1978


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A Cure for Metal Poisoning

Breakthrough in Hope Labs

An “impossible” feat—the complete removal of radioactive plutonium, one of the most poisonous substances known, from the bodies of animals has been achieved by Hope College science faculty members.

This unprecedented accomplishment included completely successful treatment of poisoning from non-radioactive metals such as cadmium, which poses serious environmental and industrial hazards.

As reported in the Sept. 28 issue of Nature, the prestigious international science journal and announced at a on-campus press conference, professors Jack Schubert and S. Krogh DeRoo, with support from the United States Department of Energy, applied a new treatment for metal poisonings based on concepts developed previously by Dr. Schubert called mixed ligand chelate (MLC) therapy.

Mixed ligand chelation therapy opens a new era in the treatment of metal poisoning, according to Drs. Schubert and DeRoo. They also stressed the importance of MLC formation in many areas of fundamental importance—the transport of metals from soils to food, the role of metals in health and disease, and the mechanism of cancer induction by radioactive isotopes.

Serious environmental and industrial hazards associated with this release of radioactive and non-radioactive metals are becoming an increasing threat to mankind, and up to now they have been satisfied by treatments for metal poisoning, said Dr. Schubert.

“Our research to date has resulted in hitherto unparalleled achievements using MLC treatment, namely complete removal of tissue deposits of plutonium and prevention of mortality in animals given lethal doses of cadmium.”

One component of the revolutionary new treatment includes salicylic acid, the active ingredient of aspirin.

Current treatment for plutonium and other metal poisons utilizes molecules called chelating agents which seize and hold a metal ion in a clawlike grip (Chele from the Greek meaning claw). The stronger the grip, the more effectively the chelating agent removes metal from tissue. In mixed ligand chelation therapy, a selected combination of two chelating agents is chosen so that both grip the same metal together forming a single unit. This results in an astonishing increase, sometimes in the trillions, in the strength with which the metal is held compared to chelating agents such as EDTA and DTPA which are currently used to treat people.

Two of the most effective mixed ligand chelate systems tested by Drs. Schubert and DeRoo are combinations of EDTA plus salicylic acid for cadmium, and DTPA plus salicylic acid for plutonium. In one of their experiments, Drs. Schubert and DeRoo injected mice with a solution of plutonium salt. Three days later they began treatment twice weekly by injecting the mice with a solution containing a mixture of DTPA plus salicylic acid. Within two weeks, all of the plutonium in the bone and liver had been chelated and then eliminated in the urine and feces. This result has never been attained or approached by any other treatment.

“We are not talking about a difference of decimal points. We’re talking about something of great magnitude,” Schubert said during the press conference.

In experiments with non-radioactive elements, mice were given 100% lethal doses of salts or metals such as cadmium, nickel, iron, and copper. The animals given currently-recommended chelating agents all died, while those given ligand chelate treatment survived.

Schubert and DeRoo’s research has implications for treating certain genetic diseases, such as Wilson’s Disease, in which an abnormal amount of copper resides in the body.

By a reverse application, MLC therapy could also be used to treat acute poisoning, a major cause of accidental death among children under two years of age.

MCL therapy could also be used in provocative treatment to determine the amount of radioactive plutonium built up in the bodies of those regularly exposed to the substance, such as atomic power plant workers.

Dr. Schubert came to Hope in 1977 as professor of environmental health sciences. He is a member of both the biology and chemistry departments. He is internationally known for his scientific accomplishments in radiation chemistry and radiation biology and in the theory and practice of chelation treatments for metal poisonings.

A native of Chicago, he continued on page two.

Health Dynamics Diary: The Testing Begins

This issue of News from Hope College continues with excerpts from the daily journal of Dirk DeRoo, a freshman from Orlando, Fla., enrolled in the new Hope-Kellogg Health Dynamics program. During the past weeks, Health Dynamics participants have engaged in the academic component of the course, receiving accurate information on diet, nutrition, and the effects of regular exercise. The knowledge gained in class prompted Dirk to begin choosing more nutritious foods atSaga and in mid-September he set a goal of running a mile each day. Although studies pointed Dirk’s running activity, he was able to take time out several times each week for this activity. His initial time was 6 minutes 30 seconds, and he hopes to cut that by at least a minute before the semester ends.

Although Dirk had gained much new information on health, a true false quiz in late September proved there was more to learn.

Sept. 27, 1976: "Some experts believe that diet-related diseases will be the number one health problem in the U.S., unless radical changes are made in people’s diets."

Answered true from the information I’ve
Expand Pre-engineering Program Course Offerings

The first indication of Hope's expanded program in pre-engineering education was made last fall when an engineer, Dr. Robert Norton, was added to the faculty. The second indication has been the introduction of two new courses to the spring semester class schedule.

The new courses complement a pre-engineering laboratory Hope has offered for many years to students who want to become engineers. In cooperation with several leading universities, Hope students can earn, within a two-year span, both a liberal arts education and professional engineering training. Participants in these programs earn the bachelor's degree from Hope and either a bachelor's or master's degree (depending on the program elected) in engineering from the cooperating institution.

These traditional programs, known as the 3-2 and 4-1, will continue unchanged. However, the presence of Dr. Norton and his new courses will more fully prepare Hope students for their subsequent work at engineering schools.

The two courses will initially consist primarily of lectures, with practical experience gained through visits to local industrial organizations and through demonstration experiments. Norton's points concern the fact that an engineering laboratory requires expensive equipment. However, the absence of a lab is not seen as a lack in Hope's program by Norton since students at engineering schools normally do not carry out laboratory work at an advanced undergraduate level. The college is actively seeking funding and gifts of equipment which will allow the laboratory to be expanded.

Dr. Sheldon Wettack, dean for the natural and social sciences, points out that in addition to better preparing students for engineering schools, the new courses also give students exposure to engineering at an early point in their academic careers. In the past Hope offered graduate work to engineers from other institutions, but because of the student's interest in these programs, the college had to take it into consideration. Hope's program is now more in line with actual engineering coursework.

Another objective of the new courses is to expose the basic science student to the techniques, capabilities and limitations of engineers. Engineers have a mind-set that all other engineers have.
The formal dedication of the new Dow Health and Physical Education Center occurred inside the spacious $3.6 million facility, but it was an outdoors activity over Homecoming weekend that truly demonstrated the philosophy behind the building.

An estimated 700 people participated in the first Hope Run-Bike-Swim, a marathon-of-sorts designed to appeal to the competitor as well as the person interested in running, biking or swimming at the recreational level.

Conceived by Glenn Van Wieren of the physical education faculty and supported through a grant from ODL, Inc. of Zeeland, Mich., the Run-Bike-Swim attracted the young and old, the fit and the not-so-fit. Mother pushed infants in strollers along the one-mile run and/or walk course. Another ingenious fellow covered the 10,000 meter competitive running course on roller skates.

There was lots of splashing in Kresge Natatorium as competitors raced 800 meters while others participated in a fitness fun swim. Cyclists covered a 10,000 meter course while recreationalists followed a 12-mile scenic lake tour.

Everyone went home a winner. The top finishers received wooden shoe trophies (what else?) while all competitors received commemorative Hope Run-Bike-Swim t-shirts and patches.

The positive response to the event has caused the physical education staff to investigate the possibility of making it an annual Homecoming weekend event.
A Continual Striving for Balance

by George Ralph
Chairman, Department of Theatre

Balance: surely one key principle in establishing any performing arts program. A single theatre season must ensure balance in terms of "light" versus "heavy" shows, a variety with respect to comedy and tragedy and that in-between range of what we tend to call simply "drama." And this balance must be sought with both the theatre's particular public and the capabilities of the company and staff—here the students and their teachers, directors and coaches—in mind. Of no little significance in determining the appropriate balance are budgetary considerations, and the technical requirements of each production in a season's series. Fifty elaborate period costumes to be designed and constructed for each of these shows in a row will kill off the members of a costume department before the season is even well under way.

Balance is a critical factor in planning beyond the single season. Since the middle of our fall semester, Hope College's Theatre Council (the faculty, staff, and elected student representatives) has been at work to establish both the 1978 summer repertory season and the 1978-79 academic-year, or "winter," season. Of special concern in this process is providing our audience with a stimulating variety of plays representing the best of contemporary works and the important historical periods of theatre history, as well as giving our students and faculty an opportunity to explore their educational and informative range in theatrical styles and traditions. To achieve the latter purpose, the theatre department has for the last several years checked its proposed yearly season against a "four-year plan" which specifies the kinds of productions every student is expected to have an opportunity to perform as part of his or her four-year undergraduate liberal arts career.

And we have just this year addressed the problem of balance in our program in another respect. Our goal of bringing theatre of quality and variety to the campus and to the larger Holland-area communities must always be viewed against, or in the context of, our obligation to train our major students in the arts and skills which they will hope to develop further in graduate programs or to apply out there in the "real world." The four productions we have mounted each academic year have required that we begin to be concerned with "polishing" our product for our paying audience almost as soon as work on each show has started. This series of "opening" deadlines, of course, has severely limited the time our staff and students have had to explore a script, as well as created a particularly exhausting schedule for both on-stage and backstage personnel.

In order not to short-change our students, who thus early in their careers require time for learning and artistic maturation, this year we have reduced our public performance commitments from four to two productions. Each semester, as in the past, two productions are "staged," but the second show is not scheduled for performance. The entire term can be devoted to making discoveries about the play and about the process of moving from casting through rehearsal to the final performed "product." As the option of the director and the company, any of these plays may be presented at the end of the working period, be presented for a small audience, or for the general public. But there is no longer the pressure to meet an opening-night deadline, and the educational worth of the experience may be acknowledged and the show then simply dropped.

The benefits of the new season accrue also to the productions scheduled for public performance, in the longer period available for their rehearsal and design, and consequently to the viewing public and the students who will be given more performances than were possible under the former schedule.

To take advantage of the greater flexibility and opportunity under the new program, two particularly difficult and challenging dramas have been chosen for the current season. In November and December the Hope College Theatre presented Henrik Ibsen's The Wild Duck, during the year commemorating the 150th anniversary of the Norwegian dramatist's birth. The student cast spent long hours during the fall term and during winter break preparing the play for the audience, and the +

James Cook of the Western Theological Seminary faculty, Daniel Vander Ark of the English staff at Holland Christian High School, and Hope alumni Jackie Donnelly—expanding ways of assisting our students in coming to grips with social and ethical issues raised in the plays presented in the college theatre. The discussion which they led followed the December performances of The Wild Duck explored the playwright's thematic use of blindness and darkness, and the question of whether a "life-line" may be more useful than knowing all truths.

The second-semester production, in late March and early April, will be The Tempest. This late Elizabethan tragedy, Shakespeare's will call for an elaborate setting and visual effects, and will employ original music composed for Hope's production and original photography created by two guest artists-in-residence who have yet to be named.

The financial support provided through the Hope Theatre Patrons Program makes possible such special projects as the guest theatre artist series, awards to students recognizing superior achievement in theatre art, and the acquisition of technical equipment, as well as general support of the Hope Summer Repertory Theatre. The Hope Theatre Patrons Program has been greatly expanded and diversified in recent years, and has been very successful in providing a schedule of varied productions offered to the public for a nominal admission charge.
Arts Calendar

JANUARY
19 Grand Rapids Woodwind Quintet; Wickers Auditorium, 8 p.m.
25 Young Concert Artists; Robert Rouch, hornist; Wickers Auditorium, 8 p.m.

FEBRUARY
1 Student Recital; Dimmitt Chapel, 7 p.m.
2 Early Music Ensemble; Wickers Auditorium, 8 p.m.
8 Young Concert Artist; Chang Kogen, violinist; Dimmitt Chapel, 8 p.m.
9 Student Recital; Tom Langjans, percussionist & Jan Poppen, soprano; Wickers Auditorium, 8 p.m.
11 Faculty Chamber Music Concert; Wickers Auditorium, 4 p.m.
16 Student Recital; Carolyn McGahee, soprano; Wickers Auditorium, 8 p.m.
18 Delta Omicron Musical; Wickers Auditorium, 4 p.m.

MARCH
1 Guest Recital; Barbara Lynn Norland, organist; Dimmitt Chapel, 8 p.m.
4 Guest Recital; William Kraiger, hornist; Wickers Auditorium, 8 p.m.
6 Great Performance Series; Ralph Votapka, pianist; Dimmitt Chapel, 8 p.m.
8 Student Recital; Dimmitt Chapel, 8 p.m.
11 Faculty Chamber Music Concert; Wickers Auditorium, 4 p.m.
22-23 Play—The Tempest by Shakespeare; DeWitt Cultural Center, 8 p.m.
23 Senior Recital; Marie Montanari, flutist; Wickers Auditorium, 8 p.m.
27, 28, 29, 30, 31 Play—The Tempest by Shakespeare; DeWitt Cultural Center, 8 p.m.

APRIL
12 Student Recital; Dimmitt Chapel, 7 p.m.
20 Senior Recital; Mark Hulsebos, saxophonist; DeWitt Cultural Center, 8 p.m.
21 Great Performance Series; Grand Rapids Symphony Orchestra; Holland City Hall, 8 p.m.
22 Play—Face to Face with the Arts; DeWitt Cultural Center, 8 p.m.
29 Concert; Hope College Chapel Choir; Dimmitt Chapel, 8 p.m.
29 Concert; Hope College Band & Holland High School Band; Holland High Auditorium, (afternoon)
30 Guest Recital; Baroque Ensemble; Wickers Auditorium, 8 p.m.

Vespers on the Air

Approximately 60 radio stations throughout the country will broadcast a one-hour tape of this year's Christmas Vespers. You should consult the station in your area for date and time. Stations that have notified Hope College of their intentions to broadcast the program as of Dec. 1 were:

- WKXQ—Grand Rapids—WVSH, 8 p.m.
- WCLE—Cleveland—WDUS, 8 p.m.
- WIFL—Erie—WDUS, 8 p.m.
- WJMJ—St. Louis—WDUS, 8 p.m.
- WORC—Springfield—WDUS, 8 p.m.
- WBCF—Bloomington—WDUS, 8 p.m.
- WJMJ—Evansville—WDUS, 8 p.m.
- WJMJ—Newark—WDUS, 8 p.m.
- WJMJ—Philadelphia—WDUS, 8 p.m.
- WJMJ—Boston—WDUS, 8 p.m.
- WJMJ—New York—WDUS, 8 p.m.
- WJMJ—San Francisco—WDUS, 8 p.m.
- WJMJ—Los Angeles—WDUS, 8 p.m.
- WJMJ—Chicago—WDUS, 8 p.m.
- WJMJ—Dallas—WDUS, 8 p.m.
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- WJMJ—Seattle—WDUS, 8 p.m.
- WJMJ—San Diego—WDUS, 8 p.m.
- WJMJ—Boston—WDUS, 8 p.m.
- WJMJ—Philadelphia—WDUS, 8 p.m.
- WJMJ—New York—WDUS, 8 p.m.
Contract for Self-determination

Gayle Boss, a senior from Dearborn, Mich., is enrolled in a little-used but significant option in the Hope College degree program: the contract curriculum. This full-time, off-campus program, for self-directed students, may replace certain requirements in a majors program, or, in its broadest use, replace the College's general core curriculum requirements.

According to Registrar John Huisken, it's possible to use the contract curriculum throughout almost the entire college career or for a single semester's project. A special committee must grant approval for the contract.

The contract curriculum rests on several assumptions, "Primarily, there are some students who are not only capable of, but eager for more self-determination in their education. Second, the current presupposition that students ought to learn broadly at first and then proceed to greater and greater specialization is not necessarily valid for all students."

This semester Gayle is learning off-campus at the Center for Southern Folklore in Memphis, Tenn., a non-profit organization for the purpose of recording—largely on film, but also audio and written—the oral traditions and stories of the Southern U.S. Gayle reports that she was first attracted to the Center. A Mass-communication major, the Center offers Gayle the opportunity to record and document folklore using techniques like those of the Center's two founders, who are themselves Southern folklorists.

"The use of mass media to tell 'people stories' is what first attracted Gayle to the Center. A Mass-communication major, Gayle hopes to eventually record Michigan folklore using techniques like those of the Center. While in Memphis she is also shooting footage of local jazz clubs as an independent project," Gayle describes her semester as "one of constant activity and responsibility," and also "an excellent example of the College's commitment to tailor its programs to the needs of the individual.

Further information on the contract curriculum program may be obtained from John Huisken, registrar, Hope College, Holland, Mich. 49423 (616) 392-4111, ext. 2321.

Louisville Semester Stresses Holistic Approach

The following story on the Louisville Program continues a News from Hope College series on full-time, off-campus study opportunities for Hope students.

"Hope students participating in the Louisville semester have extraordinary opportunities to see up close what it takes to be a medical student in a psychiatric setting," says Dr. Philip Van Ely, chairman of the psychology department which has responsibility for coordinating the 1990-91 Louisville Semester program.

The Louisville program is designed for advanced students in psychology, sociology, Biochemistry, microbiology, and pre-med programs. Since Louisville General Hospital is located in the inner city, there are also opportunities to become involved in urban mental health and human services problems relating to the course, while gaining experience in psychiatric services.

Van Ely notes that students have access to patients' files, attend staff meetings and seminars, accompany doctors on their rounds, and have involvement in daily group therapy sessions.

According to Dr. Herbert Wagenmaker '52, director of inpatient psychiatry at Louisville General, "Our research into schizophrenia is receiving national attention in medical journals as well as in network TV. Hope students are restricted only from administering physical and neurological exams; otherwise they enjoy the same status as medical students. In fact, ten patients are treated by hospital patients.

"Dr. Wagenmaker, who was the initiator of the program, emphasizes the program's urban setting. "The intent is to expose Christian students to the prospect of inner-city medical work, nursing work, pastoral work, counseling and so on. We take middle-class kids and expose them to an inner-city environment and we try to show them ways to work in that environment."

"Dr. Wagenmaker very much believes in the holistic approach to health," notes Dr. Philip Van Ely, professor of psychology and Hope's liaison to the Louisville program. "He believes that treatment must be medical, psychological and spiritual, because these are interlinked dimensions of health."

The program operates on a year-round basis. Interns are required to spend at least 24 hours on Louisville. A total of 12 credit hours are earned, with an additional four credits possible through an independent study. Students in Louisville arrange for their own housing, but receive extensive help in this matter from Wagenmaker. Students from Wheaton and Gordon Colleges also participate.

"Clinical psychology is a very popular choice among undergraduates, but it's a tough profession to get into," notes Dr. Van Ely. "Few institutions of our size and type can offer such practical experiences as an early part of the students' career. And this is part of the reason we have the many by which to offer these experiences in a large city. It's a good program and it's an adaptable program. We re..."
the anchorman

He is the first to know who is going to win The Pull.
Either the rope is piling up behind him or it is slipping through his fingers, ever so close to the knot that denotes the end.
His morale girl has to be someone special, too. In addition to wiping her man's sweaty brow she is often his physical support as he attempts to keep the rope taut.

The 81st annual Pull was unique. New rules limited the length of time of the tug-of-war to more than three hours. The rule was instituted after the 1977 Pull set a record for length.

The freshmen prevailed this year, gaining the entire length of rope just four minutes shy of the maximum three hour length.
Lots of Company on Campus

Each issue of News from Hope College this year is providing an up-to-date look at various aspects of campus life and student services. This issue focuses on residential life.

When you get right down to basics, living on campus means having a bed, mattress, desk, chair, closet, telephone and key to call your own. Plus at least half a room to contain them all.

And this semester Hope is using every stick of furniture and every room that we have," reports Bruce Johnston, assistant dean of students.

With over 1,600 beds filled, Hope's residence halls are at capacity and even a bit beyond, according to Johnston.

Hope's tight housing situation is duplicated on campuses across the country, says a recent apartment living in Holland, says Johnston. Monthly rents range from $125 up to $275 for two-bedroom apartments. These figures, combined with ever-increasing utility rates and the costs of setting up a household, have made off-campus living financially unattractive for many.

Johnston also cites a change in students' attitudes as contributing to the return-to-campus movement. "Students in the late 1960s and early 70's at most campuses were concerned with establishing their independence. Today we're seeing a shift in attitude. Students say, 'I'm here and I'm here to study and get good grades.' The academic rigor demanded by this new attitude makes it desirable to have things provided.

So it's not surprising that 300 of the 750 Hope students there are currently engaged in a program coordinated and an extra effort is made to quickly get to those little things that frustrate students.

Although at major universities the life of residence hall furnishings is calculated to be about 10 years, Hope's furniture is apparently sturdier than average. There has been some routine replacement, but most of the furniture purchased during the dorm expansion of the late 60's and 70's is still in use. Johnston says that because new dorm furniture is generally of poor quality, consideration is being given to refurbishing, rather than replacing, what's currently in use.

Moreover, the "lost movement" of recent years to build wood frames to support the mattresses, with a few feet of the ceiling, has meant that many of Hope's beds are going to last longer because they aren't being used. Another fairly recent innovation at Hope is having dorms which are new in which men and women occupy different floors or wings of the facility, Johnston says these dorms have been very successful because "the atmosphere is more relaxed" and there's "less mystique" regarding what goes on in dorms people by members of the opposite sex.

The following is a list of housing options at Hope:

- Brumler Apartments (women): Apartments housing either four or two upperclass women.
- Dake Hall (women): Apartments arranged on the corner of 4th St. and Columbia Ave. The complex contains 12 two-bedroom apartments. Johnston anticipates that these living units, like the College-owned Brouwer Apartments, will be popular choices for students who are seeking a little more independence and yet don't want to have to deal with a leaky faucet or other maintenance problems themselves.

On-Campus Living

"Campus living is important for the learning experience. It teaches you how to live with different kinds of people who are used to different lifestyles and backgrounds," explains Elaine Van Liere, coordinator of residential life. "Even the conflicts that arise in residence halls between hallmates and roommates are a learning experience. I encourage students to move around and try out different residences.

The experiences and unique environments are not totally due to the buildings. Each dorm has a head resident and resident assistants (RAs) living on each floor. Some dorms have assistant head residents. Cottages have one RAs, each staff member has some responsibility for the upkeep of the dorm. But the primary responsibility is to help students adjust and deal with college life.

According to Bruce Johnston, assistant dean of students, RAs are people who are leaders and have the potential for leadership and can develop a democratic structure on his or her floor or cottage.

Each year prospective RAs are chosen on the basis of a written application, an interview, and a recommendation from a head resident and RA.

"I really pay attention to the head resident and RA recommendation," says Johnston.

Cottages (either men or women): Houses primarily assigned to upperclass students and organizations with 4-15 residents each. Hope houses students in 27 cottages.
- Darbee Hall (men) and Gilmore (women): Smaller conventional halls, housing approximately 100 each.
- Dykema (women): Large hall arranged in clusters, housing 284 students.
- Residency Complex (men): Housing members of those frats, and others when there's a room.
- Kollen Hall: Large hall housing men and women in separate wings, approximately 200 total.
- Lichy (women): Small residence hall, housing 50 upperclass women.
- Phelps-Hall Large residence hall, housing 165 men and women on separate floors. Van Vleck Hall (women): Hope's historical landmark, housing 40 women.
- Zwerrier Hall: (men) Single and double rooms for 75 men. Owned by Western Theological Seminary and might not be available for '79-'80 school year.

The Boulevard Apartments, housing 40 students in four different structures, are close to the heart of campus and only a short walk from the library and chapel. One of the largest residence halls, the Dormitory, is located on the corner of Hope Street and 12th Avenue. The dormitory houses 284 students, including both men and women.

Another contributing factor to the popularity of off-campus living has been a conscientious effort in recent years to make Hope's dorms and cottages more pleasant places to live. "Our emphasis has been not to just provide a bed and board, but also to provide activities that enrich the on-campus experience," says Johnston. He also points to "the quality of the residence hall staff which is very good."

Minor annoyances—like broken screens, clogged drains and burned-out light bulbs—receive the most prompt attention possible, says the assistant dean.

The maintenance staff is now well-coordinated and an extra effort is made to quickly get to those little things that frustrate students. Although the residence halls and cottages have been constructed in recent years, the maintenance staff is aware of the problems that may arise and is ready to deal with them.

The dormitory, which has been renovated several times, is a large and comfortable facility. The building's interior features a study area, a lounge and a kitchenette. The dormitory also has a number of single rooms, which are occupied by students who prefer a little more privacy.

In addition to the dormitory, Hope College has several other residence halls and cottages scattered throughout the campus. Each of these facilities has its own unique features and advantages.

The Boulevard Apartments, for example, are close to the heart of campus and only a short walk from the library and chapel. One of the largest residence halls, the Dormitory, is located on the corner of Hope Street and 12th Avenue. The dormitory houses 284 students, including both men and women.

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Part of Learning Experience

"They know the applicant in everyday situations better than we know them after an interview." 

Staff selection begins during second semester. Johnston describes the training program as a selection process. Applicants meet with a selection committee over a period of three weeks. According to Johnston, group assignments help in assessing the degree of one's extroversion and focus on team building and assertiveness training.

"We ask them what kind of atmosphere they will set up. Hopefully it will be one of openness and community," adds Johnston.

In the fall the staff arrives on campus one week before the freshmen. They attend daily informative seminars presented by campus service offices such as Public Safety, the Health Clinic or the Counseling Center. Also during that week, the staff of the various residences have an opportunity to get better acquainted.

Learning to work together as a staff is important. Individual staff members draw support and affirmation from each other.

Kollen Hall RA Nancy Geldersma commented that: "We may not all agree on the best way to handle problems, but we back each other all the way."

Staff members define their roles differently but have one thing in common—a desire to be with and serve people.

"You don't do this work for the money," commented head resident Eleni Pappas, "I do it because I love young people.

"My role is to be a person of service to the residents. It's not to be a mother—but it is. We are responsible for everything—we're reference persons," explained Geldersma. "I don't perceive being an RA as a job. It's just life, living with people and learning to grow with them.

The staff is responsible for initiating activities among residents especially during the first few weeks. Johnston gives a lot of credit to the students for making the residential experience a growing and fun time.

"The students here are fantastic. They work with each other, care about each other, and help each other out," says Johnston.

Most of the dorms have councils that plan activities, money-raising projects and parties. Residents elect representatives or volunteer their time for weekly meetings. A dorm study break complete with entertainment and Saga cookies, a hayride or inter-dorm parties result.

Living in the dorm is important because, as Van Lier writes, "It helps you grow up fast. In a situation that is unique to a particular time in one's life. Making sure that the experience is a growing one is no simple task."

"Our philosophy is to help the student become what he or she wants to become," concludes Johnston.

When it comes to eating, the atmosphere is usually just as important as what's on the plate, says Steve Hiligan, director of Hope's Saga food service.

That's why this year Hiligan sees complete diner satisfaction as an almost impossible thing to achieve.

"The student starts out by waiting 10 minutes to go through the line. Then with our present line system, the chances are the food won't be as hot as it should be when he or she finally gets it. Then the student has to wait to get a seat. And once they're seated, there's still another student almost breathing down their necks waiting for a seat.

Little wonder there's a great deal of anticipation toward the expansion of Phelps dining room, scheduled to be complete by the beginning of the 1979-80 academic year. The proposed $750,000 expansion will increase the seating capacity of the dining room from 350 to 675. Plaza calls for four dining areas, a new "catering system" serving area and some new food preparation facilities. A smaller dining room in Darbee Hall will be used on a limited scale.

Complaints about the food service on a campus seem to be as predictable as complaints about exams. Yet, Hiligan takes them seriously because he believes "something is being said in every complaint."

In order to learn more about student opinion regarding menus and service, once a month a Saga food service poll is conducted.

Compliments, as well as complaints, are received and the Saga staff considers the following:"In recent opinions received a class of "compliments" is that Saga is one of the most popular dining facilities.

"It's important to have variety in both food and atmosphere," Hiligan believes. Each month Saga stages a "pace changer" event, such as a recent South Seas Cruise Special, an Egg Benedict Breakfast Special, or a picnic in the Axe Grove. A Saturday night steak special is a weekly attraction.

An unlimited assistance policy assures that no Hope student need leave the dining room hungry. The food service encourages a "take one and come back for more" policy to minimize waste.

Catering to individual preference is an impossibility when feeding so many students. A Saga cook says that paprika, oregano and garlic are the herbs used in greatest volume in the kitchen, and for every student finding a meal too seasoned, another will find it too bland. But the Saga staff strives to maintain a middle ground.

The most popular entrees among Hope students are French dip sandwiches and lasagna. Ice cream is the favored dessert and Hope students consume approximately 1,000 gallons of it each month. A self-serve soft ice cream machine in Phelps Dining room is especially popular.

Saga's goal is to provide good food and good service. It's a realistic attitude which recognizes Saga's potentials and limitations. For, as Hiligan puts it, "We try hard, but we can't compete with Mom."

Artists' conception shows proposed Phelps Hall dining room renovation project. College officials hope to have work underway in spring of 1979 so enlarged dining room is ready for next school year. Work is expected to cost $750,000. See related picture on page two.
Author Ann Hungerford is a reporter for the Holland (Mich.) Sentinel where this article originally appeared.

You can't tell the winners from the losers even with a program. Tears cry the same.

In the minds of nearly 500 Hope women who participated in the annual Nykerk Cup in the Civic Center Nov. 4, there were no losers. To retain the philosophy that winning is the only thing is anti-Nykerk sentiment.

All that counts is "meeting in the middle," a long-time tradition of screeching pandemonium, unquelled tears, and near-violent bear hugs.

Better advice to all civilians in the crowd might be "don't get caught in the middle."

Boyfriends and parents pace restlessly around the fringes, circling the mob of young women content with consoling and congratulating each other for what seems like an eternal ceremony.

Only later do males and elders dare wade into the humanity decked with navy skirts and sweaters and white gloves to join in the celebration.

Were Hope College to write its own dictionary, it's certain that one more interpretation would be added to the lengthy definitions of love: Nykerk.

For three weeks freshmen and sophomore women, whether in play, song, or presentation, speak of little else. Comraderie grows with each day and, despite the competition, support flows from the sophomores to freshmen. Respect lingers everywhere.

Created in part to provide opportunities in upperclassmen for leadership, Nykerk does just that.

Only on the evening of Nykerk, do coaches, gowned in long dresses and carrying bouquets, take a bow. To them fall the responsibility for selecting plays, songs and overseeing presentations of the younger classmen.

Another appealing aspect of Nykerk is the mystery and many prevalent. Who, for instance, won what remains forever a secret. Only a class is announced victor. No specific winners for any division are declared.

Other mysteries mount in the minds of the audience. Where do sophomore men get the money to rent tuxedos? Who stocks 400 or more pairs of white...
gloves? Is that a question probed on admittance applications for women? Do you have your own pair of white gloves?

And how does a class put on a short play or skit with a budget of only $100? That query is more easily answered. By using last season's turkey feathers, naturally. (Perhaps a little more game than preferred but nevertheless reusable).

As in other years, the animals stole the show. And today's most beloved animal, Snoopy, took this year's scene stealing prize. Portrayed by Nancy Edwards, freshman from Grand Rapids, Snoopy pranced about the stage in a production number "Supper-time" from "You're a Good Man, Charlie Brown."

Despite her lack of experience, Miss Edwards has never before appeared on stage, the chemistry/bio major displayed an uncanny sense of timing and control on stage, eliciting roars and spontaneous applause from the standing-room-only crowd. "I'm a ham," she explained her ease onstage following Nykerk presentations. "I wasn't scared. I was just happy and excited."

Following Nykerk tradition, song girls remained primly seated throughout the entire evening, even during the intermission. Those demands are in sharp contrast to the formally dressed "morale guys" who act as a cheering section throughout the evening.

"I'm glad it's over," one exhausted song girl, held in her mother's embrace, sighed after the pandemonium had subsided.

For the few to whom it matters and for the record, the sophomores won.

Miss Krueger explained that "even college can be a lonely place. There are people all around us but no one really knows us. I don't believe there is one root cause for loneliness."

Nykerk opened with the freshman song, "Climb Every Mountain."

The sophomore song group sang "He Ain't Heavy... He's My Brother."

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For the few to whom it matters and for the record, the sophomores won.
Fall Sports Garner Two Crowns

The orange-and-blue again had an outstanding fall sports season, winning two Michigan Intercollegiate Athletic Association (MIAA) championships while finishing no worse than third in any of the men's activities.

The women officially started competing on a league basis against MIAA opponents this fall. The volleyball team won two major tournaments, including the MIAA post-season event, while the field hockey team finished fifth.

The Dutchmen own a commanding lead in the MIAA all-sports race after fall competition. Hope has 42 points followed by Albion with 31, Kalamazoo 26, Olivet 22, Calvin 21, Alma 03, and Adrian 11. The Dutchmen are seeking their first MIAA all-sports championship since 1966-67.

CROSS COUNTRY

The Dutch harriers won their sixth straight MIAA championship and finished 15th in the NCAA Division III national meet.

The league championship was the seventh in eight years for coach Bill Vanderholt. The team finished with a 4-1 record, the best in eight years.

Senior Mark Ongley of North East, Pa. was named to the all-league team. Ongley was the team's most valuable runner while Spencer was selected by his teammates as most improved.

FIELD HOCKEY

The field hockey team finished fifth in the MIAA race with a 1-4-1 record while posting a 4-10-1 overall mark.

Seniors Beth Van Klompenberg of Holland, Mich. and Sue Gebhart of St. Louis, Mo. were elected co-most valuable players. Gebhart led the team in scoring with seven goals.

FOOTBALL

The football team tied or established 13 school records en route to posting an 8-2 record and winning the MIAA Championship for the third time in six years.

Hope has enjoyed a school-record seven straight winning seasons in football under coach Bill Smith, whose teams have an overall record of 28-21-2 mark in the nine years under his leadership.

Hope entered the season an underdog, primarily by the inexperience of sophomore quarterback Mark Spencer of Traverse City, Mich., who led the team to a win over Calvin, finished fourth in the Great Lakes Regional. Junior Dick Northuis of Grand Haven, Mich. finished 27th out of over 200 runners in the nationals.

Junior linebacker Tim Lott of Grand Rapids, Mich., was selected most valuable player in the MIAA. Described by Smith as the finest linebacker he has ever coached, Lott spearheaded a defense that limited its opponents to only 33.5 yards per game.

Senior Doug Koopman of Overisel, Mich. and Steve Prediger of Muskegon, Mich. were elected co-winners of the Allen C. Kimmy memorial award which is given by the coaching staff on the basis of maximum overall contribution to the team.

Ten Hope players were named to the all-MIAA team. Picked for the defensive honor were Treve Luttrell, a senior from Ludington, Mich., guard John Hartman, a senior from Wyoming, Mich., tight end Kent Suckecki, a senior from Grand Haven, Mich., and Steve Prediger. Spencer was the first freshman to be honored since 1973. Named to the defensive all-league team were interior linemen Tim Johnson of Kentwood, Mich., and Kurt Govers of Franklin Lakes, N.J.; Lott, Prediger and Loudermilk.

MIAA Fall Standings

FOOTBALL

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VOLLEYBALL

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**Winter Sports Schedules**

**MEN'S BASKETBALL**

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<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
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**WOMEN'S BASKETBALL**

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<td>at Palau, P.A.</td>
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**VOLLEYBALL**

Two championship matches highlighted the volleyball season.

The Dutch opened the season by winning all four matches of the Wayne State Invitational Tourney and concluded the year by taking first place in the MIAA tourney. In between they posted a 3-5 MIAA dual meet record to finish fourth in the standings. Senior Cheryl Burke of Cedar Rapids, Ia., and junior Lori Mand of Dubuque, Iowa, were selected co-most valuable players, while senior Tammy Schulting of Grand Rapids was selected most improved.

**GOLF**

The golf team finished third under a new league format in which each school hosted a mini-tournament of all MIAA teams during the course of the season.

Sue Williams serves up the spike under watchful eye of teammate Jean Wilkening.

**H-Club Honors Cagers, Harriers**

The alumni H-Club honored two groups of former athletes during their annual Homecoming festivities.

Honored guests were members of the 1958-59 basketball squad and the cross country team from 1971 through 1977, according to Gordon Brewer, director of athletic training.

Many regard the Hope basketball team of 1958-59 as the best in the College's history. The team posted a 20-3 record en route to the MIAA championship and the NCAA Great Lakes Regional championship.

Team members have been active in those years and have made their mark in society. Captain Paul Buhler, John Kleinheksel, and Dick Baker both hold doctorates and are active in the ministry. Dr. Daryl Siedentop is a professor in the graduate school of physical education at the Ohio State University. Dr. C. W. Vandermall is a director of the university's athletic program in history at Ball State University. Dr. William Vanderbilt is chairman of the department of physical education, recreation and health at Hope. Wayne Venneman is vice president of WGN Continental Broadcasting Company in Chicago. Darrell Beaty is an attorney with State Farm Life Insurance Company of Bloomington, III. Norm Schutt is a teacher and varsity basketball coach at the Zeeland, Mich. Public Schools. Rolland Schut is an eighth grade science teacher in Kalamazoo, Mich., while Don Boykin is a high school social studies teacher in Spring Lake, Mich. Ray Pettis is a vice president and president of the Universal Equipment Company, furniture distributor, in Raleigh, N.C. Al Burda is a page in the marketing department of the Chicago, Ill. Hearst Company of Boston, Mass. and Bob Reid is with the National Gypsum Company of Collin Wood, Ohio.

The Hope cross country teams from 1971 through 1977 compiled the most outstanding won-lost record of all Hope sports teams. During that period the Dutch runners recorded a 41-2 record in dual meets and captured the MIAA championship six out of seven years. Greg Daniels, Phil Caster, Schultz, and Lou Harkness were named the league's most valuable runners. Schutt received the honor in both 1974 and 1975. Bill Vanderbilt had the distinction of being honored with the 1958-59 basketball team and also as coach of the cross country teams.

"Hope College proudly salutes these scholar-athletes who have accepted the responsibility of serving with distinction the citizenship of community and country," said Brewer.

**H-Club Honors Cagers, Harriers**

The alumni H-Club honored two groups of former athletes during their annual Homecoming festivities.

Honored guests were members of the 1958-59 basketball squad and the cross country team from 1971 through 1977, according to Gordon Brewer, director of athletic training.

Many regard the Hope basketball team of 1958-59 as the best in the College's history. The team posted a 20-3 record en route to the MIAA championship and the NCAA Great Lakes Regional championship.

Team members have been active in those years and have made their mark in society. Captain Paul Buhler, John Kleinheksel, and Dick Baker both hold doctorates and are active in the ministry. Dr. Daryl Siedentop is a professor in the graduate school of physical education at the Ohio State University. Dr. C. W. Vandermall is a director of the university's athletic program in history at Ball State University. Dr. William Vanderbilt is chairman of the department of physical education, recreation and health at Hope. Wayne Venneman is vice president of WGN Continental Broadcasting Company in Chicago. Darrell Beaty is an attorney with State Farm Life Insurance Company of Bloomington, III. Norm Schutt is a teacher and varsity basketball coach at the Zeeland, Mich. Public Schools. Rolland Schut is an eighth grade science teacher in Kalamazoo, Mich., while Don Boykin is a high school social studies teacher in Spring Lake, Mich. Ray Pettis is a vice president and president of the Universal Equipment Company, furniture distributor, in Raleigh, N.C. Al Burda is a page in the marketing department of the Chicago, Ill. Hearst Company of Boston, Mass. and Bob Reid is with the National Gypsum Company of Collin Wood, Ohio.

The Hope cross country teams from 1971 through 1977 compiled the most outstanding won-lost record of all Hope sports teams. During that period the Dutch runners recorded a 41-2 record in dual meets and captured the MIAA championship six out of seven years. Greg Daniels, Phil Caster, Schultz, and Lou Harkness were named the league's most valuable runners. Schutt received the honor in both 1974 and 1975. Bill Vanderbilt had the distinction of being honored with the 1958-59 basketball team and also as coach of the cross country teams.

"Hope College proudly salutes these scholar-athletes who have accepted the responsibility of serving with distinction the citizenship of community and country," said Brewer.

**Hope Hosts Holiday Basketball Tournament**

Hope will host a four team holiday invitational basketball tournament Dec. 29-30 at the Holland Civic Center.

First round action on Dec. 29 will pit John Wesley College of Owosso, Mich. against Trinity Christian College of Pella, Iowa. The losers from the first round will play off at 6 p.m. on the 30th, followed by the championship game at 8 p.m.

Men's athletic director Gordon Brewer said complimentary tickets for church youth groups are available for the tournament. He also noted that group tickets are available for home games on Jan. 6 and 10. Interested group sponsors should contact the athletic department at 613-392-1111, ext. 3270.
Nearly $1 million dollars per year divided between the 16 member colleges—that's just the tip of the Michigan Colleges Foundation (MCF) iceberg, says Dr. Irwin Abrams, former president of Hope College and a founding member of the MCF.

Far more important than the dollars which have been brought in over the years, says Lubbers, is the interchange between private education and big business that the MCF made possible.

"The founding of the Michigan Colleges Foundation changed the environment in which we operate. It changed the whole image of private higher education in the minds of the American public."

The Michigan Colleges Foundation, founded in 1949, was the first state-level consortium of private colleges organized for the purpose of jointly soliciting financial support from businessmen. In 1949, when business support existed only for a favored few, this was a radical change of approach.

Through MCF private colleges learned from business the secrets of effective management and successful public relations, says Lubbers, which resulted in "greatly broadened horizons."

Moreover, through MCF the private colleges had occasion to become acquainted, both as institutions and on a personal level. Previously Hope had no strong contacts of this nature, and this was fairly typical across the state, according to Lubbers.

The MCF has its roots in a meeting of the Association of American Colleges held in New York City in January of 1949. At this meeting Frank W. Abrams, chairman of the board of Standard Oil of New Jersey, and Laird Bell, a Chicago attorney, predicted that private education in the 1950s would be a sauce of selfishness and be a chief source of income, was to be greatly diminished because of federal tax developments. Abrams and Bell said that private education must turn to a new source of support—business.

Before that AAC meeting attended, five Michigan college presidents—Samuel J. Harrison of Alma, Dale D. Welch of Alma, Alvin W. Johnson of Emmanuel Missionary, now Andrews University, Harvey L. Turner of Hillsdale, and George S. Lynds of Hope—decided to find some way to implement Abrams' and Bell's observations into a new fund-raising effort.

The five presidents persuaded their trustees to invest a small appropriation in the new organization and on Aug. 19, 1949, the MCF was chartered and a pattern for joint fundraising was set into motion which would later be used as a model for 38 new associations, involving private colleges and universities in 44 states.

We were dealing with such large enterprises and men who thought in terms of national and international corporations," recalls Lubbers. "We would have seemed small boys with little tin cups if we had come as individual institutions with the selfish purpose of only keeping alive our individual enterprise.

"Our cause was bigger than any single college represented in the Association; to go to private business and offer private higher education as a partner in preserving the American idea of higher education system."

After establishing an office in Detroit and hiring an executive director, Dr. Bruce Raymond, a former Hope faculty member, the MCF discovered that their efforts were being met with more cold shoulders than alert sympathizers. After a year, Dr. Raymond re-signed the post. Within the coming months, one of the colleges, Emmanuel Missionary, stood a good chance of withdrawing at its trustees' insistence. Lubbers had, although he had the advantage of being a new president and therefore enjoying a high tolerance among the Board for new programs, found that by 1952 his sales pitch for another year of MCF support was followed by a loud stage whisper. "There goes another $3000 down the drain," he said.

The MCF soon realized that it needed successful business men as well as college president among its ranks. In the early 1960s a section was made to invite business leaders to become incorporators. Simon Don Van Winkle, a Hope alumnus and president of Bohn Aluminum Company, eventually became a strong leader in the MCF as its first president and later on the national level as an advisor to comparable associations. In 1966 James VerMeulen, '26 of the American Seating Company also served as president.

In 1953 the MCF contracted the services of a nationally known fund-raising firm, Community and Lynds, who had aided Hope in its first successful fund-raising experience, "Looking Ahead with Hope." Lawrence B. Avison, jr., the nephew of former Hope faculty member, Edward Avison, directed the firm's successful efforts with the MCF. In 1956 he accepted the position of the MCF executive directorship.

Under Avison's leadership, the MCF has evolved into a sophisticated organization with 37 leaders of Michigan business and industry on its board. Today, Hope has received a total of $1,389,266 from the MCF. Its investment figure is $10,728.

Over the years, the cumulative total of MCF funds has received from the Michigan Colleges Association roughly equals one-third of our present endowment. That's pretty good," concludes Lubbers, vice president for business and finance. "Because we operate on a fairly tight budget, many times the Michigan Colleges Association has meant the difference between maintaining the budget running in the red. It's been a most important source of support.

"We're talking about something self-sustaining and yet so dynamic," concludes Lubbers. "It charged our entire method of operation."

It's never too early to promote Hope

The Hope-Geneva Bookstore has a variety of shirts and hooded sweatshirts available in sizes for young and old.

Your best buy includes:

* FOR THE WEE ONES—a long sleeve pullover with graduation date; that's right 20?? Available in six months to two years sizes.
* HOODED SWEATSHIRT—navy pullover with orange imprint. 100% cotton. Children & adult sizes.

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Enclosed is $ for the above items.

Your Name:

Address:

Please make check or money order to Hope-Geneva Bookstore. Items will be sent UPS unless otherwise requested.

SEND ORDER TO:

Hope-Geneva Bookstore, Hope College, Holland MI 49420
**Alumni Directory Preparations Begin**

Work on the Alumni Directory is well underway. In February all alumni will receive a questionnaire and request that the survey be sent back by April. The prompt return of these questionnaires is essential so that the information in the directory will be current and complete. The completed questionnaires, as well as a list of all alumni who do not respond to either mailing, will be turned over to the public relations office after the survey is completed.

All alumni will be contacted directly by the Bernard C. Harris Publishing Company, Inc., to verify infor- mation and to remind them of the importance of completing the questionnaire. The names and addresses of all alumni who do not respond will be listed alphabetically, geographically, and by class year. This list will be available to everyone who requests it.

If you don't receive your questionnaire by late March, or if you don't wish to be listed in the directory, please contact the alumni office by April 1.

**From the Alumni Office**

As the sun was shining brightly through the Alumni Office window, looking out at the end of the street, one of our alums, who lives in Oregon, decided to take out a mini-reunion. I forgot one minor detail... the sun shines hours later in Oregon than it does here.

Hattie Van Metre '20 is spending the summer in Orange County, CA. She starts school in the fall at UC Berkeley, majoring in Political Science. Good luck, Hattie!

Soft green, azure, blue, brown... parts of the Alumni Office are getting a face lift. The desks are being repainted along with the walls. This is a project that has been in the works for a while now, and we are happy to see it coming together.

At the Emory University Medical School, he will return with his position as medical director of the Bureau of Education at the Center for Disease Control.

Trompen has been invited to speak at various events and conferences, including the annual meeting of the American Society for Preventive Chemotherapy (ASPC) in August 2023.

**News About Hopeites**

Please use the space below for news that you'd like to communicate to your fellow Hopeites. Tell us about appointments and promotions, experiences that have been meaningful to you, how your career has evolved, work opportunities for your family, and anything else you think would be of interest to your fellow Hopeites.

**Name**

**Class year**

**Street**

**City**

**State**

**Zip Code**

Check here if this is a new address

**Phone**

**Additional notes**

Phonathons are in full swing. The main purpose of the Phonathon is to promote the alumni stewardship and fund raising efforts of the University. This is a great way to stay connected with the university and support its programs.

Washington Alumni attended a potluck dinner in Malibu, CA last month. Among the attendees were alumni from various parts of the country, including Los Angeles, San Francisco, and San Diego. The event was a great opportunity to reconnect with old friends and meet new ones.

We're waiting for the unveiling of the new Alumni Office! The Alumni Office will be open to all alumni on Saturdays from 10am to 2pm.

The Holiday season is fast approaching. We wish you and your families a happy and blessed holiday and a prosperous new year. It is our hope that many of you will have an opportunity to visit Hope's campus during the upcoming year. If you get to campus, stop by and see... Van Raalte 207! We look forward to seeing you and hearing from you.
make your presents felt!*

No matter how you spell it, your presence is felt through your presents.

Your gift is important in maintaining Hope’s high academic standards.

$1,000 will provide nine weeks’ education to one of the 73% of Hope’s students who need and receive financial aid in the form of scholarships, loans or campus jobs... or underwrite the cost of running Hope for eight hours... or...

$500 will purchase and catalog 25 books for the library... or meet 10% of the cost of one theatre production during the school year... or...

$250 will heat and light a classroom for 480 hours... or provide equipment for an intramural volleyball program for men and women... or...

$100 will pay for two hours of computer time for a science major... or purchase and feed 150 mice needed in biology for one semester... or meet the cost of periodicals and pamphlets for the Career Library for one semester... or... much much more!

Your gift keeps Hope ahead... Please write your check today for the Annual Fund.
be our guest

The Alumni House provides convenient lodging for alumni and friends visiting Hope College. The proximity of the house to all college buildings enables guests to make the most of their time on campus, whether your visit be for business or pleasure.

Rates per night for Alumni House lodging are as follows:

**Master Bedroom** (with private bath)
- $15.00 single
- 18.00 double

**Rose Room**
- 11.00 single
- 13.00 double

**Blue Room**
- 11.00 single
- 13.00 double

**Green Room**
- 11.00 single

For reservations call the Alumni Office at (616) 392-5111, ext. 2600.
ACADEMIC SEMINARS
11 a.m.
Coffee will be served in the seminar rooms beginning at 10:30 a.m.
THE JORDAN DIG
Dr. Robert Coughlin and Dr. Paul Van Faassen
A scientific and cultural look at the Hope exploration in Jordan.
REFLECTIONS
Dr. Henry Tenbrook
Reflections on a third of a century at Hope College.

CHILD DEVELOPMENT
Dr. Jane Dickie
A look at children through the eyes of psychologists, including demonstrations.

METAL POISONING
Dr. S. Krogius and Dr. Jack Schubert
A discussion of the breakthrough in the treatment of metal poisoning.

THE FINE ARTS
Two student dance productions and an improvisation.

LUNCHEON
Durfee Hall
1 p.m.
BASKETBALL
Hope vs Albion
Civic Center
3 p.m.
HALF TIME SHOW
Gymnastics Club
JAZZ CONCERT AND REFRESHMENTS
following the game
Civic Center
DOW CENTER
available for participation and tours; no charge, but reservations are requested for racquetball and tennis.
5 to 9 p.m.
BUFFET
$3.50 per person
Pheps Hall Dining Room
5 to 7 p.m.

WHAT ABOUT OUR KIDS?
We will provide supervision, food, and activity for your children while you attend the seminars and luncheon.
Pre-School Nursery
Daily; drop-off and pick-up.
Cost: $3.50 per child for lunch.
Elementary Activities
At the Dow Center, including lunch, movies and activities from 11 a.m. to 2 p.m.; Cost: $3.25 per child for lunch.
Junior High and Up (age 12+)
Dow Center Pool will be available from 11 a.m. to 12:30 p.m. Lunch 12:30 p.m. to 1 p.m. at Phelps Hall with Hope Students. Activity Center will also be available.
(Bowling and Pool) Cost: $1.90 for lunch. Bowling and Pool $1.00 (depends on how much participation.)

HOPE WINTER HOMECOMING RESERVATIONS
Please contact the Alumni Office with your reservation preferences.
(continued on page 19)
deaths

Josephine Huynink '30 Duncum died on October 24, 1978, in Grand Haven. funeral. She was survived by a daughter, Janet Brodaud.

Catharina Martha Delong '37 Hinkamp died in Holland, Mich., on November 27, 1978, following a 34-week illness.

career corner

The Alumni Office provides "Career Corner," a want-ad service for alumni seeking employment and for alumni seeking employment. Ads are printed anonymously and without charge in "News from Hope College" and "The Hope College Magazine." Alumni employers with job openings can contact the Alumni Office (see page 19) describing the type of employment they are seeking. The Alumni Office will contact the person seeking employment.

The Alumni Office sets guidelines for posting employment ads as follows:

* No more than 50 words
* Please type

I am job hunting and would like to have the following want ad appear in the next Hope College publication:

Name: ____________________________  Address: ____________________________

City, State, Zip: __________________  Telephone Number: __________________

*Alumni news*
perspective

An Historian's Approach to Environmental Studies

by David L. Clark

The University of Chicago has a strong program in environmental studies, which has led to the establishment of the Environmental Studies Institute (ESI), a joint effort of the School of Social Service Administration and the Department of History.

The ESI is a collaborative effort between the two departments, with both the history and environmental studies programs contributing to the institute's activities. The institute is funded by the National Science Foundation and operates under the direction of Professor David L. Clark, who has been instrumental in establishing the institute.

The ESI is located in the same building as the School of Social Service Administration and the Department of History, making it easily accessible to students and faculty. The institute offers a variety of courses and seminars on environmental topics, as well as workshops and conferences on related issues.

In addition to the courses offered by the institute, students can also participate in field trips and research projects that focus on environmental issues. The institute also sponsors a number of publications, including a journal that focuses on environmental studies.

The ESI is committed to fostering interdisciplinary research and education on environmental issues, and it works closely with other institutions and organizations to promote environmental awareness and action.

The institute's mission is to provide a platform for scholars and students to explore the complex and multidisciplinary nature of environmental issues, and to develop innovative solutions to the challenges facing our planet.

The ESI is proud to be a part of the University of Chicago, one of the leading institutions in the world, and it looks forward to continuing its work in this important field.