Methanol won't be practical fuel for decades

examined, straight methanol

order, gasoline produced

blended with gasoline, and

It cautions that the use of

methanol in transportation as

require a new distribution

engine redesign for auto-

mobiles and trucks. Vehicles

using methanol-type fuels

would generally be limited in

methanol is available since

no compatibility for the util-

ization of gasoline would

A major consideration—be-

fore Ontario or Canada be-

come committed to use of

these fuels-would be the

difficulties Canadian vehicles

could experience in obtaining

these fuels when travelling

outside the province or

Ethanol, even though it

may be less difficult to distri-

methanol, would have appre-

methanol is more flammable

and toxic than existing home

heating fuels, there are still

some safety questions to be

resolved before it could be

addition,

greater production

country.

to areas where

methanol, methanol

methanol would

substantial

It will be years before the use of methanol type fuels produced from wood resources and municipal waste could be considered practical for transportation uses in Ontario, according to Energy Minister Reuben Baetz.

"For Canada, with our cheaper and abundant oil sands resource for future petroleum supplies, this time is well into the future," Mr. Baetz said. "The technology for methanol, ethanol and synthetic gasoline is there and the resource to produce them is there, but the economics, both today and for some years into the future, do not seem to justify the ase of municipal garbage, lignite or Western coal to augment petroleum as a resource for liquid fuel pro-

The Minister said the most energy-efficient means of producing energy from wood and municipal waste is direct burning, not the production of alternative liquid fuels.

He added that in the event of extreme need in the mid-1980's, natural gas could be used as a transportation fuel after conversion to methanol and blending to the extent of 15 per cent with gasoline, or, with a longer lead-time, after conversion to synthetic gasoline or used directly in a compressed or liquified form.

"This use of natural gas would be expensive and should be considered only as a short-term emergency measure if adequate alternative fuel supplies are not available," he said.

government on synthetic from renewable resources to liquid fuels found that, al- be on-stream by the midthough Ontario's indigenous 1980's, because of resources have the potential required lead time for reto produce 16,000 tonnes a day source of methanol, this would re- development. quire a very significant re-

search, development and would not justify such fuel Such a program could not be existing or projected crude oil justified because of the lower cost availability of other fuel the longer term, however, it waste (garbage) and wood in mately be a time after the Ontario could replace only a year 2000 "when a combinrelatively small proportion ation of oil reserve depletion (about four per cent in the and price escalation will year 2000) of the demand for liquid fuels now being met by petroleum and only at a significantly higher cost. Ontario's lignite were liquified, this fraction would in-

The cost equivalent of this methanol would be at least \$36 (1977 \$) per barrel of crude oil. By comparison, the cost of crude oil in Toronto will be \$12.75 (Cdn.) as of July 1. The world price of crude delivered to Montreal is about resources, particularly the oil \$15.75 (Cdn.).

crease to only six per cent.

The Minister said he would study the Advisory Group's advice that no major demonstration program by the remove the need for import-Ontario Government should be undertaken either to utilize to produce liquid fuels from wood, garbage or lignite.

The report found that synthetic liquid fuels would not be a reasonable fuel substitute in Ontario if a worldwide crude oil shortage develops in the mid-1980's. For one thing, it would not be production, distribution and

A study prepared for the production of a liquid fuel and technology

In addition, the economics production at anywhere near costs for several decades. In was found that there will ultimake liquid fuels from other resources (such as wood and waste) attractive.'

The report says it would be more cost-effective in Canada to fully develop our conventional crude oil and oil potential rather than stake major investment in synthetic liquid fuels from bio-

"With a concerted effort to develop Canadian petroleum sands, domestic production of crude oil could relieve the supply situation and, before the year 2000 perhaps, ation," the report says.

It is premature at the present time to select which synthetic liquid fuel (methanol, ethanol, synthetic gasoline, etc.) will ultimately several decades from now be the most economic choice.

the report says. The report found that when automotive utilization and ef-

> characteristics, be supported by the Ontario Government in conjunction with industry. should also provide

continue its experimental offered the best potential of tree-plantation program, and the synthetics with, next in

develop an inventory of land suitable and available for such plantations in terms of land location and land qualGroup recommends that pro-

As a complementary ap- cedures be investigated by proach to increasing the pro- the Ontario Government and duction of wood through tree industry for the enhancement plantations, the Advisory of existing forest production.

CAR POOL Over 80 per cent of North Americans commute to work by car, and almost 50 per cent drive alone. A carpool or van pool not only saves energy and money, but saves wear and tear of the car. The Alliance to Save Energy says,

Local bull shows top performance

A Simmental bull owned by a Norval company showed top performance at the Arkell Bull Performance Testing Station recently.

The bull gained an average of 4.9 pounds per day over the indexed at 133 which is 33 cow.

percent above the average for the base group, The bull is the product of a "transplant," and is owned

by Modern Ova Trends Ltd. The company specializes in the breeding of the bulls by means of transplanting 140 day test. The gain was fertilized eggs into a grade

Milton woman Sheridan grad

A Milton woman, Elizabeth during the fifth annual convo- campus of the cation of the Sheridan College School of Nursing Aug. 4.

The School of Nursing became part of the college in Governors, will be master of September, 1973, when the provincial placed all nursing schools in Ontario under the jurisdiction of community colleges. It is located at Sheridan's Credit Valley Campus in Missis-

The graduation ceremony Ann Reddoch, will be among will be held at 7 p.m. in the 74 students graduating Sheridan Hall at the Oakville Trafalgar Farrow, vice-chairman of the Sheridan College Board of ceremonies and president John M. Porter will address the graduating class.

> —Some local industries are on holidays this week.

> > **ADULT**



OWNED by Modern Ova Trends Ltd., in Norval, this Simmental bull exhibited top performance recently at the Arkell Bull Performance Testing Station. Bulls are performance tested under the supervision of the Ontario Ministry of Agriculture and Food.

Box Office

used for this purpose. The Advisory Group recommends that research. development and demonstration concerning interfuel substitution, with particular reference to the matching of tion every year. application

The research program technical and economic information base for the longterm possibility of production of a liquid fuel from wood.

TEXAS PER YEAR Each year world supplies of oil must be increased by more than three million barrels a day to meet the annual

growth in demand. That is the equivalent of adding a new Texas to the world oil produc-LAMPS COSTLY

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One Price Covers Entire Program

Eager to learn French lad goes on exchange

Eleven-year-old Rowan, who is participating in a bilingual exchange program, is eager to learn French so he can become an airline pilot when he grows up. Pilots are required to be fluent in English and one

learning French, Paul says he "wanted to meet a new person and have him come

The program runs for four weeks. The first two weeks is host to Mark McAuley, also 11, from West Island, a suburb of Montreal. Mark arrived July 9. From the 24th, Paul will be Mark's in Quebec for two

take part in activities planned by organizers of the ex-

change. The first week it was a visit to Niagara Falls and the lift locks; the second week, a visit to the Science Centre, Black Creek Pioneer Village and the CN Tower.

The rest of the time they spend in family activities. Paul and Mark have been on outings with the Rowans. Living in a rural setting is to Mark and he is enplaying with the Rowans' dog and rabbits. Active in sports, Mark says his ambition is to be a "sports decided whether it will be in hockey, soccer, basketball or football. Paul is involved in sports as well.

Mark already is bilingual as are both his parents. They in a predominantly English area, but Mark's parents have enrolled him in a French school. He has been busy teaching Paul some One day each week the boys French, and both are tickled with Paul's newly-acquired vocabulary

Because too few Quebec voungsters were registered in the exchange, Mark was allowed to join although no one in his family works for

Joy Rowan, Paul's mother, is also eager that her children and was learn French delighted when the company exchange announced its

In response to a question about French immersion. Paul says he would have liked to have had the opportunity to enrol in a French immersion program in the first grade. A total of 80 younsters are participating in the exchange

- 40 from Ontario and Alberta, and 40 from Quebec. The Quebec participants are. teamed up with their counterparts in either the Toronto or Calgary areas, with 20 going to each province.

To qualify, applicants had to write a 300-word essay on the topic What Canada Means to Me. Every applicant was interviewed by exchange organizers as well.



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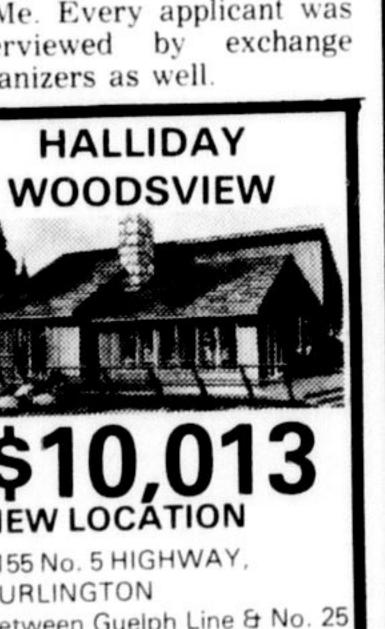
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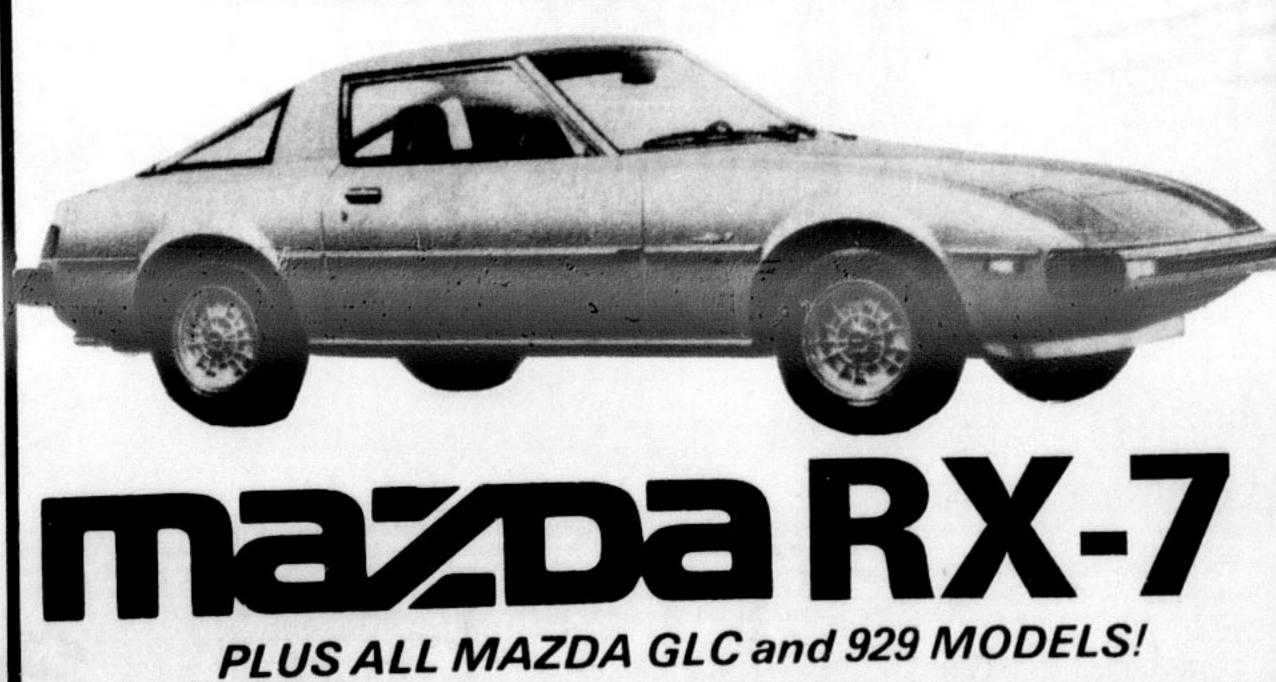
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BILINGUAL BUNNIES? Mark McAuley (left)

and Paul Rowan, both participants in Gulf of

Canada sponsored bilingual exchange program, play with baby rabbits at Paul's place. Mark is

teaching Paul some French.

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