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iputer Speeds Toronto

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streets by an average of 15 the old City Hall. This mod- Avenue Road, similar to Wash- program if needed. per cent.

tell the computer what to tell spools of magnetic tape, lends seemed unnecessary. the traffic, and the time-sav-ing for motorists should jump perhaps 25 non-sast perhaps 25 per cent.

computer systems for traffic boxes at each intersection. control. Washington uses a

Toronto's traffic problems

After a limited but success- a mess, thanks to illegally other governmental uses. Durernistic fish bowl, with its ington's 16th Street NW., there During November, tests will Soon the traffic itself will console, flashing lights and were several stops that begin on a traffic-activated

This Canadian metropolis of of a vast nerve system of same problem that very after- it has been told to carry out, 1.8 million people, spread wires, leased from the tele- noon on Avenue Road and dis- will decide how best to direct over 240 square miles, is the phone company, leading to covered that the wrong pro- traffic. Almost instantaneousfirst North American commun- and from 300 intersections. gram apparently had been fed ly, impulses will be sent out ity to install a business-type One set of wires picks up im- into the computer. It was fa- to the signal control boxes. digital computer to activate its pulses from sensors buried voring the less heavily trav- If, for example, traffic runs traffic signal system. Some beneath street pavements. The eled cross streets over the unusually heavy along Avenue other cities, including Balti- other set leads from the com- artery. more, use specially designed puter back to signal control Stops Cut in Half

pre-programmed mechanical in from the sensors is being of the computerized system, ton, for the speed of traffic

are the same as those of most for a temporary traffic con- terized system is saving about converted into the speed of big American cities, includ- trol program now being used. 15 per cent in travel time and flow. ing Washington. Downtown This interim program calls for

On Jarvis Street, showcase Right now, the data coming of the computerized system, tion, Toronto's computers will mitting more care to use

ful neighborhood experiment, parked cars and very heavy ing these times, the system TORONTO — A computer that tells traffic what to do has speeded the flow of ve-little brother, a 418, behind a mechanically alhicles on major Toronto glass partition in the lobby of new subway is opened. On puter can maintain a limited

> system. The sensors at each When I reported my find- intersection will send their ings, traffic chief Cass impulses to the computer, The computer is the brain chuckled. He had observed the which, based on the program

> > Road, the computer will keep its signals green for longer intervals.

Unlike other cities' installa-stops by motorists has been and the average time of all Such data formed the basis halved. Over all, the compu-vehicles minute by minute is

tell the operator at City Hall console about the problem by means of automatically typewritten print-outs. All the while, the computer is storing up all the information about the traffic flow at the jam and everywhere else in the city. It can be checked later and, if necessary, the program changed by giving the computer new instructions.

The computer even could be told to re-enact the jam.

Toronto motorists don't know precisely which streets are computerized and which aren't, and officials are not publicizing details of the program so motorists will not jam the controlled streets.

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Hence, if a traffic jam develops, the sensors will note that fact and signals will stay green longer in front of the snarl to get cars moving again. At the same time, the computer will keep the red light on longer behind the jam to prevent cars from piling up and making it worse.

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