

"Earth Tides" station built in woodlot

In an underground chamber on the UNB Woodlot in Fredericton, automated equipment set up by university surveying engineers is monitoring the "earth tides."

Earth tides are to the earth's solid crust what marine tides are to the oceans. The earth's surface bulges first on one side, then another, in response to the gravitational pull of the

moon and sun and to the "sea-tide loading", the weight and gravitational attraction of the incoming marine tides.

The only way to detect earth tides is with sensitive instruments which record very small changes in the tilt of the earth's surface and in its gravitational field. Such instruments, set on flat bedrock, make up the UNB Earth Tide Station, one of

four in Canada. The station was officially opened by UNB President James Downey on Wednesday, Oct. 19.

Earth tides are of some practical concern, according to Peter Vanicek, leader of earth tide research at UNB. A number of scientists believe that they add to the stresses within the earth's crust which may trigger some earthquakes. But much more basic research on the elasticity of the earth and its response to stresses, such as the research now going on at UNB, must be done before the role of earth tides in triggering ear-

thquakes can be fully understood, Dr. Vanicek says.

The station has been supported by grants from the Natural Sciences and Engineering Research Council, the Federal Department of Energy, Mines and Resources (EMR), and the Maritime Provinces Higher Education Commission.

A scaled-down version of the station has been operating for several years, but the installation of new equipment and an up-to-date system for registering data will enable even undergraduate students to use the facility.

Earth tides have been a fruitful research area for graduate students in surveying engineering at UNB. Robin Steeves, for example, whose PhD dissertation was based on data from the old station, is now head of research and development in the surveys and mapping branch of EMR. Spiros Pagiatakis, a PhD candidate using the new station to study near-shore effects of sea tides and near-surface effects of earth tides, was the master of ceremonies for the opening. Mr. Pagiatakis is now in charge of day to day operation of the station.

Wet and Dry stamps approved

By DAVID MAZEROLLE
Brunswickan Staff

The UNB campus will have wet and stamping starting in January for a 90 day trial period.

The measure was determined at a meeting of the Special Events Committee on Wednesday night. The committee has been negotiating for wet and dry stamping since the summer, when the blanket liquor license was implemented for the campus.

Under terms of the stamping procedure, bartenders will serve just one alcoholic beverage at a time. Campus police will be employed to circulate through the event to check for wet stamps. Anyone who wishes to purchase an alcoholic drink must display the wet stamp on the back of their right hand.

The Special Events Committee has suggested additional penalties to be added to the Student Disciplinary Code to deal with possible infractions of the policy.

Assistant Comptroller wanted

BY DAVID MAZEROLLE
Comptroller - elect Aubrey Kirkpatrick announced he is taking applications for assistant comptroller until Dec. 2, 1983. Anyone interested should write a resume and bring it to the SRC office.

The assistant comptroller assists the comptroller in the financial dealings of the Student Union. He or she will be a nonvoting member of the Student's Representative Council (SRC) and serves as the treasurer of the Orientation Committee and the Winter Carnival.

He she is appointed by the SRC executive on the recommendation of the comptroller with the approval of two-thirds of the council, and takes his her seat at the first council meeting in January.

Kirkpatrick thinks being a business student is an asset for the applicant. As to the type of person desirable, Kirkpatrick says he she should be "basically, somebody I can get along with. That's imperative. There's going to be a lot of long hours."

By C. ANDREW SMALL

Each year, the University of New Brunswick Society for Civil Engineers (UNBSCE) takes a road trip. The past years have been to Montreal and Halifax. These were a great time. This year, we will be going to Ottawa for the third weekend of January 1984. We are inviting all of the engineering students to join us.

This year's trip promises to be a great one. Many tours have been planned, the most notable are to Spar Aerospace, the manufacturers of the Canadarm, Arctec Canada, where ships and offshore structures are designed for the Arctic, and Terra Surveys, the largest computer mapping and plotting facility in the country. Also we will be visiting the Parliament Buildings, the National Museum of Science and Technology. Saturday night, Carleton University and Ottawa University may combine to host us for a pub.

We will be leaving Fredericton at 10:00 p.m., Wednesday, January 18, 1984 and returning to Fredericton at 11:00 p.m. Sunday, January 22, 1984. Transportation will be by 2 buses - one quiet and one loud! Accomodation will be at the Holiday Inn in the heart of downtown Ottawa. The cost for the trip is

\$125.00 for UNBSCE members and \$130.00 for non-members. A deposit of \$80.00 is required to go. Deadline for the deposit is Friday, December 2, 1983. This can be paid by cash or cheque. (payable to the UNBSCE) and left at the Civil Office with your name.

There are five sign-up sheets located in Head Hall.

These are near room 102, the M.E. office, the S.E. Lunch Room, the Library and in the lobby. If you want to go you must sign one of these sheets.

Space is limited, to ensure your seat, you should sign up early and get your deposit in.

FORESTRY NEWS

The lounge has been a very busy place this week and will be next week too. The Leader '83 is finally in and can be picked up or bought in front of the lounge. Leslie Cuthbertson is the person to see to pick up your copy. She has a few extras and if you're nice to her she'll sell you one of them. At the same time you can buy this year's yearbook \$12 or \$10 (with F.A. membership) plus a \$2 mailing fee if you're going to be out of town next year.

The woodsmens Team has a great idea for a Christmas present for your big/little sister/brother/buddy - a UNB forestry cap, with a three-color stitched crest of your choice of a red and white summer cap or a green winter cap - for only \$5! These are available during lunch, in front of the lounge.

Official News: Forestry Week '83 has been declared a big success. Many thanks to everyone who participated and special thanks to the people who organized, set-up and cleaned-up for the events. Dennis gets a round of applause for driving the "people shuttle" until 7:30 a.m.

DON'T FORGET: The Christmas Pub, next Saturday, December 3, 9 p.m. - 1 a.m., SUB Cafeteria - Even Santa Claus shouldn't miss this.

P.S. to For I: You're going to be in Leader '84 too, so why not drop by the lounge (2nd floor, old Forestry Building) and buy your copy now. Also - the more events you come to the more you'll be in the book. If you don't know what's going on call your big buddy and ask!