"If you look at the size of this country and the distribution of its population you will see that you cannot have a transportation network which is economic everywhere; you cannot have an economic system of transportation to serve the North, for example, or to service those regions of the country where the population is very thin." Transport Minister Jean Marchand, in a speech before the House of Commons, March 7, 1974.

## A New (But By No Means Revolutionary) National Policy On Transportation

Once transportation in Canada had an ad hoc aspect it now lacks. When J. L. Wilson, of

Dawson, Northwest Territories, decided to head for the Klondike in 1896, he used what



transportation guidelines in June.

economy . . . that the government cannot trains but to maintain their quality while stand aside. . . . It must take on a more making them more economical. In pursuit active leadership role to make sure that the of that goal, a demonstration train providsystem develops to meet national needs. In ing frequent, high-speed service will be some cases this could mean more govern- offered in a section of the Québec Cityment intervention but in others, less. . . . Windsor run. There would be a concen-Where the system is well developed and trated effort to rearrange freight rates working well, government involvement can long a source of western discontent—so be minimal, limited to ensuring that public that they would not only be equitable but policy requirements are met. . . . It is where that they would be seen to be equitable. the system is not yet developed that the role..."

tion system, most strikingly the railroads, environment and the introduction of new

seemed to him the best means available.

TEAN MARCHAND, the are heavily subsidized. (Rail passenger sub-

former Minister of sidies were \$135 million in 1974 and it is Transport, announced estimated that they will rise to over \$300 the government's new million by 1980 if no change is made.) Mr. Marchand planned that the subsidies will be lessened and that Canadian National and the "In sum," he said, great private line, Canadian Pacific, will be "transportation is so asked to reduce costs by pooling their pasimportant to the social senger services whenever possible. The inlife of Canadians and so important to the tent would not be to abolish passenger

government must take a more active changes of the past decade: the energy crisis, the increased demand for Canada's oil, grain, At present, some parts of the transporta- potash and coal, the new concern over the

The new guidelines reflect the swift

transportation techniques. The shift in view- used in Arctic seas.) point is essentially an economic one. The served. One notable result, Mr. Marchand said, is that transportation would become more expensive.

have a choice of rail, truck, ship or plane, the government would pretty much stay out of the picture. In areas where some facilities are well developed but where there is a lack of competition, the government would regulate rates in the consumer's interest. In the North, where existing facilities are scant, the government would take the lead in developing new ones. (The government and private industry will join, for example, in the development of an icebreaking bulk carrier to be chand said.

"It should be recognized," Mr. Marchand old emphasis was to achieve a fair return on said, "that in the event of any conflict beprivate and public investments; the new one tween public and private objectives, the pubis to make sure that all Canadians are well lic interest must prevail and the interests of total, national service must be overriding."

In conclusion, Mr. Marchand noted, the government has always taken a definite role In heavily populated areas where shippers in developing and maintaining the transportation system. Transportation has always been an instrument of national policy. Most often government involvement has been through the instrument of a crown corporation. For example, the Canadian National Railway is publicly owned but independently operated. It competes directly with Canadian Pacific, and it is required to pay taxes.

> "I believe that what I am proposing is a reaffirmation of a historic role," Mr. Mar-

## Trains, Trains, Glorious Trains



the fact that it is still possible and relatively inexpenive to move

around Canada by train—sleeping in berths

o some citizens of or bedrooms, eating good substantial meals US, the most in dining cars that shine with the glow of pleasing aspect of white linen, sitting in club cars drinking Canadian travel is cocktails or gliding through the evening under a scenic dome past a peaceful family of moose standing by the roadbed.

> The two major railroads in Canada—the privately owned Canadian Pacific and the government-owned Canadian National, links

(left) These bold immigrants were from Colorado and, as the sign makes clear, headed for

the Alberta frontier. The year was 1914. (right) The Canadian Pacific encouraged the settling of the west. This idealized picture of the interior of what the CPR called a "colonist car" ran in the Illustrated London News, November 1888.



Glenbow-Alberta Institute



Glenbow-Alberta Institute



Department of Transport



Information Canada

still hold the country together. One can

travel from Vancouver to Montréal in four

slightly more with an upper berth) on the

CN's Super Continental, a scenic-domed

diesel. The traveler can have a seat, a Pull-

man berth or a bedroom. It is an unfor-

gettable way to see Canada and most

particularly to see the Rockies. A crack

train takes eighteen hours to go from Vancouver in British Columbia, to Calgary

in Alberta, the next province, across the

mountains, through the passes, down pre-

cipitous grades, past crystal lakes and into

green below the snowy peaks, and bears

A SINGULAR SUGGESTION MADE BY MAJOR

ROBERT CARMICHAEL-SMYTH IN 1849, FOR

THE SIMULTANEOUS SOLUTION OF PROBLEMS

OF BRITISH COLONIAL COMMUNICATIONS.

EMIGRATION AND PENAL ARRANGEMENTS,

THE CENTRAL FEATURE OF WHICH WOULD BE

A RAILWAY FROM HALIFAX TO THE MOUTH

OF FRASER'S RIVER IN NEW CALEDONIA

"Then let a grand line of Railway be marked

out from Halifax to that spot (on the western

shore of North America) and let all local

towns or districts that have sufficient capital

and labour to undertake any part of that line

have the benefit of the profits of the whole

and elk ramble over plush golf links.

Banff National Park, Lake Louise is blue-

forged in the 19th and early 20th centuries— line, in the proportion to the parts they may finish. . . . In such districts as are at present so thinly inhabited as to have no working days in a chair car for less than \$100 (or population and no capital to expend, let the work be commenced by England by her capital and her convicts."

> THE CANADIAN NATIONAL IS THE CONTINENT'S MOST REMARKABLE RAILWAY (EXCEPT FOR THE CANADIAN PACIFIC)

The Canadian National was formed in 1922 amidst the sound and fury of four failing railways, including the celebrated Grand Trunk.

Today it has fingers in every transportation pie: it has 36,221 miles of track, 2,312 diesel-electric locomotives, 108,782 freight cars, 1,578 units of passenger equipment, and a system of computers that can locate an individual freight car anywhere in the country in a matter of minutes. It ties Canada together, and it connects Canada and the US.

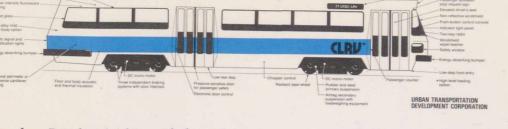
It has Air Canada (which, in line with Mr. Marchand's guidelines, it soon may lose). Air Canada, together with the Canadian Pacific's airline, CP Air, carries the bulk of the country's 11.6 million annual air pas-

CN has a large fleet of trucks and piggyback trailers.

It operates ferries between New Brunswick and Prince Edward Island and between Nova Scotia and the United States. It has freight car ferries across the Great Lakes, freight car

Department of Transport

(left) The two-man submersible Aquarius 1 is used by the Marine Emergency Organization to survey sunken oil barges, (middle) The wheel has come a long way since it was first invented; these are attached to coal-mine equipment in Fernie, British Columbia. (right) Sir Humphrey Gilbert is a Canadian Coast Guard icebreaker which works out of St. John's. It is 220 feet long, with a 48-foot beam and a 16-foot draft.



barges from British Columbia to Alaska, and a West Coast cruise ship. It has summer resorts and a chain of hotels across the country.

The privately owned Canadian Pacific, Canada's original great railroad, is almost as large and as diversified. It has \$3 billion in assets and it too operates on land, on sea and in the air. It is part of Canadian Pacific Limited which has, for example, a Bermuda fleet of 15 vessels, oil and bulk carriers, and CP Steamships, Ltd. It owns interest in the Black Angel mine in Greenland, the Chateau Royal in Mexico City, paper companies, logging companies and a slice of the voting stock of the Algoma Steel Corporation, Ltd.

> THE LIGHT, RAPID, COMFORTABLE TRAIN OF TOMORROW (OR MAYBE LATE THIS AFTERNOON)



coaches, the result of the combined efforts of MLW Industries, Alcan, Canada Products and Dominion Foundries,

now runs regularly between Toronto and Windsor, Ontario. The train can operate at 120 miles an hour on existing track.

• North Edit Canadian Light Rail Vehicle\*

It can do these things because of its low center of gravity and a hydraulically-powered coach suspension system, which tilts cars automatically and precisely, permitting the train to maintain speed on curves without slamming the passengers about.

The suspension system (to be mildly technical) involves a rigid, one-piece truck frame on a two-axle track. It has chevron primary springs, widely spaced, low-rate secondary springs and two servo-controlled roll bolsters. The bolsters act as separate stable platforms. The car nestles on the bolsters and hydraulic cylinders tilt the bolsters, exactly, to compensate for sudden rushes of centrifugal force.

The LRC locomotive is the indirect result of the earlier design and construction of a Turbo train, which was designed by United Aircraft, Ltd., and built for the Canadian National. The Turbo, which had a new turbine power concept and an aircraft body style, was a radical departure from conven-

(left) In the Ottawa suburbs, you can dial-a-bus and have it pick you up at your door. (right) The 1974 World Cycling Championship was held at the University of Montréal's



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