

UPCUMIN[®]

FRIDAY, MARCH 10

STU RELIGIOUS STUDIES DEPARTMENT PRESENTS: Dr. J. Bruce Long, of Cornell University, will lecture on "Visions of Terror and Bliss: Two Sides of God in Hindu Mythology"; Edmund Casey Hall auditorium, 12:30 p.m.
UNB CHRISTIAN FELLOWSHIP MEETING: 7:30 p.m. Toole Hall Rm. 304 All Welcome

L.B.R. DISCO: 8:30 til ?

el CLUB ESPANOL PRESENTS: Dance 9:00 look for posters

OPEN HOUSE: Vocational Education Division of the UNB Faculty of Education March 10 & 11. A variety of displays and demonstrations in Home Economics, Business Education and vocational-industrial education can be seen at Marshall D'avray Hall, Fredericton Campus, between noon and 8 p.m. Friday, and 11 a.m. and 3 p.m. Saturday

GILBERT AND SULLIVAN OPERETTA: "The Gondoliers"; The Playhouse, 8 p.m. Tickets available from G. & S. Society members. March 10 & 11.

SATURDAY, MARCH 11

N.B. AGE GROUP SWIMMING CHAMPIONSHIPS: Sir Max Aitken Pool, 8:30 a.m. - 4 p.m. and 6 p.m. - 10 p.m. Also March 12.

OVERSEAS CHINESE STUDENTS ASSOCIATION MEETING: SUB, Rm. 6, 8 p.m.

CARIBBEAN CIRCLE "BIG BAMBOO" night: SUB, Rm .201, 9 p.m.

MONTE CARLO: A night of gambling and merrymaking 9:00 Lady Dunn dining hall \$1.50 for Forestry Association members; \$2.00 others. Prizes donated by local merchants.

HALIFAX FLYING WHEELS vs New Brunswick All Stars March 11 8:00 p.m. March 12 1:00 p.m.

SUNDAY, MARCH 12

RECEPTION FOR ANNUAL EXHIBITION OF UNB CAMERA CLUB: Art Centre, Memorial Hall, 2 - 4 p.m.

FILM: *Gone with the Wind* Tilley Hall, Rm. 102, 7 and 9 p.m. Students \$1; others \$2.

STU CINEMAS PRESENTS: "Monty Python in Holy Grail" EC auditorium 2:00 and 8:00 p.m. admission \$1.00

MONDAY, MARCH 13

UNB/SRC MEETING: SUB, Rm. 103, 6:30 p.m.

VOLLEYBALL CHSR vs BRUNS 6:30 p.m. LB West Gym

THE FREDERICTON CHAMBER ORCHESTRA will perform Franz Joseph Haydn's 'mass in time of war' in April, 1978. A full chorus is needed for this work and the first rehearsal will be on Monday January 23 1978 at 7:30 p.m. in room 143 of Marshall D'Avray on the UNB campus. All interested singers are invited to join - no audition is necessary. The conductor is Mr. Neil Houlton and rehearsals will be regularly held on Monday evenings. For more information - contact Colin Mailer at 102 Southampton Drive, Fredericton (454-6097) or (453-4723).

TUESDAY, MARCH 14

WORD — Bible Study, Prayer, Special Speaker — TV Room (116), SUB, 8:30 - 9:15 a.m.

NOONTIME RECITAL: d'Avray Hall Prof. R.C. Bayley in a Programme of Original Works. Prof. D. London, Baritone and Prof. H. Cowan, Tenor will assist Auditorium 143 12:35 All Welcome.

FOLK COLLECTIVE: final meeting of this year, at 7:30 in Room 6 of the SUB. Election and planning for next year — Everybody is welcome!

THE P.S.S.A. AND THE POLITICAL SCIENCE DEPT PRESENTS: David Lewis, Professor of Political Science at Carleton University and former leader of the NDP, speaking on "The Future of the NDP in Canada" in the Dineen auditorium in Head Hall. All members of the University community and the general public are invited to attend.

WEDNESDAY, MARCH 15

PEER CONTRACEPTIVE COUNSELLORS: meeting 12:30 in downstairs office, Health Centre. All Counsellors please attend.

THURSDAY, MARCH 16

HOPE — Bible Study, Prayer, Discussion — TV Room (116), SUB, 8:30 - 9:15 a.m.

EUS MOVIE — Fun with Dick and Jane 7:00 & 9:00 p.m. HH-C-13 EUS member \$1.25; Non members \$1.50

FRIDAY, MARCH 17

MARITIME CONTEMPORARY DANCE CO: 8:15 Playhouse. Tickets free to UNB and STU students. Tickets available at SUB Info Office and Playhouse. Other admissions \$3.50 adults; 2.50 children and school students. Also the March 18

MONDAY, MARCH 20

A MEETING OF THE STUDENT DISCIPLINARY COMMITTEE will be held Room 203, SUB, 7:00 p.m. to hear charges of alleged violations of the Disciplinary Code.

... that Is The Question

lubricating oil. The seals whiskers may also be made into brushes.

Seals of all ages are hunted and the only type of fur which is commercially valuable is that of the harp pup before it begins to moult. The present pup exploitation rate of 41 percent is below the current estimate of sustainable yield of 45 percent.

The other coarse rough pelts make practical jackets, gloves, and boots though their appearance is not especially desirable. Tanning the pelts produces a leather superior to that manufactured from cow hides due to its completely waterproof quality.

Man utilizes seal as a food source and a clothing source. Hence man is both a competitor with a predator of seals.

The general deterioration of temperature conditions over past decades suggests capelin production is lower now than formerly.

Defining ecological efficiency as an organism's yield or weight divided by its food intake, it is found that the seals efficiency is 0.5 percent. An organism with a higher yield per pound of intake would be a more efficient converter of fish flesh. Although often found on the same trophic level, cod compares more favorably with this figure.

The seal herd has demonstrated its resilience notably in periods of decreased hunting such as wartime. The population numbers attained in the 1950's were so great that intraspecific hostility arose and many animals showed decreased fat thickness and wounds from intense competition. Hence, it is seen that the population is food limited.

A thinning of the population showed increased fat thickness and improved pelt condition. As a response to constant hunting pressure, the age of first maturity in females dropped causing an increase in pup production with more females able to produce offspring. Also the animals showed increased growth rates, producing members superior in hardness to members of historical herds at the same age.

Summary and Conclusions:

The seal herd which breed off

Newfoundland have withstood two centuries of hunting and are still relatively plentiful although stocks have been reduced from historical levels.

There is no danger of extinction of the seal population and the overall hunting rate is lower than the estimated pup production rate.

Substantial increases in seal population would decrease the quality of the members and also exert increased pressure on its competitors.

Certainly over-exploitation of the seal would not be advocated, as seals have their place in the ecosystem supporting predators including man.

Using the quota-catch system, only a certain number of each type of seals may be taken each year. The size of the population and quota is determined each year within a long range policy regarding seal numbers. Employing the quota-catch system, the seal herds may be managed to maintain a balance with other marine life.

Overfishing by foreign fleets on the Grand Banks has depleted fish stocks inshore and offshore. Despite increases in technology, the pounds of fish caught per unit effort has been decreasing. At present, if any population would be endangered it is the fish stocks, notably cod.

It is not proposed that the seal level be brought to a disastrously low level as with the cod, but that the interaction of the prey and predator be considered when setting quotas. A carefully controlled seal hunt is necessary for the proper management of both the seal herds and the Atlantic fishery.

Because man exerts a pressure on the fish stocks, thus competing with the seals, he must be prepared to apply some form of pressure on the seals, such as hunting, or accept a reduction in his own numbers.

The human being is a functional part of the ecosystem and any dynamic equilibrium obtained must include humans. Humans and other biological organisms cannot be separated in good natural resource management.

Applications

Applications are now being accepted for positions as:

Assistant comptroller
SUB Board of Directors
Campus Police Chief
Campus Police Assistant Chiefs
Winter Carnival Chairperson
Yearbook Co-Editors (1978-79)

Forward applications to Brian Pryde
c/o SRC Office rm. 126 SUB

Applications close
March 16, 1978