

## Noted Harvard chemistry professor to give F.J. Toole Lectures

### Press Release

Martin Karplus, a professor of chemistry at Harvard University in Cambridge, Massachusetts, will give the 1993 F. J. Toole Lectures from November 8-10, on roles of proteins.

Of interest to health and fitness students and professionals as well as science students and professionals, this series of three lectures is free and open to the public.

On Monday, November 8, Karplus will talk about the Dynamics of Proteins: Their Nature and Functional Role, at 8:00pm in the

WU Conference Centre Auditorium.

On Tuesday, November 9, he will discuss Molecular Recognition in Proteins: Free Energy Simulation and Ligand Design, in Carleton Hall, Room 106, at 4:00pm.

Wednesday's talk on Biophysics of Proteins: Temperature Pulse Echoes and Other Phenomena, is scheduled for 9:30am in F. J. Toole Hall, Room 303.

Karplus's current focus of study is the properties of molecules of biological interests and particularly the structure of proteins, which along with nucleic acids play an im-

portant role in body functions.

In his talks, Karplus will discuss how these work in the body and how they react with each other.

In his studies of processes in biological molecules, Karplus has examined the bonding of oxygen to hemoglobin and the photochemistry of visual pigments.

Most recently he demonstrated that molecular dynamics simulation methods can be employed for the elucidation of the thermodynamic properties and internal motions of proteins and nucleic acids and for the study of enzymatic reactions.

A theoretical chemist, Karplus

joined Harvard in 1966 and became the Theodore William Richards Professor of Chemistry there in 1979.

Early in his career, he made fundamental contributions to the theory of reactive collisions between small molecules. Karplus was one of the first researchers to apply many-body perturbation theory to atomic and molecular systems.

Among the awards he has received in recognition of his work are: an Award for Outstanding Contribution to Quantum Biology from the International Society of Quantum Biology in 1979; the Distinguished Alumni Award from the California Institute of Technology in 1986; the Irving Langmuir Award

from the American Physical Society in 1991; and the Theoretical Chemistry Award from the American Chemical Society in 1993.

Karplus has held several visiting professorships in Europe and published over 450 articles in his career thus far.

The Toole Lectures commemorate chemist Frank Toole, UNB's first Dean of Graduate Studies and a leader in establishing the university as a respected research institution.

Toole died in 1975, after a career that spanned 35 years.

For further information about the 1993 Toole Lecture Series, contact Allan Adam, a professor in the chemistry department, at 453-4781.



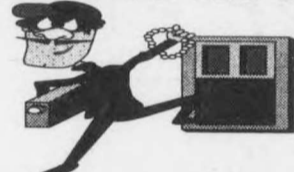
There will be an Occupational Therapy and Physiotherapy Information Session, Tuesday, November 9, 1993 in the Common Room of McConnell Hall.

The session will begin with occupational therapy at 7:00pm, physiotherapy at 7:30pm and questions at 8:00pm.

The session will include: Description of occupational therapy and physiotherapy, educational pre-requisites, Canadian program and employment opportunities.

For further information contact: Kyle Ross, Health Sciences Society; Karen Grotterod, Clinical Education Coordinator, 444-4411; or Carol Morrison, Clinical Education Coordinator, Occupational Therapy, 444-4412.

### Crime de la



### semaine

This week, Crime Stoppers is looking for help to solve a theft; a daring and major shoplifting case.

On Saturday June 6th, 1992, the Jean Coutu Pharmacy in Riverview was closing for the day. It was 10:00pm and as the pharmacist closed his doors, he noticed a drawer on the floor, behind the jewelry counter. Upon further investigation, it was evident that there had been a theft.

The pharmacy was quite busy that evening. Many customers were served and employees cannot remember seeing anyone suspicious in the store.

Someone with a lot of nerve got in behind a jewelry and gift counter.

They pried open the drawers containing merchandise and quickly grabbed whatever they could get their hands on - cosmetics, jewelry, perfumes, colognes, leather wallets, cameras, watches. Whatever fell on the floor, stayed. It was a daring theft, reminiscent of snatch and grabs a few years ago by a group of people identified as European gypsies.

Police have looked into this theft and have found little to work with. They have no suspects and have now turned to Crime Stoppers.

Greater Moncton Crime Stoppers will pay a minimum \$1000 for information received this week that leads to the arrests of the persons responsible for this theft.

If you have any information concerning this crime or information on any other unsolved crimes in New Brunswick, please, call Crime Stoppers at 1-800-222-TIPS; that's 1-800-222-8477. If you're on the NBTel cellular network, press \*TIPS. The call is free.

Only your information is important, not your name. Should your tip lead to an arrest, Crime Stoppers guarantees the cash award.

Call today!

### ATTENTION STUDENTS:

Anyone interested in Skiing and willing to give some of your time for a good cause, the Capital Regional Association of disabled skiing is looking for new members.

There will be an introductory meeting on Tuesday, Nov. 16, 7pm at the Fredericton Rec. Dept., 15 Saunders.

*Desperately needed:* Volunteer writers to contribute to the News Department. No experience is necessary, and it doesn't take a big time commitment—we promise. Call 453-4983, or drop by room 35 of the SUB. (In case you didn't notice, there were a total of two contributors to News this week, and one of them was the News Editor.)

## UNB Forest Survey

### Attention All Recreation Enthusiasts:

The fifth-year class in the Faculty of Forestry at UNB is preparing a management plan for the UNB Forest (across from Regent Mall). The class is concerned with maintaining and/or enhancing the recreational opportunities provided on the woodlot. We would appreciate your cooperation in completing this survey—your concerns and opinions are important to us. Your input will add credibility to the proposal and may lead to its implementation in the future.

#### 1. What best describes your situation?

student/unemployed  non-student/unemployed   
student/employed  non-student/employed

#### 2. Are you aware that UNB owns a woodlot that is used by the general public for recreational enjoyment? (If "no" go to question 8, otherwise please continue)

yes  or no

#### 3. Have you made use of the UNB Forest for recreational purposes? (If "no" go to question 8, otherwise please continue)

yes  or no

#### 4. Do you visit the UNB Forest more often in a particular season? If so circle the appropriate season(s).

Spring  Summer  Fall  Winter  All Seasons

#### 5. How often do you use the UNB Woodlot?

(days/week)  
 (days/month)  
 (days/year)

#### 6. What types of recreational activities have you enjoyed on the UNB Forest?

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

#### 7. Do you prefer to use the UNB Forest over other locations that offer recreational opportunities?

yes  or no

If yes specify why: \_\_\_\_\_

#### 8. What types of recreational activities would you be interested in seeing developed on the woodlot?

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

#### 9. Would you be willing to pay a fee for using the UNB Forest?

yes  or no

If yes, how much would you be willing to pay per visit? \_\_\_\_\_

#### 10. Other Comments:

Surveys may be sent through campus mail: Faculty of Forest Resources, c/o Kevin Laird, UNB Campus Mail; or through the postal service: Department of Forest Resources, c/o Kevin Laird, University of New Brunswick, Bag Service #44555 / Fredericton, NB, E3B 6C2.

Please return completed surveys by November 15, 1993.