

We've got cool times ahead says Arctic expert

You might find it hard to believe after the heat of the eastern summer, but the world is actually in a cooling trend which will continue till about the turn of the century.

This is the opinion of experts on the subject, including Moira

Dunbar, 57, head of the geotechnical section of the Defence Research Establishment Ottawa, (DREO), at Shirley's Bay. On Sept. 2 she took over as acting director of the Earth Sciences Division of DREO.

Miss Dunbar says that the

apparent contradiction is because in periods of climatic cooling there are greater fluctuations between high and low temperatures. Hence this year's comparatively long excessively hot spell.

She explained it all in a paper she presented to the Sea Ice

Conference in Reykjavik, Iceland. The paper entitled "Increasing Severity of Ice Conditions in Baffin Bay and Davis Strait and its Effect on the Extreme Limits of Ice, was recognition that Moira Dunbar is regarded as an expert among her peers on the subject of Arctic Ice.

"Sea ice research was a lively subject but not a very big field when I started," she said. "And in the beginning it was very frustrating for me because of my sex, but I didn't know it was going to be as tough as it was."

"In the early stages of my career, opportunities for field work didn't exist at all. Often there were flights up north available with the RCAF and everybody got to go but me," she said.

But there was a lot of work that could be done by research from a southern base. The chronicles of the early Arctic explorers and the whalers which had been active in Davis Strait and Baffin Bay provided records of the density and movement of the sea ice in the north for starters. And interpretation of aerial photographs taken by the air force also provided valuable clues.

Finally, Moira found a sympathetic male ear at air force headquarters, here, and went on aerial reconnaissance flights. Her intensive studies of the Arctic terrain and ice from photographs

enabled her to recognize places on the ground where she had never been, a facility that must have surprised the air force navigators with whom she flew.

The chief reason for studying the Arctic is for purposes of sea transportation, a subject that is having ever-increasing importance as more oil and other natural resources in the north are discovered.

"But a knowledge of sea ice in the north is necessary for a general understanding of weather conditions because the water and air circulation of the whole globe is affected by the sea ice in the Arctic," she said.

"It is necessary to know the total volume of the ice, the total area of open water and amount of ice exported from the Arctic to the Atlantic.


"The open water area is very significant. It absorbs heat whereas ice reflects heat. And it can make a great deal of difference if the area of open water is one percent or one percent or 10 percent or whatever."

In addition to the papers she has presented at scientific conferences around the world, Moira has collaborated with former Wing Commander Keith Greenaway, now a retired brigadier-general, in writing a book, Arctic Canada from the Air, published in 1956.

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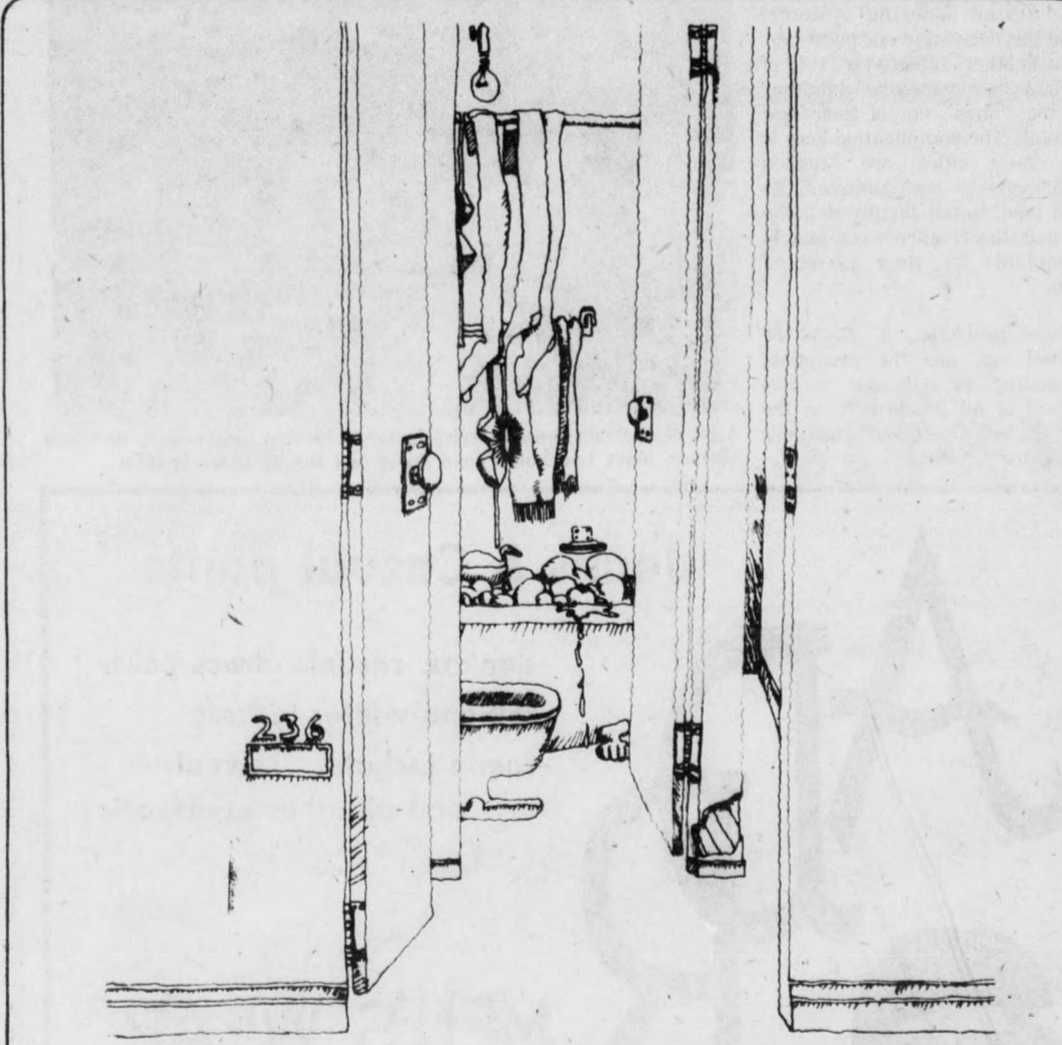
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New extension courses offered

By CHRIS HUNT

Several new courses are being added to those offered by UNB's department of extension and summer sessions, according to the department director.

John F. Morris said 30 non-credit courses are being offered under the headings of our life and health, leisure time and creative activities, personal development, personal household development, work and professional development and the world we live in.


Morris said there seems to be a great deal of interest in the

courses. The department was started about five years ago and registration has increased each year. This year the registration has again risen significantly.

None of the course areas seem to be stronger in participation than others, with interest strong in each section.

In the area of credit courses for part-time students the department is now offering courses in Business Administration I, Public Administration I, and Business Administration II.

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The UNB Fencing Club is offering memberships to students, faculty and staff of UNB and St. Thomas, as well as to a limited number of local citizens. Membership is open to both girls and guys, for both recreation and competition. The club meets twice weekly, on Mondays and Thursdays in the Dance Studio at the UNB gym, from 7:30 to 10 p.m. Instruction and equipment are provided for beginners. Club activities for the coming year are:

1. First meeting, Monday, Sept. 15 at 7:30 p.m. in Dance Studio, UNB gym.
2. Road trip to Dalhousie University, Oct. 4-5.
3. Road Trip to Halifax, Nov. 1-2.
4. Trip to Ottawa, Nov. 29-30.
5. Christmas party
6. Trip to Carleton University, January 1976.
7. Trip to Maine, Feb. 1976.
8. UNB Shield, March 1976.
9. End of year bash, following UNB shield

Other activities are planned, including participation in both the Eastern Can. Fencing Championships in Halifax, and the Nationals in Saskatoon. Membership fee will be \$9.00 per year or \$6.00 per term, including membership in the N.B. Fencing Association. If interested, contact Armbry Legere at the Dept. of Athletics, or Roland Morrison, 740 MacLaren Ave., F'oton, 472-1852.
Better yet, drop by the Dance Studio.

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