

# Prof selected for shuttle

by Nora Jaffary  
reprinted from *The Varsity*

A U of T prof may be exploring the final frontier on a U.S. space shuttle mission.

The Canadian National Research Council has nominated Ken Money, a physiology professor at the U of T, to fly on a NASA (National Aeronautics and Space Administration) mission in 1991.

Money must compete for a spot on the shuttle with the other Canadian nominee, neurologist Roberta Bondar.

One of the Canadians will fly in the shuttle and the other one will remain on earth to process data from experiments conducted during the flight.

Four scientists on the flight will investigate the effect weightlessness has on humans, animals, and chemical reactions. They hope the results will have applications

on earth.

European, Japanese, Canadian, and American scientists have contributed ideas for the 40 experiments that will be conducted during the flight. Six of the experiments were conceived in Canada.

"A Vancouver scientist will study the back pain common in astronauts," said Money. "It isn't known why they experience this, but it is suspected that the spine expands because gravity isn't pounding it down."

Money said another experiment will involve crystal growing. Crystals grown in space are very big and perfect because they do not have the force of gravity acting on them. Since crystals are used to make computer chips, Money said this discovery will influence the computer chips industry.

Money said NASA is hoping

for a commercial pay-off, as well as scientific benefits.

"They hope to make money by providing facilities to commercially produce things in a shuttle."

All nominees have already begun the two-year training program. After that the National Research Council and NASA will pick which scientists will fly.

Money said they will decide by the end of 1989.

"The criterion for selection is not entirely clear," said Money. "I have suggested to our boss in Ottawa that the opinion of the scientists who designed the experiments be sought. They would know who is best able to do the science."

Money said right now his chances of being chosen over Bondar are about 30 per cent.

"Roberta (Bondar) is a distinguished neurologist and she's a public relations superstar. I'm an established scientist, but I'm just an awkward old professor."

But Money feels his chances will be as high as 50 per cent if the scientists who designed the experiments choose who goes.

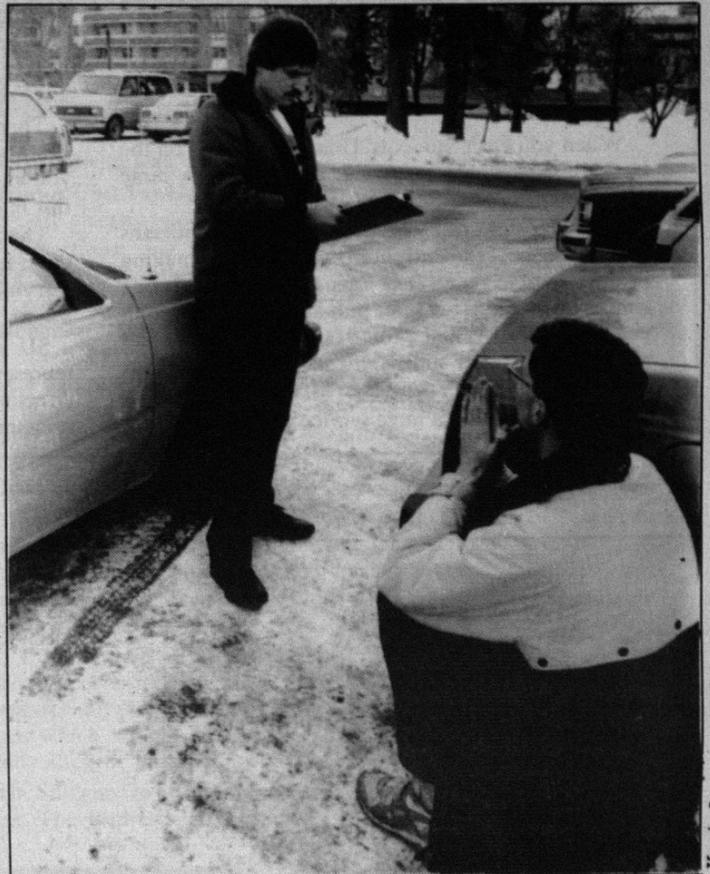
Money said he has good qualifications to fly on the shuttle and to conduct the experiments.

"I was appointed to the Canadian Astronaut program five years ago and I've been a co-investigator on five space-lab missions."

Money said his other advantage is that two thirds of the experiments will involve the human vestibular (balance) system, and this is his area of specialty.

Money said the first year of training will be on how to do experiments in space. The second phase will train the scientists to adapt to the shuttle.

"It will prepare us for eating, sleeping and using the toilet," Money said.



Kevin Law

Begging for a break on a parking ticket, as Science student Colin Northcott demonstrates, may be a thing of the past when more parking becomes available with the construction of the Cross Cancer Institute parkade.

## Quantum leap to Science week

by Kevin Law

Every dog has its day, and it seems like almost every faculty has its "week". Starting next Monday, science students will join the proliferation of faculty events by hosting Science Week.

"Science is getting to be apathetic," said Dave Leung, vp finance for the Undergraduate Science Society. "Science week is primarily something we want to put up on a regular basis to overcome that."

To help do this, the Society will run a number of fun events over the next week to promote the sciences.

Some of the planned events

include a scavenger hunt all week long. Students are encouraged to become contestants and prizes will be awarded for the group with the highest points.

The U of A Computing Society will be having a car rally running around the city and the Science Society will host a "car smash". University president Myer Horowitz has lent his name to a car that will be smashed with sledgehammers in Quad around noon on Friday.

The week will conclude with a social in L'Express overflow that will be open to all science students and others to come and mingle.

## Constitution meeting

We've got a new constitution to look at — and it's a killer! We need your opinion on it, so come to our meeting and take a look at it. We'll also be finalizing plans for our annual end of the year blowout.

As usual, we will be adjourning after the meeting for liquid refreshments.

**Thursday, March 9, 5 pm, Room 282 SUB**

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## Parkade will probably solve parking problem

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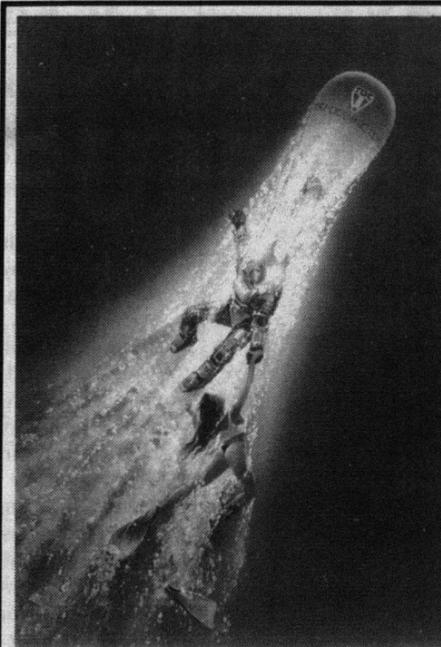
was requested by 50% of the applicants, but there are only 500 stalls available near campus buildings. Due to the distance from main Campus buildings, the Cross Cancer Parkade will probably not solve this problem for students.

Parking Services has had problems in the past with applicants who lie on their applications in order to get parking space. According to D'Souza, Parking Services does random spot checks on information received to eliminate the falsified requests. However, since they have only 3 or 4 days to

process the applications after they are received, Parking Services cannot verify them all.

"The ones who don't get parking permits are almost always those without any specific reason for it, or those who are caught lying," explained D'Souza.

To alleviate some of the problems, the housing and transport commission has made some recommendations to the SU, including a proposal that the SU urge the University to change its present policy, such that staff compete with students for parking spaces.



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### The Gateway

Invites you to a special screening of this underwater adventure thriller on March 16th.

Watch for details in next Tuesday's *Gateway*.