

New theories account for natural phenomena

Researchers at the Centre for Applied and Pure Science have developed some new and rather unusual theories to account for several natural phenomena which, in the past, had been attributed to very different causes. A clean slate approach was taken in every case, starting with known facts and working towards an hypothesis for each phenomenon. In a recent interview, Dr. Yew See, BSc., DSc., FRSC., director of the centre, gave the following example.

Most people have gradually over the years come to believe the theory that wind (the movement of air) is caused by interactions between high and low pressure areas within the atmospheric envelope above the earth's surface. "Bunk, utter garbage"

said Dr. See. After nineteen years of data collection in cooperation with the Marine Biology Department, University of Victoria and subsequent statistical analysis scientists believe the correlation of natural events indicates that this is a closer approximation of the truth.

The Pacific Ocean is an immense body of water in which perhaps one million whales reside at a given point in time. The average whale weighs 48.7 tons. Also at any given point in time approximately one one-thousandth of the whole population is dying (replaced by an equivalent number of young) and sinking to the ocean floor. The earth's crust is thinnest under the oceans as the Mohole experiment revealed. The mountainous west coast of North America is a

geologically unstable section of the mantle or crust. Consider then, the effect of 1000 lb. (approximately 50 tons) impinging upon submarine section of crust in the Pacific area. Strong vibrations are created and transmitted outward from the epicentre. As the coastal mountains tremble they force their covering forests of redwood, douglas fir, and red cedar to wave (amplitude at the apex is directly proportional to tree height) in a cyclic manner which sets up strong air currents from west to east, i.e.

the prevailing westerly winds. Many people can recall, or have read about the great San Francisco Earthquake of 1906 which now appears to have been directly linked to the unprecedented disappearance of whales reported by various captains in the marine journals of the time. What about winds from other directions? These seem to be the result of eddy currents which occur as the air pours over, through and around intervening mountain ranges before spilling out across the central plains region. As might be guessed, the movement of the pressure waves of diminishing strength around the globe towards Japan have a tendency to reinforce each other and thus sustain the flow of air during those anomalous periods of few whale deaths. The area of least wind over the central Pacific, traditionally called the Doldrums, falls precisely in middle of this area of weak air movement. This theory is being strenuously rejected by most practicing meteorologists. What do you think?

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campus

Music students prepare

Every year, Canada's advanced music students closet themselves with their instruments, brush up their repertoire and prepare for CBC Radio's prestigious Talent Festival.

Our of nearly 200 singers and instrumentalists who auditioned for the 1974-75 contest, 25 have been selected as semi-finalists in the 16th annual event.

They will be heard Thursdays, 8:03 p.m. on Part I of Themes and Variations on CBC Radio (Wednesdays at 7:03 p.m. as well, for those in CBC-FM regions), from January 2 to March 27.

In each program, entrants will perform works with CBC Talent Festival Orchestras conducted in various centres by John Avison or Raymond Dessaint.

Judging the contestants is a panel of 12 well-known Canadian performers and teachers, three each from the vocal, piano, string and wind categories, and representing both English and French Canada.

The contest is open to young Canadian concert artists 15-30 years of age. The 1974-75 finals will take place April 11, 1975 in Montreal, where eight contestants will vie for the \$3,000 first prize and \$1,500 second prize in each of the four categories.

One of Canada's most important and comprehensive competitions.

Red Devils awarded scholarships

Larry Wood, a fourth year Physical Education student from Oromocto New Brunswick was awarded a \$1200 Hockey Canada Scholarship in October 1974. Wood, who is the left-wing playing captain of UNB's Red Devil hockey team has been awarded this scholarship for the fourth consecutive year.

Another team member, Allan Archibald, a fourth year Business student from Sackville NB was awarded a \$700 bursary from Hockey Canada. Archibald is the assistant captain of the Devils and plays center.

These scholarships are awarded yearly to a limited number of collegiate players.

the yearly CBC search for new Canadian talent not only affords excellent experience and exposure for young musicians in this country, but also gives the radio audience a chance to hear what the standard is across the country, and follow its growth from year to year.

Past winners have included clarinetist James Campbell, pianist William Aide and soprano Anna Chornodolska, all of whom have made names for themselves across Canada.

Auditions for the 1975-76 CBC Talent Festival will take place in April and May, 1975. Brochures may be obtained from CBC stations or by writing to CBC Talent Festival, Box 500, Terminal A, Toronto, Ont. M5W 1E6.

Fredericton resident, Leon Joseph Ferrari, was presented with the Samuel Leonard Peters Prize at fall convocation at the University of New Brunswick.

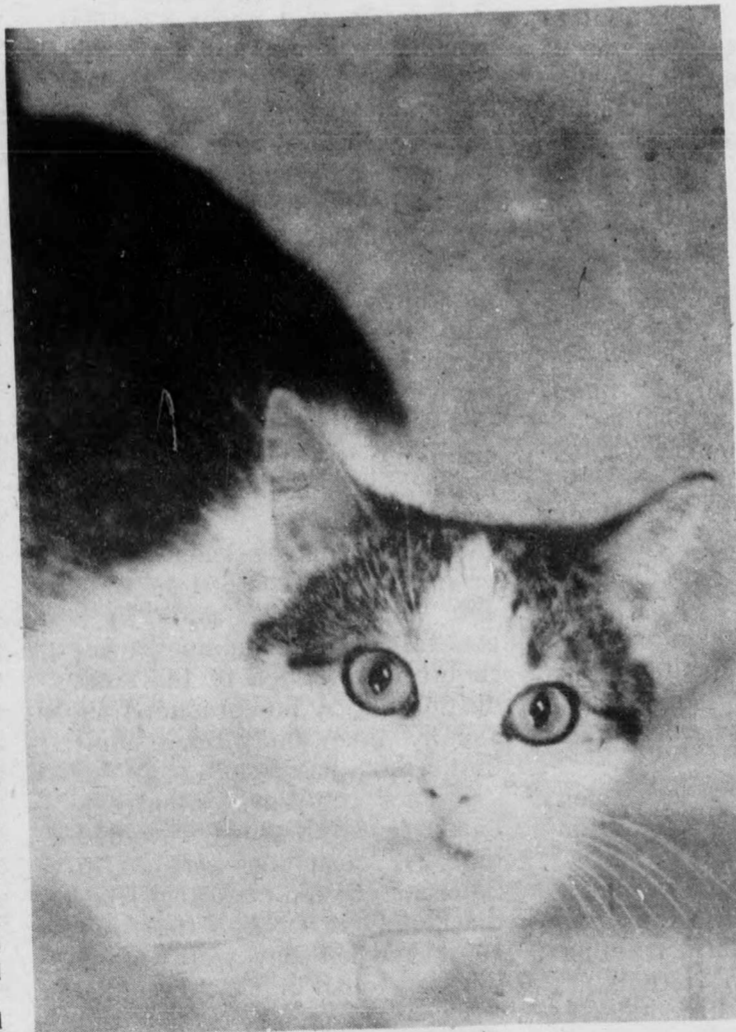
The income from \$900, bequeathed to the university by Marianne Grey Otty in memory of the late S. Leonard Peters, is given to the student with the highest standing in the first year of the mechanical engineering program.

Mr. Ferrari is the son of Mr. and Mrs. Leo C. Ferrari of 394 George Street, Fredericton.

The Dr. Katherine MacLaggan Memorial Scholarship was pre-

Student Liberals to meet Monday

There will be a meeting of the Student Liberals on Monday, January 13 at 6:30, room 102 of the Student Union Building. All members please attend. New members are welcome.



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Ferrari takes Peters Prize

sent to Barbara Lynn Steeves of Moncton at fall convocation at the University of New Brunswick.

Valued at \$500, the award is presented to a senior year nursing student who has obtained a high academic average in the junior year of the program and who demonstrates excellence in nursing practice.

Ms. Steeves is the daughter of Mr. Barbara C. Steeves of 91 Arlington Drive, Moncton, N.B.

Two Fredericton residents, Wendy Barbara Llambias and Janet Leslie Reid, and Brenda Joyce Christian of Newcastle, were presented with the Fred Magee Scholarships at fall convocation at the University of New Brunswick.

An annual prize of \$65 is given to each of the students. The three recipients are selected by the department of French for proficiency in both conversational and written French, one from each of the freshmen, sophomore and junior years of the course.

Ms. Llambias is the daughter of Mr. and Mrs. B.L. Robinson of 2020 "F" Street N.W., Washington,

D.C.: Ms. Reid is the daughter of Mrs. Isa Muriel Reid of 122 Henry Street, Fredericton; and Ms. Christian is the daughter of Mr. and Mrs. J. R. Christian of 18 Fraser Crescent, Newcastle, N.B.

Nancy Ellen Robinson of Fredericton was awarded the Dr. Berton C. Foster Memorial Scholarship and shared the Dr. C.C. Jones Memorial Scholarship with Catherine Ersilia DiPaulo of Minto this fall at the University of New Brunswick.

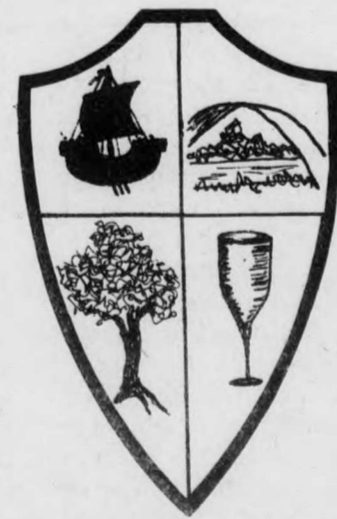
The Dr. Berton C. Foster Memorial Scholarship is valued at \$100 and is given to a Fredericton high school student who has achieved the highest academic standing in the freshman year.

The Dr. C.C. Jones Scholarship is open only to second year students who have achieved first division standing in Mathematics 1000, and general standing in all other subjects in first year.

Ms. Robison is the daughter of Mr. and Mrs. C. Edwin Robison of 235 Parkhurst Drive, Fredericton; and Ms. DiPaulo is the daughter of Mr. and Mrs. William DiPaulo of Minto, N.B.

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RIVERVIEW ARMS



- Del-Monte Steak & Chips - \$1.50
- Roast Beef Dinner \$1.50
- Clams & Chips \$1.50
- Chicken & Chips \$1.50
- Pizza 3 Items \$1.50

Every Wednesday Corn Beef & Cabbage

Photo by Steve Patriquen

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