For winter's rains and ruins are over,
And all the season of snows and sins;
The days dividing lover and lover,
The light that loses, the night that wins;
And time remembered is grief forgotten,
And frosts are slain and flowers begotten,
And in green underwood and cover
Blossom by blossom the spring begins.

--Swinburne, 1865, Harvard Magazine

NEW ZEALAND JANUARY TERM

Just a reminder that Sr. Phyllis Printenberg is still looking for interested students to accompany her to New Zealand.

What's In A Name?

Cowslips take their name from the Old English cu-slyppe (cow dung), because they grow well in the pastures.
Daisies are the day's eyes of Old English.
Gladioli were named for the gladius, a short sword used by the Romans.
Larkspurs were named after the spur, a straight, long hind claw of the lark.
Pansies, to the French, looked thoughtful: penseer--pansey.
Phlox, meaning flame in Greek, glow like flames from the ground.
Tulips resemble the turbans worn in Turkey or tulbend in Turkish.

AIDS LECTURE

Ms. Linda Sause, Nurse Clinician for the Stearns County Community Health Services, recently presented a lecture entitled, "Aids: An Update." Ms. Sause described what causes acquired immune deficiency syndrome, how it affects its victims, virus transmission, and a prognosis for the future.

Aids is caused by the HIV virus which destroys helper T cells in the immune system. Since helper T cells direct the immune response against infection, the body falls prey to a variety of opportunistic diseases (i.e. pneumocystis carinii and Karpson's sarcoma). The virus is particularly insidious because it can reside for varying periods inside cells without causing any observable symptoms. Un-fortunately, during this time an infected individual can unknowingly transmit the virus to others. The main routes of the transmission are through infected semen, blood and vaginal secretions.

There is no effective treatment or care for HIV. And, it will be a long while before a vaccine is developed. In the meantime, the best defense against the virus is education.

ONCOLOGY POSITION

There is a possible full-time position available August 1988 in the Oncology division, Department of Internal Medicine, U. of M. Hospitals. For more information, contact Dr. Henry.
PRARIE CHICKEN CONFERENCE

Yes, there really is a Prairie Chicken Society! Their spring meeting, attended by Professor Zaczkowski, was held at the Big Portage Nature Center near Pine River. This bird of the open grasslands, once abundant on north central Minnesota has greatly diminished in number. Concerned with their demise, the Society is now instrumental in initiating programs for habitat restoration. By using fire, shrubland and aspen forests are being replaced with prairie vegetation. Now, a leisurely two hour drive from our campus will put you on "chicken" booming grounds.

HAWAIIAN RESEARCH

Sister Phyllis Plantenberg will spend the summer at the University of Hawaii, Honolulu. She was invited by Dr. M. Hadfield to continue research on the metamorphosis of the sea slug, Ehestilla subobigia, in response to an artificial inducer substance (choline chloride).

NOTE TO BIOLOGY MAJORS

Biology majors are reminded that beginning in the Fall, Biological Literature replaces the Journal Club requirement. Biological Literature is a one night course which focuses on library skills and accessing biological information.

NATURE VERSUS NURTURE

A recent CSB/SJU Forum debate addressed the motion, "Human social behavior is predominantly genetically determined." The affirmative side argued that in many studies including those of animal behavior, twins and adopted children separated at birth suggested a strong genetic component to the determination of behavior. In contrast, the negative side stressed that the environment was more important and that there was a lack of concrete evidence supporting the geneticists claims.

WHERE HAVE ALL THE FLOWERS GONE?

"Where Have All The Flowers Gone?" This protest song of the 50's is most appropriate for this spring of '88. Starting with the warm snowless winter of '86-'87, the precipitation has been many inches below normal in central Minnesota. The drought is now showing in the lateness and scarceness of our native woodland flowers. The priceless morel will be rarer than ever.

WATER CONFERENCE

Lake Superior, the greatest body of water on planet Earth, was the focus of a conference attended by Professor Zaczkowski in Duluth, Minnesota. The conference was concerned with both the political and environmental issues of the Lake Superior Basin. The theme of the conference was set by Dr. Charles Goldman, limnologist from the U. of California, Davis, who traced the sequence of eutrophication in Lake Tahoe and subsequent action taken to reduce it. It is generally agreed that Lake Superior is still in a near pristine condition with little surface pollution from the relatively small and low populated watershed. Airborne chemicals present the major problems making the solution global in scope.

The CSB Faculty Development Committee funded Zaczkowski's attendance. The subject matter will be of use in his course Aquatic Ecology.

BIOFEEDBACK

Biofeedback is a publication of the Biology Club and Biology Department of St. John's University and the College of St. Benedict. Send contributions for publication to one of the editors.

Faculty Editor: Dr. S. G. Sauge
Student Editor: John Besson

BioClub Officers
Co-Presidents: Eric Christensen & Allan Brousseau
Treasurer: Carla Consmius
Secretary: Barb Stiller
Public Relations: Joan Rabaey & Rachel Tolson
Congratulations

GRADUATES OF 1988:

Tiana Nowotczynski
Rose Crain
Laura Dingels
Pamela Eaton
Brenda Rick
Barbara Stiller
Michelle Thoemke
Paticia Wentz
Suzanne Beron
Nancy Hutchinson
Kim Peterson
Pierre Bernard
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Troy Loeb
Timothy Mcglennen
Jerry Merkel
John Murphy
Scott Nugent
Brian Perry
Christopher Pizinger
Charles Scott
John Stokes
Christopher Thone
Michael Throlson
James White
Kitrick Wulf
BROTHER RESEARCH

Brian Perry, SJU Senior Biology major, presented a seminar entitled, "Susceptibility of Rotifers to predation by Mesocyclops edax and Asplanchna girodi." Brian's research, which was supervised by Dr. E. Wurdak, examined predator/prey relationships between various rotifer species and their predators. He was attempting to determine why natural rotifer populations undergo boom and bust fluctuations.

FUTURE PLANS

We want to wish all our graduating seniors happiness and success in their post-graduate endeavors. We have learned about a few students and want to share their plans (we apologize for any errors or omissions). In no particular order:

Barbara Stiller - graduate studies in Entomology at the U. of M., St. Paul. She was awarded research assistantship.

Patricia Wentz - will work at the Mayo Clinic, Rochester, this summer

Michelle Thoemke - graduate studies in Plant Physiology at U. of M., St. Paul

Kelly Swearingen - medical studies at the U. of M. Medical School

Shawn Kruse - graduate studies in Public Health, U. of M.

Brian Kobienia - medical studies at the U. of M.

Scott Nugent - application to the Peace Corps pending

Laura Dingels - graduate school in Business Management

Kim Peterson - alternate at the U. of Wisconsin Veterinary School

Stephen Carlisle - Medical School at the U. of M., Mayo, or U. of Wisconsin

John Ellis - Lilly Lilly Pharmaceutical Sales Representative

Thomas Kowalkowski - one more semester to go

Brian Perry - Medical School at the U. of Nebraska

James White - travel then Graduate or Medical School

Rose Crain - Phys. Therapy application pending

Pamela Eaton - job hunting in Tennessee

Patrick Jennrich - U. of M. Vet School

Troy Loeb - U.S. Army Officer

Christopher Thone - U.S. Army Officer

Kitrick Wulf - U.S. Army Officer

Paul Mueller - looking into Peace Corps

John Kresowski - Dental School

GENETIC SCREENING LECTURE

Dr. Gordon Dewald, Director of the Cytogenetics Lab at the Mayo Clinic, Rochester, visited CSB/SJU to present a talk entitled, "Genetic Screening: Pros versus Cons." Dr. Dewald described the biology and ethical issues concerning screening for a variety of genetic diseases including sickle cell anemia, Huntington's chorea, phenylketonuria, and Down's syndrome. For example, what do we tell carriers of Huntington's disease who face an early death when medicine can do little to help them?

Have A Good Summer!

We wish you a profitable, relaxing and an enjoyable summer.

BIOLOGY CLUB NOTES

The BioClub thanks everyone for their support and participation this year. We are looking forward to an equally great year in 1988-1989. One project we are looking into for next year is recycling in the dorms. Our officers for next year will be:

Co-Presidents - Jill Eversman

Jenifer Bankers

Treasurer - Pat Troy

Secretary - Belinda Miller

Public Relations - Katie Coldren

Katherine Brotz

BioFeedback - Carla Consemius

John Benson

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