

University News

Copy supplied by Department of Information

In the air, on the ground

CRESS looks at eclipse

Two observational teams from CRESS will be making eclipse observations on the Eastern Seaboard of Canada and the United States, Saturday.

In Nova Scotia, Professors G.G. Shepherd and R.A. Young with R. Berry will be using airborne and ground based photometers to observe intensity levels in the dayglow during solar eclipse conditions.

They will be making two series of observations. The first involves flying a two-channel rocket photometer in a light aircraft (Young's Cessna) to study oxygen emissions from the upper atmosphere. The airborne photometer when pointed at the zenith will 'see' light from inside and outside the shadow cone. The second set of observations will be made from a ground based photometer pointed at the dark side of the moon. The field of view will be entirely within the shadow cone.

Members of the second observational team, Professors R.W. Nicholls, F.J. Morgan and C.H. Dugan, are collaborating in a quadripartite rocket experiment, at Wallops Island, to photograph the flash spectrum of the sun in the vacuum ultraviolet and measure temperature variations from the sun's face to outer space.

For the past three years, scientists from Imperial College, London, and Harvard University have been collaborating with the York scientists in the planning and development of this particular research project. The experiment, conducted by the CRESS team, will

be flown from Wallops Island in an Aerobee Rocket with attitude control and is part of the Solar Satellite Project of Harvard College Observatory. Recovery of the payload from the Atlantic is essential to the success of the rocket experiment.



There are still a few spots on campus the planners' bulldozers haven't touched. EXCALIBUR photographer Dave Cooper found this one behind the Central Library.

Profs research handicapped

The departments of physical education and of psychology have recently embarked on a research program to investigate the relationship between perceptual-motor and cognitive development. The populations to be studied are children diagnosed as learning disabled, the neurologically handicapped and the mentally retarded.

Heading the project are psychology professor Harold Minden and Bryce Taylor, director of the department of physical education.

According to Minden, "we are developing excellent research facilities at York and hope to involve faculty, graduates and undergraduates on an interdisciplinary basis to develop and evaluate remedial programs."

Through the medium of movement activities the research team will concentrate on development of motor abilities, perceptual-motor and intellectual functioning. "We intend to examine the effects of multiple stimulation of the visual, auditory, kinesthetic and tactual senses on

learning. Children with learning difficulties seem to need additional cues in order to grasp a concept."

The trampoline, obstacle courses, cue cards, chalkboard exercises, pantomime plays and percussion instruments are utilized to not only improve perceptual-motor abilities but also for the development of arithmetic concepts, word recognition, spelling and reading.

Minden indicates that "when we toss objects into a barrel, we concentrate on hand-eye coordination, finger and hand manipulation; we discuss weight and distance; we ask how many fell into the barrel; we talk about heavier than and lighter than; and we refer to colour, shape and size." "One of our major premises is that for learning there is nothing sacred about a desk."

The movement oriented activities are concrete, interesting and meaningful to the children.

The programs are carried out in the Tait McKenzie Building utilizing the gymnasiums, swimming pool and a perception laboratory.

Although this program is the first organized activity of its kind on campus, York students have been working with perceptually handicapped and mentally retarded children for the past three years in clinics and schools off campus. There is no specific degree program in this combined area; however, the York students entering the field usually major in physical education, or psychology and take courses in normal and atypical child development and related subjects.

Response to the program has been most enthusiastic. Says Taylor, "Even students not in this field of endeavour come in to aid us in the training and therapy sessions. With such response, we will eventually be able to work with larger numbers of children."

UBC professor to speak here

Distinguished ecologist, professor C.S. Holling, director of the Institute of Animal Resource Ecology at the University of British Columbia will deliver the second Gerstein Lecture -- "The Ecology of Violence" at 8:15 p.m. in the Moot Courtroom, Osgoode Hall Law School next Wednesday.

Recipient in 1966 of the George Mercer award of the Ecological Society of America for the outstanding paper of the year in the field of ecology, Holling has become increasingly involved in the application of ecological concepts to a better understanding of the human circumstance.

Osgoode to get court records

Osgoode Hall Law School has been named an official repository for Ontario Court of Appeal case records. These documents which include written transcripts of evidence, memoranda, lawyers' points of argument, pleadings -- in fact all papers pertinent to the conduct of a case in the Court of Appeal -- will be of inestimable value to the whole teaching programme at the law school.

Faculty briefs

PROF. H.W. ARTHURS, Osgoode, is a member of a committee that is revising the Canons of Ethics of the Canadian Bar Association and is assisting a group of Canadian law teachers in the revision of a casebook on labor relations law.

PROF. STEPHEN BORINS, Osgoode is doing research for the Ontario Law Reform Commission in the evidence law area and is counsel to the McRuer Commission. Borins has been appointed director of the Canadian Judicial Seminar, effective September, 1970.

PROF. A.N. McLEOD, economics, Atkinson College, addressed a meeting of the Purchasing Management Association of Canada, Toronto District on "Problems and Prospects for the Canadian Economy in 1970" on Jan. 14, and presented the lead paper at a colloquium on the interests of the developing countries and international monetary reform sponsored by the Committee on Society, Development, and Peace (a joint committee of the World Council of Churches and the Pontifical Commission Justice and Peace) in Geneva, Feb. 27 - March 1.

PROF. ANDREAS PAPANDREOU, economics, spoke on "There's No Liberty Without Order" to the College Historical Society of Trinity College in Dublin, Ireland, March 4.

PROF. H.J. SCHUELER, foreign literature, has been awarded a Canada Council Research Grant for support of research on I.H. Pestolozzi (1746-1827) -- Swiss author and pedagogue.

On Campus

Thursday, March 5

CHRISTIAN SCIENCE ORGANIZATION. Meeting and discussion at 10 am in Room 114, McLaughlin and at 6 pm in Room 102 Vanier.

NOON HOUR CONCERT. Milestone, a rock group, plays at 1 pm in Vanier Dining Hall.

MORGAN. Although a humanities class, limited extra seating is available for this film. 7 pm in Room C, Stedman.

HARRIS AND PARTNERS LECTURE. Prof. Benjamin Higgins, University of Montreal, will speak on "Regional Disparities and Canada's National Economic Welfare". Open to the public. Room A, Stedman, at 8 pm.

GREEN BUSH INN. 8:30 pm to midnight. Central Square. 75¢ cover charge for non-members.

SELF-PORTRAIT, PARTS 3, 4, 5. A continuation of the films shown the previous week. Stedman, Room A, 5-7 pm.

MEETING... of 1st and 2nd year undergraduates who wish to transfer to Administrative Studies (BA honors business). Room N102 in the Ministry of Love at 3 pm.

WORKER-STUDENT ALLIANCE. Anyone interested in joining a study group based on WSA, contact Susan at 635-3773, or ask at the WSA book table.

GLENDON COLLEGE CONCERT. Stephanie Sebastian, pianist, recipient of a number of noted U.S. awards, one of the few pianists invited to perform during the opening of the Los Angeles Music Centre, who was chosen as soloist for the Young Peoples Concerts with Leonard Bernstein and the New York Philharmonic. Old Dining Hall at 7:45 pm.

PROF. FRITZ FISCHER, University of Hamburg, will speak on "New Perspectives on World War I" at 11 am in Room 118, Winters College.

PROF. EDWIN SILVERMAN, Boston University, will speak on "Blake's Paintings" at 4 pm in Room S137, Ministry of Love.

SYMPATHY FOR THE DEVIL with the Rolling Stones. Directed by Jean-Luc Godard. Sponsored by Frameworks in cooperation with the New Cinema of Toronto. Admission is \$1.50 for students with cards and \$2 for others. 2:30 pm, 8 pm and 10:30 pm in Burton.

Friday, March 6

POLLUTION FORUM. 1 pm in Winters JCR. Panel: George Kerr, Ontario minister of Energy and Resources Development; Fred Burr, NDP and critic of government policy on pollution; Larry Solway, CHUM; a representative from Gulf Oil Canada Ltd.; Stanley Burke is moderator.

A WINTERS DAY. Danceable rock with Manchild at 8:30 pm in Winters JCR. Ted and Charlee (folk) in the Sandbox. At 12:30 am an all-night record hop starts. Price is \$1.

COMPUTER MAPPING PROGRAMS. Tom Waugh, University of Edinburgh will speak on this subject at 2 pm in N301 in the Ministry of Love.

PROF. BENJAMIN HIGGINS. Scheduled to speak on Thursday on "Regional Disparities and Canadian National Economic Welfare", will be discussing this topic in more detail at 3 pm in Room S942 in the Ministry of Love.

GREEN BUSH INN. TGIF. 3 pm to 7 pm. Central Square. 75¢ cover charge for non-members.

Sunday, March 8

IN THE HEAT OF THE NIGHT. 7 pm and 9 pm in Room D, Stedman. Admission is 25¢.

BADMINTON CLUB. 2 pm to 4 pm. Upper gym in Tait McKenzie.

Monday, March 9

CONDITIONING FOR MEN. 12-12:30 pm in main gym Tait McKenzie (Monday, Wednesday and Friday.)

CONDITIONING FOR WOMEN. Same as for men but from 12:30-1 pm.

GURTON'S APOCALYPTIC NEEDLE. Canadian premiere of a new play performed by the Cafe La Mama Company of New York. Written and directed by Tom O'Horgan. 8:30 pm at Burton. Tickets are \$3.50 and \$2 for York students.

Tuesday, March 10

LEONARD EULER AND THE HEURISTIC CHARACTER OF SOME OF HIS WORKS. Prof. George Polya, Stanford University, 3 pm in Room S203 in the Ministry of Love.

STAFF ASSOCIATION. There will be a meeting to complete the business of the adjourned meeting to consider the formation of a staff association. Room D, Stedman, at 5 pm.

Wednesday, March 11

NOON HOUR CONCERT. Zoom, an electronic music group, plays at 1 pm in Winters Dining Hall.

L'ANNEE DERNIERE A MARIENBAD. 7 pm in Room A105, Glendon College. Free.

SOME METHODS FOR NOT PROVING THE RIEMANN HYPOTHESIS. a colloquium at 3 pm in Room N203 in the Ministry of Love. With Prof. George Polya of Stanford University. Refreshments afterwards in Room N524.

SOME RECENT ADVANCES IN COORDINATION CHEMISTRY. S. Trafiemko, Dupont, will speak. Room 317 in Petrie Science Building at 4:30 pm.

ENVIRONMENT by Michael Hayden. "Creative Catering". From March 9-26, Vanier, Room 258. Open Monday to Friday from 9 am to 5 pm.

ART EXHIBIT in Winters College gallery until March 14. Done by students and staff.

Gerstein Lecture Series

Tradition and Revolution

The Ecology of Balance

Prof. C. S. Holling

Wednesday, March 11

8:15 pm,

Osgoode Hall Moot Court