

ATTENTION SENIORS!

Graduation pictures will be conducted on campus by HECKBERT STUDIOS on:

Monday, October 31
Tuesday, November 1
Wednesday, November 2

from approximately 9:00am - 6:00pm. Pictures will be taken in 15 minute sessions in Bernadine Hall, 4th floor Study Room.

HECKBERT STUDIOS will provide each graduate, at the time of his/her sitting:

- a black graduation gown;
- the appropriate graduation hood for his/her faculty;
- make-up for males and females;
- white shirts and black bowties for males;
- corsages for females;

If you are going to have your graduation picture taken by HECKBERT STUDIOS, please sign your name in the appropriate time slot on the sign-up sheets, located on the wall behind the INFORMATION DESK in 'The Pit' of Robertson Library BEFORE 12:00 noon Friday, October 28, 1988. The sheets will be put on the wall Friday, October 21, 1988. There is a \$12 sitting fee required at the time of your sitting. Please arrive at Bernadine Hall 15 minutes prior to your sitting time with your \$12 sitting fee.

If you would rather have your graduation pictures taken by BOILY PHOTO, please sign your name to the general sign-up sheet for BOILY PHOTO (note, there are no time slots). The sheet is located on the wall behind the INFORMATION DESK in 'The Pit' of Robertson Library. Please sign BEFORE 12:00 noon on Friday, October 21, 1988. If enough students are interested in having their pictures taken by BOILY PHOTO, the photographer will come to campus for a day. If not, you will have to arrange the appointment yourself. You will be contacted before November 4, 1988 regarding the procedure BOILY PHOTO will be following.

UPCOMING EVENTS

Date: Friday, October 21
 Time: 1:00pm - 6:00pm
 Place: Panther Lounge
 Senior Class Movie Pub

MOVIES: 1) Moonstruck
 2) Planes, Trains, and Automobiles

There will be a 50/50 draw and everyone 19 years and over is welcome.

Date: Saturday, October 22
 Time: 4:00pm - 7:00pm
 Place: Panther Lounge

Chili party sponsored by the Senior Class. A good chance to warm up and enjoy a meal after the Panther Soccer game before the Panther Hockey game. Everyone 19 years and over is welcome.

Date: Friday, October 28
 Time: 12:00pm
 Place: The Pit

Deadline to sign-up for graduation pictures HECKBERT STUDIOS and BOILY PHOTO.

Date: Friday, October 28

Time: 2:30pm
 Place: Room 135, Main Building

Meeting for Seniors regarding scholarships for graduate study.

Date: Monday, October 31
 Time: 4:00pm
 Place: Registrar's Office

Deadline for submission of names for candidates for honorary degrees to be conferred at Convocation in May, 1989. Submissions must be sent to the Registrar and contain:

-supporting documentation, such as an updated *curriculum vitae*, at least of a preliminary nature;

-with a care for the fact that the nominee may be asked to address Convocation.

Date: Monday, October 31
 Tuesday, November 1
 Wednesday, November 2
 Time: 9:00am - 6:00pm

Place: Bernadine Hall, 4th floor Study Room

HECKBERT STUDIOS will be conducting graduation pictures.

Good luck with studies and please support your Senior Class. Remember: 'It's YOUR Senior Week!'

Lisa Doyle
 President



Photo: Dave Deveau

Is this your idea of alien intelligence?

Reprinted from The Gazette

Extraterrestrial intelligence explored

by Shelly Galliah

Some people may believe that the definition of Extra Terrestrial Intelligence (ETI) is accurately portrayed by furry, cynical ALF while others prefer to envision lovable film star ET as the description of this alien life. Whatever your ideas of alien life are, the likelihood of the existence of ETI is very real, according to astronomer Dr. Philip E. Barnhart.

Barnhart, of the Department of Physics and Astronomy at Otterbein College in Westville Ontario, spoke last week at Saint Mary's University about the quest for ETI. Barnhart, a solar astronomer and physics teacher, has recently been involved in the recovery of lost satellites. Although he approached the subject with modesty, commenting that he was not a philosopher trained to deal with such worldly matters, his discussion proved to be both captivating and enlightening.

Barnhart stressed that it is foolish, even vain, to assume that earth contains the only intelligent life in the universe. The earth is an insignificant planet in a universe consisting of billions of galaxies, each of which is composed of billions of stars. He emphasized the modern cosmology principle where the universe is considered to be "homogenous in space and time." Therefore, nothing in the universe can be

unique and, as Barnhart stated, "the intelligent life that earth possesses can not violate this maxim."

Barnhart elaborated on a few hypotheses proposed on the probability of ETI. He referred to an early biological experiment by pioneer scientist ???? Miller, where he tried to recreate the conditions of the primordial atmosphere by placing various compounds in an isolated chamber and exposing these to electricity. The end result was the production of many of the building blocks required to create life. Barnhart said that it was possible for these organic compounds to be created on other stars. Considering our galaxy has been around for ten billion years and the earth itself is a youthful five billion years old, there is a high probability that life as complicated as ours exists elsewhere in the universe.

The search for this ETI is an expensive one, involving both time and money. A few of the various strategies to conduct this search as aiming large antennae at the nearby stars or monitoring the entire sky. These methods are either economically costly or not feasible in our lifetime. Barnhart chooses not to use either of these approaches in his study, which he conducts at the Radio Observatory of Ohio State University. The search is performed with the world's largest and most efficient radio telescope. Although the entire project operates on a zero budget and is managed entirely by volun-

teers, Barnhart does not complain, implying that he is motivated by the intrinsic quality of his work.

Barnhart is researching the concept of the "water hole", which is best described as a window or calm spot in the background noise present in the universe. It is at this point of cosmic commotion that communication to and from an extra terrestrial source is most likely to be detected. Barnhart's study involves an automated survey to identify the occasional signal on this water hole. Scientifically, the term refers to a frequency between microwave radiation emitted by ions H and OH which combine to form water - hence the name, "water hole". Barnhart finds a deeper meaning. As an oasis in an arid desert causes animals to gather, the water hole will serve as a "common ground, a place that extra terrestrial cultures will seek and come together."

Recently, there have been protocols developed governing the behaviour of scientists who first encounter this ETI - an event which Barnhart believes will be "one of the most significant discoveries in modern science." Of course there are skeptics who scoff at the likelihood of such life existing, or the possibility of us ever finding it in this millennium. But if we on earth are really the "intellectual infants of the universe" that Barnhart suggests we are, that "prove it to me" attitude is not too surprising.