153 5 1119 0 1113 6	present time. There is a good general store and hotel, and the farmers from the surrounding district create a certain
240		Rocky Inlet	**	1136 3	amount of trade. After a certain

1235 0 Sims
1240 3 Rucky Inlet "1136 3 the surrounding district create a certain amount of trade. After crossing the large Bay and comes out

on the shore of Rainy Lake itself just beyond Rocky Inlet. Here there is encountered one of the engineering marvels of the route. a double-track granite causeway three miles in length, connecting a series of little rocky pine-cloched islets and forming a bridge across the lake. The building of this causeway was commenced in 1910. In July of that year station men were starting short fills out from the shores of some of the islets. On September 16 of the same year, the first big "shot" was fired, and in October digging by steam shovels was inaugurated. During the winter two shovels were kept at work, and the following summer four were in commission. Until the fall of 1912 these four shovels, attended by eight standard gauge locomotives, two donkey engines and sixty dump cars, forwarded a steady stream of rock to the fill. The biggest output in one month was 50,000 cubic yards of rock. For one steam shovel in a day the record was 155 cars, or about 900 cubic yards. Some single rocks loaded by these 90 ton shovels weighted more than 20 tons. On May 1, 1911, dumping commenced on the second channel filling, 3,000 feet across. Forty train loads of rock every day for a year were dropped before this was completed. Repeatedly for two weeks at a time this dumping was continued within a car-length before the track could be extended. Of the

Mls. from Montreal

so called hig shots, 75 were fired, averaging from 10,000 to 1 000 rubic yards. The largest contained 56,000 pounds of dynamite, and broke up 50,000 rubic yards of rock. The total rock filling will aggregate nearly a unilion cubic yards measure, solid, in original position. The average haid was one nulc.

Shirtly after crossing the lake, the busy mannfacturing town of Fort Frances is entered. This is a place that is entered. This is a place that is available. It is located on the Ramy River, which here forms the international houndary line. At most the river is International Falls, and other industries are heated. On the Canadian side the principal industry is that of the International Pulp and Paper Company, which supplies practically all this newsprint paper to the newspapers of Western Canada.

A good deal of historical interest attaches to the neighborhood. In May, 1732, La Jeremaye, who had been sent by the French explorer, La Verendrye, to Lac La Phue, built Fort St. Pierre, where the Rainy River discharges into Rainy faske. The same year La Verendrye himself stopped at the Fort on his way to the Lake of the Woods. On this ground the feuds of the great fur-trading companies were fought mit. The North-West Company, the Hudson's Bay Company, and, later, Astor, had forts here. It is still a station of the Hudson's Bay Company, their present offices standing on the site where they have been trailing for over a fundred years.

site where they have been trailing for over a fundred years.

From Fort Frances, the D. W. & P. division of the Canadian National Railways runs southeastwarf to Duluth, traversing a



The Canadian National Terminal Station, Winnipeg

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great lumbering country. Virginia, one of the most important places on this line, is the principal town in the iron mining district of Mesaba. It is, however, chiefly noted for its lumber mills, that of the Virginia and Rainy River Company baving a capacity of 1,000,000 feet of lumber in 24 hours. Duloth, the terminuous of the line on Lake Superior, is unique in its activities, handling the largest tomage of natural products of any port in the world. Over 10,000 ships active and depart from its harbor during the year, having a total tonnage of over 40,000,000 tons. The grain elevator capacity is 41,000,000 bushels. One of the principal reasons for the activity at Duloth is that there lies within easy shipping distance of its harbor the largest bodies of hematite iron ore yet discovered, and this, of course, produces an enormous tonnage.

1254	a en owitel	Alt.	1146
1259	¹ Lavallee –	**	1134
1261	l Declin	- 11	1149 (
1268	9 Emo	14	1106
1272	l Tobas	14	1167 (
1275	***************************************	G	1108
1284 2		1.6	1123 €
1290 8	3 Plucwood	- 11	1085 5
-1297	Sleemans	1.1	
1303 1			1103.0
1707	Rainy River		1088/6

I rom I ort I ratices the line strikes due west through Crozier, Lavallee and Devlin to Emo, cutting off a great elbow of the river. Emo is of great interest to antiquations and students of anthropology, because in the vicinity may be seen the work of the ancient mound builders. These were made the subject of investigation by members of the British Association a few years ago, and the researches of that learned holy form, the subject of a most

interesting monograph.

From Emo to Rainy River, the track follows the river larrly closely. Here, where the stream curves north to enter Lake of the Woods, the railway crosses to the American side, and for about lifty-five nules runs through the State (Munnesota).

1304 4 1321 2	Baudette, Miun.		1084	
	Plu	**	1113	-1
1316.3	Graceton	- 0	1140	4
1318 8	Cedar Spar	+1	FI46	
1322 1	Williams	0.0	1154	
1328 4	Roosevelt	14	1163	
1335 0	Swift	- 0	1086	
1341 [Warroad	14		7
1352 2	Middleboro	**		ó
1360-6	Sprague, Out.	44		6

The route by the Ramy River and Lake of the Woods was that taken by the early explorers on their way to Lake Winnipeg, and thence up the Saskatchewan. Over this route for the first time went Verendrye in 1732, establishing. Fort St. Charles on a peninsula on the west side of the Lake of the Woods. There he remained, while his son, Jean, explored the Winnipeg River to its mouth, and established Fort.

Maurepas. He was probably the first white man who ever went from the Lake of the Woods to Lake Winnipeg. The following year. Verendrye, on returning from Montreal, found the little garrison at Fort St. Charles at the point of starvation. He despatched his son to meet the heavily laden canoes following him for the purpose of obtaining and bringing back supplies. Jean took the most active voyageurs in light canoes, and with Father Aulneau made an early start. The party made a stop for breakfast when they reached the island off Oak Point, the narrow peninsula which guards the entrance

Mls. from Montreal

to Rainy River. What actually happened will never be known. but on landing the whole party were massacred by Sioux Indians, who came from the vicinity of what is now Warroad. The hodies of the murdered Frenchmen were afterwards discovered and buried at Fort St. Charles. A stone cairn now marks the site of the old fort and the burial place of the intrepid voyageurs.

1366 5	South Junction	Alt.	1143
1371.7	Vassar	- 55 -	1178 (
1380.5	Budger	4.6	1247 (
1386.2	Carrick	**	1194.0
1391 6	Woodridge	••	1233 (
1399.0	Sandllands		1161 (
1402.5	Bedford	• •	1122 0
1408.8	Marchand	**	1012 0
1416.1	La Broquerie	**	934 0
1421 2	Giroux	**	886.0
1429 3	Ste. Anne	**	831 0
1433 9	Dufresne	**	808.0
1441.2	Lorette	••	794 0
1449.2	Navin	**	769 0
1451 8	Paddington	**	761 8
1454 6	St. Boniface	**	763 0
1456 0	Winnipeg	••	773 7

Passing through Baudette, Williams, Swift. Warroad and other stations in the State of Minnesota, the line enters the Province of Manitoba a few miles before reaching Sprague. Between Sprague and Vassar at South Jct., a branch line from Emerson joins the main line. This road was built for the purpose of bringing grain from Southern Manitoba and avoiding the haul into Winnipeg, and the consequent added congestion at that point during the grain season. Bedford has been somewhat of a factor in building up the city of Winnipeg, for a large amount of the gravel used for concrete and mortar in Winnipeg building oper-

ations was liauled in from this point. Here, it will be observed, the line emerges from the wooded region surrounding the Lake of the Woods, and as it crosses the shore line of the ancient lake beach. the traveller gets his first glimpse of the great billowy sweep of the famous prairie country. This district has been largely settled by French-Canadians, though to the south there is a thriving colony of Mennonites. Evidences of the productiveness of the country are seen in the elevators erected at the stations along the route. The line finally passes through St. Boniface, and crossing the Red River, enters the Union Station at Winnipeg on elevated tracks.

1309.4 Winnipeg Alt. 775.0

Population 200,000. Capital of the Province of Manitoba Situated at the confluence of the Red and Assiniboine Rivers. it commands the trade of the great and ever growing West, is the gateway through which flows so large a proportion of the commerce of the Canadian Dominion, and is the greatest grain market in the British Empire. Winnipeg is one of the most thriving and substantial cities in Canada, and equal to the best on the Continent in respect to its maintenance and public services. It has beautiful public buildings, palatial stores, fine churches, splendid residences, finely kept streets and parks, great flour mills, grain elevators, huge abattoirs. In every respect a modern city, one where the spirit of business is most active; a city where mighty results are The Union Station, where the trains of the Canadian National Railways arrive and depart, is a massive and brautiful structure of stone.

LIST OF PULLICATIONS

NOTES-BY-THE-WAY Quebec to Winnipeg

NOTES-BY-THE-WAY Winning to the Prairies, the Rockies and Pacific Coast

OUT-OF-DOOR Quebec and Maritime Provinces

OUT-OF-DOOR Quebec, New Ontario and Eastern Manitoba

WHERE TO FISH AND HUNT THUNDER BAY, NIPIGON, RAINY RIVER MUSKOKA

ALGONQUIN PARK GRAND BEACH, VICTORIA BEACH, LAKE WINNIPEG BRIFISH COLUMBIA FISHING WATERS LAKE VERMILION MINAKI

QUEBEC BRIDGE
PRINCE EDWARD ISLAND
ST. JOHN RIVER VALLEY
MUSQUODOBOIT VALLEY
SUMMER PROVINCES BY THE SEA
STORIED HALIFAX

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Notes.

MONTREAL TO WINNIPEG

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