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The Hope College Theatre production of *Tea and Sympathy*, directed by theatre faculty member R. Scott Lank, was selected as one of six productions to appear at the Kennedy Center for the Performing Arts in Washington, D.C. as part of the National American College Theatre Festival XV.

Performances of the Hope production are scheduled for the Terrace Theatre at the Kennedy Center on Thursday and Friday, April 21-22. This marks the first time that a Hope theatre production has been invited to participate on a national level in the American College Theatre Festival.

When *Tea and Sympathy* was performed at Indiana University at South Bend in January, it was the fourth time that Hope had been invited to participate in a regional festival. Other productions participating at the regional level included *Julie* (1971), directed by John Tannen; and *Bull Moose* (1975), and *Mac and Mullin* (1981), directed by former faculty member Frank B. Fink.

The American College Theatre Festival is a joint effort of several organizations, including the University and College Theatre Association of the American Theatre Association, the Alliance for Arts Education, the American Theatre Association, the National Endowment for the Arts, and the National Endowment for the Humanities.

**Biology Student Honored**

Approximately 450 college or university theatre productions, involving more than 13,000 theatre students and faculty members, participated in the American College Theatre Festival, but only six received invitations to participate in the festival in Washington.

Other colleges and universities invited to the festival are North Carolina A&T University, State University of New York at Albany, State University of New York at Fredonia, University of Delaware, University of Illinois at Chicago, University of Minnesota, and Washington University.

The Hope production, which is one of six national finalists in the American College Theatre Festival at the Kennedy Center in Washington, D.C., will be held in April.

**Hope Graduates 118th Class**

Former Hope College chaplain William C. Hillelensons, 49, will resume his campus to deliver the baccalaureate sermon to this year’s graduating seniors and their families, and Professor of Philosophy Arthur H. Jentz ’56 has been selected to deliver the commencement address.

Hope’s 118th graduating class will be honored on Saturday, May 7-8, as the College community celebrates Alumni Day, bicentennial, and commencement.

Commencement will be held at the Holland Civic Center on Saturday, May 7 at 3 p.m., weather permitting. This year’s event marks the first time Hope is planning an outdoor ceremony. In case of rain, the event will move to the Holland Civic Center. Baccalaureate will take place on Sunday morning, beginning at 11 a.m. in Dimnent Chapel.

The registrar’s Office estimates that 488 seniors are eligible to receive the bachelor’s degree. Bachelor of Arts, Bachelor of Science and Bachelor of Science degrees will be awarded.

Honorary degrees will be bestowed on Dr. Donald J. Miller, 70, president of Central College in Pella, Iowa, the Rev. Rev. W. B. Brouwer ’36, president of the General Synod of the Reformed Church in America, and the Rev. W. J. Miller, 70, president of the General Synod of the Reformed Church in America.

Dr. Jentz served Hope’s faculty in 1962. He is currently serving a second term as faculty representative to the College’s Board of Trustees.

In 1968 he was awarded the Hope Outstanding Professor-Educator Award by the faculty of the senior class.

Among the courses Jentz teaches is a popular one on page 2.

**Alumni Donors Recognized**

The alumni annual giving program at Hope College has been selected a finalist in the distinguished performance category in the 1983 U.S. Steel Alumni Giving Incentive Awards program, according to the council for Advance and Support of Education (CASE).

This program, now in its 24th year, recognizes institutions and the students and alumni that have made a significant and successful commitment to encourage voluntary support to education.

Hope became a finalist for its outstanding performance in both the number of donors and the dollar value of gifts to the alumni annual fund over a four-year period between 1978-79 and 1981-82.

During that period the number of alumni donors increased from 4,672 to 5,315 and contributions grew from $190,878 to $506,773. Last year alumni participation in the annual fund totaled 40 percent compared to a national average of 17 percent.

Hope alumni appear to be on their way toward another record campaign this year. Through the end of February there were 1,008 donors with contributions totaling $499,536. The goal this year is $600,000 from 6,000 alumni.

Alumni donors to this year’s annual fund are being asked a free copy of the new Alumni Directory. College officials reported that the supply of directories is dwindling and predicted that the original copies will be gone before the annual fund campaign concludes on June 30.
Hope Coordinates Corporate Fitness Programs at Dow

by Laurie Brown

As Americans are increasingly being caught up in the fitness revolution, more and more companies have been finding it to their own best interest to encourage their employees to keep physically fit. Executive director Donnelly Mirrors, Inc., of Holland, Mich., has become firm believers in keeping their employees on top of their toes as they became the first company to participate in a corporate fitness program at Dow Health and Physical Education Center at Hope College.

Under the supervision of Dr. George Kraft, associate professor of physical education and program director of Dow, a packaged corporate program was offered that included the goals of a company task force.

At June, a program that could provide good cardiovascular exercise on a regular basis, something that was educational and in our price range, and important—"that would be fun!" explained Faye Andrew, task force member and company nurse at Donnelly Mirrors.

One of the long range goals of the Dow when it opened its doors in the fall of 76 was to involve corporations in exercise programs. "The corporate program was first to meet the needs of the student, then the faculty and staff, and finally the community," explained Kraft.

"Our main goal for the corporate fitness program was to become involved in providing regular varied physical activities that will produce cardiovascular benefits, and also offer an educational base.

The overwhelming enthusiasm for the corporate fitness program prompted 90 people to sign up eager to begin exercising and toning.

The group was split in two sessions, one beginning in January and the second beginning in April.

"Because it was not restricted to any employee category, we had a large cross-section of people willing to participate—from the very right down to the blue collar workers," expressed Kay Hubbard, systems manager.

The total fitness program was designed much like the health dynamics program offered to incoming Hope freshmen, to increase awareness of physical fitness.

With this in mind, Dr. Donnelly employees set out to fight fat beginning in early January. A pre-testing program began with a body composition test—"in what has been loosely known by the Hope students as the fat tank." Through a process of undernutrition and land weight, the proportion of body fat is determined. "An exercise evaluation determines cardiovascular response to exercise as well as level of cardiovascular fitness."

The three-monthlong exercise component of the fitness program involved activities to utilize cardiovascular efficiency through jogging, circuit training, aerobic dance and swimming.

Many participants confessed that they had never exercised regularly before, and for while moans and groans about aching muscles were heard. Yet the end results seemed well worth the pain.

"I really feel I can get the best workout from a combination of exercising," explained Dennis Breyer, engineer for the corporate lab.

"I realized I had a long way to go, but I found my leg strength, and I realized how much I was doing for my company; co-workers would come and just look at the machines on the wall."

The total fitness program also included education to encompass lifestyle changes. "Through Hope professors, seminars were offered on exercise, stress management, and diet and nutrition." said Kraft.

The faculty members of physical fitness at Dow believe that exercise is the key to making lifestyle changes. "The inclusion of many employees, positive changes did occur."

"I feel like a million bucks," explained Breyer, "and I think I would now do exercise to those weight machines."

"I've lost six pounds and I'm so proud I almost broke my arm putting myself on the back," explained Vern Nienhuis, production inventory control manager.

Some employees are contemplating getting a pair of suspenders because of the reduction in body weight. Others agreed that they would think twice about downsizing a bald of butter pecan ice cream.

It appears that the benefits of a corporate fitness program outweigh the costs.

"Ideally we would like to think that this fitness program would not only make us physically fit but also decrease heart attacks and high blood pressure. However, at this stage there is too small of a percentage involved to say," explained Andrew.

"Corporate fitness programs are becoming more popular and it is definitely taking a momentum."

"Corporations are finding that some of the fringe benefits to such programs are that for workers are better workers—less absent, less absent and less absent. They are finding that their fitness programs are popular and popular and popular."

However, John Donnelly, Jr., manufacturing manager and part of the task force team, did not see the benefits to corporations. "I have seen the benefits to the company."

"I can only speak for myself on this physical exercise has helped me. I have been trying to run every day for the last five years. This has really been helpful to my performance because now I feel I am closer to my peak."

"I think the positive impact is that companies encourage their employees to become involved in exercise.

Hope Doctors Three

WELLER

BROUWER

Seminary: Brouwer served churches in Byron Center, Mich., and Grandville, Mich. prior to entering the Presbyterian Theological Seminary at New Brunswick, N.J. early in his career.

He attended Northwestern College for two years before transferring to Hope.

Kenneth Wellers has been president of Central College since 1969. For 20 years prior to this he taught economics and coached football and tennis at Hope.

He was elected Division III president of the National College Athletic Association in 1983 and has been involved in the NCAA as a member of several steering and planning committees.

He was president of the Iowa Association of Colleges and Universities and served on the Iowa College Foundation in 1976-78. He is a member of the executive committee of the Governor's Economic Council in Iowa in 1979.

He holds a master's and doctorate from the University of Michigan.

Dirkse Appointed New Dean of Students

Lamont Dirkse has been appointed dean of students at Hope College effective July 1, according to President Gordon J. Van Wylen.

Dirkse, who presently is professor of education at Hope, will succeed Michael Gerke who had resigned effective June 30 in order to enter private business outside Michigan.

The office of dean of students plays a vital role in the life of the Hope College community. President Van Wylen, "I have confidence that Prof. Dirkse will give outstanding leadership and continue the tradition of excellence in regard to student life at Hope."

Dirkse has been a member of the Hope faculty since 1964. He holds the academic rank of full professor and is chairman of the education department from 1965-75. He is presently serving as president of the Michigan Association of Colleges for Teacher Education and is a past president of the Michigan Association of Teacher Educators.

Twice he had directed an overseas program for student teachers in Brussels (1970) and the Netherlands (1971).

Dirkse received the A.B. from Hope College in 1961, the M.A. from Northwestern University and the Ed.D. from Michigan State University.

Prior to joining the Hope faculty he served as an elementary school principal in the Grand Haven system and was coordinator of the student-teacher-intern program for Western Michigan University in the Muskegon area.
Alumni Honor Pair for Medical Service

The well-established reputation of Hope College's premedical program will be highlighted when two doctors receive this year's Distinguished Alumni Awards.

Dr. Gerrit Kemme, 26, who retired in 1980 after 30 years of practice in and around Dordt, Mich., and Dr. D. Van Wou, 25, who has practiced in Grand Rapids, Mich. for more than 40 years, will receive the Alumni Association's highest recognition at the Alumni Dinner on May 5 at Phillips Hall on Hope's campus. The event begins with a punch bowl at 5:00 p.m. Dinner will be served at 6:15. Tickets are available through the Alumni Office or space permitting. The dinner will feature a guest speaker and a brief history of the college's medical program.

Fifty individuals have received Distinguished Alumni Awards since the program was initiated in 1952. Nominations come from the alumni body large and the Alumni Board selects from those nominees by vote.

This year's recipients are both general practitioners who have distinguished themselves by their compassion and selfless service within the health care profession. Although their professional lives have stretched into the sixties, their achievements can be measured by the fact that Kemme has been a "country doctor" while Van Wou has practiced within a deteriorating urban setting.

Professor of Religion Henry ("Cy") Voogd, who joined Hope's faculty in 1947, will receive this spring, announces Donald M. Siverson, director of student activities.

For 22 of his 36 years of service to Hope, Voogd provided leadership to the department of religion as a full-time instructor during the years 1962-64 and as full professor during 1965-70. Under his long-term guidance, the department grew from a "service department" to a program of student resources and a comprehensive curriculum in the humanities and social sciences. Courses are now offered in the areas of religious studies--biblical, historical, theological, cultural and world religions. A major in religion has been available since 1962.

The appointment also includes Voogd's instrumental role in inaugurating the Dordt tornadoes of student concentrations at Hope in the early 1960s and the establishment of a religion scholarship program to provide incentives for superior students interested in vocations of church and social service.

Current chairman of the department of religion, Elton F. Bruno '80, speaks of his predecessor's "major contributions to Hope College's academic life and its relationship to the Hope College constituency.

"At the time of his appointment to the full professor position held the past 11 years by John D. Fetterman, the department was a vital link with the churches in the denomination, where he is respected as a preacher and much in demand. Yet he was also an able student writer and published a book. Above all, members of the department and his students cherish his unflagging good humor and bright spirit.

An expert in Old Testament history and theology, Voogd has authored a number of articles appearing in scholarly journals and in interdenominational periodicals. "Seeds and Harvests." Before his involvement in administrative tasks, Voogd maintained an unflagging interest in teaching, prompting him to release himself to the teaching of biblical studies. "I think that it is remarkable, although not unusual for a man to be able to go from active teaching to part-time teaching and retirement. In his case, it was retirement from teaching and his retirement from the chairmanship eight years ago in order to encompass focus on student projects and individual research as well as an enhanced role in the teaching of biblical studies."

This year, he was able to provide the college with a new position in the department of religion, "several students from the College in America in served churches in Prattville, N.C. and Gower, N.Y. before coming to Hope. He has done biblical and archaeological research in Israel on two occasions and has participated in a number of professional societies, including the American Society of Biblical Literature and the American Association of Biblical Research. He has been active in the Danforth Association and has directed a regional conference for that organization.

Looking back over his career at Hope, Voogd speaks of the "extraordinary" nature of his work. "The privilege of interacting with countless students over the years has been the highlight of his career."

His retirement plans include another visit to the Near East and the authorship of a series of Old Testament biblical study units for church use.

He is married to the former Helen Thompson '45, with whom he has two children, David and Richard, and a daughter Sally. 76
What’s Happening at Hope?

1983-84 College Calendar

Fall Semester
Aug. 27—Residence Halls Open, 8 a.m.
Aug. 29—Freshmen Orientation
Aug. 30—Late Registration 3 a.m.—Noon
Aug. 30—Classes Begin, 8 a.m.; Formal Convocation (evening)
Sept. 5—Labor Day; Classes in Session
Sept. 7—Last Day to Enroll for Credit
Oct. 7—Fall Recess Begins, 6 p.m.
Oct. 12—Fall Reecess Ends, 8 a.m.
Oct. 14—16—Homecoming Weekend
Oct. 28—30—Parents’ Weekend
Nov. 26—Thanksgiving Reccess Begins, 8 a.m.
Nov. 28—Thanksgiving Reaces Ends, 8 a.m.
Dec. 29—Dec. 2—Registration for Spring Semester 1984
Dec. 9—Last Day of Classes
Dec. 12—16—Semester Examinations

Spring Semester
Jan. 8—Residence Halls Open, Noon
Jan. 9—Registration for New Students, 2-4 p.m.
Jan. 10—Classes Begin, 8 a.m.
Jan. 19—Last Day to Enroll for Credit; Last Day to Drop Courses
Feb. 17—Winter Recess Begins, 6 p.m.
Feb. 22—Winter Recess Ends, 8 a.m.
March 8—Critical Issues Symposium (classes not in session)
March 23—Spring Recess Begins, 6 p.m.
April 2—Residence Halls Open, Noon
April 3—Spring Recess Ends, 8 a.m.
April 9-13—Registration for Fall Semester 1984-85
April 18—Good Friday; Classes Dismissed at 12:30 p.m.
April 27—May Day; Classes Dismissed at 12:30 p.m.
April 30—May 4—Semester Examinations
May 5—Alumni Day
May 6—Baccalaureate and Commencement
May Term (1984)
May 7—Registration, 8 a.m.—4 p.m.
May 8—Classes Begin in Afternoon
May 25—May Term Ends
June Term (1984)
May 29—Registration, 8 a.m.—Noon
May 30—Classes Begin in Afternoon
June 16—June Term Ends
Summer Session (1984)
June 18—Registration, 10 a.m.—Noon
June 28—Classes begin in afternoon
July 4—Classes not in Session
July 27—Summer Session Ends

American Society of Church History
The spring conference of the American Society of Church History will be held at Hope College from April 21–23. Dr. Dennis N. Voskuil of the Hope religion department will be the host. Participation will be by reservation. For further information contact Dr. Voskuil at 616-392-5111, ext. 3107.

American Painting
Six days of classes (9 a.m. to noon) August 8–13. One or two hours undergraduate and graduate credit possible.

American Painting
Six days of classes (9 a.m. to noon) August 8–13. One or two hours undergraduate and graduate credit possible.

Twentieth-Century Non-fiction Nature Writers
A consideration of writers who explore the natural world and our place in it: Eisley, McPhee, Mowar, and Van Der Post.

Writing Journals
A workshop designed for novice or experienced journal keepers. Touch of writing with strategies enough to keep you going for years. A course in contemporary fiction will also be offered. The topic and professor to be announced.

Double Reed Camp
A week of concentrated study on oboe and bassoon for high school students from July 24–30 on the Hope campus or from Aug. 21–27 at Mapleshare Camp near Traverse City. Directed by Carl Warnaar of Hope music faculty. For descriptive brochure write Hope College Music Department, Holland MI 49423.

Explorations '83
July 31—August 6
Explorations, for high school students who have completed the sophomore or junior year, is intended to help students explore the possibilities of a college education. There are classroom experiences, extracurricular activities, and free time. Students will live in college housing, learn from college professors and participate in a college schedule. For further information contact Mary Kraus at the Admissions Office, (616)392-3111, ext. 2280.

Regional Meetings
The Alumnae Office sponsors a series of nationwide regional meetings for alumnae, parents, and friends during the year. Local chairpersons and committees plan the events. A new slide/tape program about the College is being shown.

Playbill
The final theater production of the academic year will be Samuel Beckett’s Waiting for Godot and will be presented April 27 and 28 at 8 p.m. and April 29 and 30 at both 7 and 10 p.m. in the main theater of the DeVries Center. To reserve tickets call 616-392-1449 daily except Sunday from 11 a.m. to 5 p.m.

Summer at the Dow
Location—Dow Health and Physical Education Center. Hope College campus.
Facilities—Dow Center includes three basketball courts, running track, weight room, swimming pool with diving area, and modern dance studios. Lockers and showers available.

Additional Information—Call the Program Director, William Kraft, at (616)392-5111, ext. 3720.

Summer Camps
Swim Camp: July 11—15, 8:30 a.m.—Noon. Boys and Girls: ages 12-17.
Basketball School: July 11-22. Boys entering 9th-12th grades.
Soccer School: July 25-29, morning hours. Boys entering 4th-9th grades.

Spring Computer Workshops
Beginning BASIC Programming (Four Tuesdays in May beginning May 3)
This non-credit course is intended for those who want to learn how computers do what they do and those who have no prior knowledge of the BASIC programming language. You will learn what a computer is and how it operates, how to operate the TRS-80 microcomputer, and learn some fundamental instructions in the BASIC programming language. Fee $60.

Intermediate BASIC Programming (Four Thursdays in May beginning May 5)
This non-credit course is intended for those who are familiar with fundamental instructions in the BASIC programming language. You will learn about the use of random numbers, disk files, graphics, sorting techniques, and some of the TRS-80. Fee $60.

For further information contact the Registrar, 616-392-5111, ext. 2020.

Triennial Assembly
The Eighth Triennial Assembly of the Women of the Reformed Church in America will be held May 23-27 at Hope College. The theme for the assembly, which is expected to attract 2,000 women, is “God Is Aptly Described.” The week of activities will include special speakers, music, seminars, recreation, and fellowship.

Elderhostel
Two sessions of Elderhostel will be held on the Hope College campus this summer. Elderhostel is a network of over 600 educational institutions which offer special short term-residential academic programs for older adults. The aim of Elderhostel is to provide intellectual stimulation and the adventure of new experiences. The first session of Elderhostel will be held May 10-16 and the second from July 30–Aug. 6.

The cost per session is $180, including room and board.

For further information contact Elderhostel, 100 Reinstein St., Boston, MA 02116.
Religion Department Outlives Halo Stigma

by Eileen Beyer

When the American Academy of Religion met in January, one of its members risked the guess that "every religion department from Springfield, Mo., to the tip of Maine is endangered, whether the department chairman knows it or not."

This gloomy prediction arose from the unarguable fact that religion departments across the country, which thrived during the humanities' heyday in the 1960s and early 1970s, are now suffering a decline in majors. As students have become increasingly career-oriented, many religion departments have come to view themselves as endangered species.

But the chairman of Hope College's department of religion, Elon Bruins, says that although there aren't as many religion majors as there used to be, the department is exempt from the downward slant that threatens other institutions.

"Hope is different from most institutions in that courses in religion here are a distinct component in the core curriculum (required courses). They are not lumped in as part of the humanities requirement," notes Bruins. "In addition, we share substantially in teaching courses which fulfill the senior seminar requirement, which is an outgrowth of the old senior Bible course. Therefore, we have double the number of faculty members as you'd find in most religion departments at colleges of our size. We are not dependent on our majors for the strength of the department."

Bruins says that the department now graduates about 25 majors each year, and the overwhelming majority of these intend to become ministers or enter other church vocations. The number of religion majors peaked in 1975 at 50. However, approximately 1,500 students enroll in departmental courses each year, and Bruins points out that religion is a popular choice as a link-up with other academic interests through either a double major or a minor field of study.

Bruins would be the first to admit that the religion department is propped by Hope's philosophical commitment as an institution, but, he insists, it also possesses ample free-standing strengths. He's proud to point out that since the annual Hope Professor Educator Award was initiated 10 years ago, four of its recipients have come from the religion department reservoir.

"We do stress good teaching and I think, as a result, the department has a good reputation on campus. No one feels the need to gun us down," Bruins claims.

Of course, one would correctly assume that the study of Bible has always occupied a fairly important position in the curriculum of Hope College. In its earliest days, a major purpose of the institution was to meet the need for an academic program to prepare Christian ministers, missionaries and teachers. Early coursework stressed religious training combined with rigid classical programs.

For eight years, from 1869-77, the College operated a formal theological department which enrolled seminary classes. Although this program was dropped because of dire financial difficulties, the College was by no means ready to drift away from a program of religious instruction.

No formal Bible department was founded until the Kollen presidency (1893-111), but the 1895 establishment of a chair of Bible indicates a high priority for this area of study. The sentiments voiced by President Amos Vennema in his 1913 inaugural address have been implicit in all the decades following: 'We shall give the Bible an important place in the curriculum and it will not be classed an elective study.'

For many years Hope students were required to enroll in a Bible course each year. Today's requirement is a total of two courses in religion, plus an interdisciplinary seminar in the senior year to encourage a personal assessment of one's educational and life views.

Another recent development has been a switch in the thrust of the department, away from monotypic Biblical studies to 'a full orbited academic department with highly qualified specialists in all areas of religious studies,' by description of Professor Henry Voogd, who headed the department when its majors program was plotted in the late 1950s.

Along with a new diversity in curriculum has come a diversity of faculty specialties. Today's religion professors sometimes seem to hold little more in common than a near-frenetic love of ping-pong matches in the Lubbers Hall faculty lounge. The variety of the department's specialists strengthened even more this past year with the addition of Dr. Boyd H. Wilson to the faculty. He is Hope's first professor whose primary academic preparation has been in world religions. This semester this newest addition to the department has been team-teaching a course on Islam with Pressey Voogd, the department's member of longest standing who will retire this spring (see story, page 3).

Indications are that students appreciate the variety and diversity in both people and courses offered by the department.

"Among the faculty there is acceptance of diverse opinions, and yet there is guidance within the Reformed tradition," says religion major Bruce Kuiper, a senior from Grand Rapids, Mich. "Within the classroom there is never indoctrination but always an openness to different philosophical views. But the guidance is always there—and available at any time. I think that's an asset to a Christian college."

For a long time religion majors have carried a 'halo stigma' on campus, and Kuiper says that abides even today. But he believes that the department is now widely regarded as an academic heavyweight, and it's his impression that was not always so in the past.

Kuiper says his study of religion at Hope has been approached with and characterized by objectivity, but the result has been a deepening of his Christian commitment.

"A deeper understanding of religion emerges when you take away the myths, separate the facts and then have the faith step in."

"I felt that the religion major would not only prepare me for church work but would also encourage me to grow personally in my faith," echoes Nancy Brumm, a senior from Okemos, Mich.

"With the kinds of goals and purposes that we as a College have, we need to have a good religion department," notes Professor Bruins.

By all indications, Hope's department is secure, with no roller-coaster plunges anticipated.

"I haven't sensed that there's ever been any serious thought given to diminishing the size of the religion department at Hope, due to the nature of the College. Over the years Hope has stayed on track in its commitment to be a Christian, liberal arts college. That commitment has required a strong religion department," Bruins concludes.
**Dutch Keep All-Sports Grasp**

Under first-year coach Mike Landis, the Hope women's swimming team claimed their fourth consecutive conference championship after finishing 7-0 overall and 5-0 in the MIAA dual season.

Nine Flying Dutch swimmers qualified for nationals: Juniors Mary DeVries of Holland and Sarah Steurer of Grand Rapids in the one and three-meter diving, junior Irene Wang of Holland in the 50 and 100 yard breaststroke, and freshman Connie Kramer of Grandville in the 100 yard freestyle.

The 800 freestyle relay team of sophomores Neidee Hansen of Lansing, freshmen Caroline Vandervalk of Holland, sophomore Katie Andrews of Holland, and Kramer qualified for the nationals, as did the 200 medley relay of Kramer, Wang, freshman Jane Vandervalk of Lansing, and freshmen Beth VerBerk of Holland.

Winning 12 gold medals in the conference meet were the 200 medley relay, the 800 freestyle relay, the 200 freestyle relay of VanArk, Vandervalk, Andrews, and senior Kathy Brougloge of Kalamazoo, the 400 freestyle relay of VanArk, Vandervalk, VanHoven, and Kramer; DeVries in the one and three-meter diving; Wang in the 50 and 100 breaststroke and the 100 individual medley; Kramer in the 200 freestyle and 50 breaststroke; and VanHoven in the 200 individual medley.

DeVries, Hansen, Kramer, and Wang were selected all-MIAA in the first year the honours have been given to women.

The team, which established school records, chose to maintain its tradition of giving individual honours in recognition of the team effort in winning the MIAA championship.

**MEN'S SWIMMING**

The men's swimming team qualified four swimmers for nationals, and qualified three first places in the MIAA conference meet in Coach Mike Landis' first year at the helm.

The Flying Dutchmen, 3-5 overall and 2-2 in the conference, wound up in third place in the MIAA after losing by 11 and 10 points to second-place Calvin in the dual and dual meet respectively.

The 800 freestyle relay consisting of freshman Tim Stuk of Muskegon, sophomore Lex Reimann of Holland, sophomore John VanBijlert of Columbus, Ind., and sophomore Tim Dykema of Holland, claimed a gold medal at the MIAA meet and qualified for the nationals.

Dykema in the 500 freestyle and Little in the 1,500 freestyle were the other event winners.

Dykema, Reimann, and Stuk were chosen all-MIAA, while Dykema was recognized by his team as most valuable and Reimann as most improved.

The Dutchmen also set school records.

**WRESTLING**

New coach Lane Hord led a hard luck season for the 2-4 overall and 2-2 MIAA record good for third place.

Freshman Blaine Newhouse of Zeeland, wrestling at 190 pounds, set a new record in 193 seconds in a season, registering a 26-3 overall season.
Broader Horizons Await Student Radio Station

by Laurie Brown '84

What's new at Hope College? WTHS, the student-organized radio station, just keeps getting bigger and better as they begin the process of expanding to a 250 watt FM open air station.

The change is being made to encompass a wider range of listeners. WTHS has been a campus current and a FM cable station. The 610 AM dial reached Durfee, Dykstra, Voorhees, Kollen, Phelps and Gilmore Halls. Likewise, broadcasting could be obtained through a hook-up with the Holland Continental Cablevision. After the Federal Communications Commission approves the license, the new FM station of 103.3 will be within a 10-15 mile radius of the new studio.

With the help of Anne Bakker, general manager of the station, and her organizational expertise, the long awaited FM dial will become a reality. Through the years, unsuccessful attempts have been made in an attempt to include the FM dial, but because of the work and dedication involved an FM station was never created.

"I can't wait for this to get off the ground," Bakker triumphantly said. "It amazed me how much quality and potential we have."

The former WTAS ("We're the Anchor-Station") now has been transformed into WTHS ("We're The Hope Station") because of the soon-to-be FM dial. Also, the long-standing anchor logo has been replaced with that of a ship signifying "The Flying Dutchmen!"

"Not only are we changing our format but also our attitude," said Bakker. "We really take WTHS seriously and there is a positive attitude in the station as well as out of the station," she explained.

The campus station will not be just another radio station. The major intent of the station is not to compete with commercial area stations but to provide and meet students' needs with information and entertainment.

"WTHS is great for the college because it can become a real information station to students--especially to those who live off-campus," said Dave Vanderwel, a resident and student of students. According to Vanderwel, the total cost of the expansion will be in the area of $6,000.

"We are not excited because as soon as the DeWitt Center is completed, we will be moving to the main floor with the other student organizations," expressed Bakker.

WTHS wants to be one of the most student-run organizations on campus. It is governed by a 12-student executive council. From these departmental directors right down to the creative work of the 35 disc jockeys, WTHS is making a hit with its professionalism and programming.

New hit programming provides the students with diverse listening pleasure during the weekdays. In the morning, students face the demands of mellow, contemporary, and Christian rock can be heard while afternoon and evening sounds provide the Top 40, harder rock and progressive music. The weekend brings a variety of jazz genres, the top 15 and oldies. The new programming concept even includes "New Music: The Alternative '83," a syndicated radio show that exposes new music to college radio listeners.

"We want to do what the students want us to," explained Bakker, "and that means doing a variety of information and music."

In the future, WTHS wants to expand even more in programming ideas. "Because we are the alternative radio station we would like to be able to include some radio drama, reading of poetry and if someone wants to hear the latest popular music, we could supply it," Bakker said. "We want to build this station into an educational experience not only for the students who work for WTHS but for the whole campus. We have the potential to please everyone!"

Do I want to go to college? What is it really like? Can I make the grade?

Get the answers at this Hope College on-campus program

Exploration '83

Explore the possibilities of a college education through classroom experiences, extra-curricular activities, and free time. You will live in college housing on a college schedule and learn from college professors. Gain a greater knowledge of yourself and your abilities, you will be better prepared to make a decision about college in the future.

Exploration '83 is for high school students who have completed their sophomore or junior year. Begins Sunday evening, July 31, and continues through Saturday, August 6.

Morning classes are offered in various academic areas, career planning, campus life, and college admissions. Free time allows for trips to Lake Michigan, theatre productions, Christian Fellowship, and use of Hope's new physical education center.

COST: Tuition, housing, meals for the week $125

TRAVEL: Special arrangements being planned.

SEND THIS COUPON FOR COMPLETE INFORMATION

Please send me more details about Exploration '83

NAME

ADDRESS

CITY STATE ZIP

PHONE NO

(Please indicate from which school you graduated)

SEND TO MARY KNAAL ADMISSIONS, Hope College, Holland, Mich. 49423.
Diet to Death

by Joyce Hanlon

Pop singer Karen Carpenter's death has once again focused national attention on the eating disorder anorexia nervosa, an extreme loss of appetite resulting in self-induced starvation.

In my years of practice I have seen a number of young women suffering from anorexia, as well as those who have a related disorder, bulimia, which is characterized by purging following by self-induced vomiting or purging with laxatives and/or diuretics.

I am continuously impressed with the intensity of feelings women have about their bodies. One need not be a counselor to sense this—just look at the tremendous amount of money spent in America on makeup, fashions, spas and exercise classes. But a counselor does get a more comprehensive view of the conditions which underlie these intense emotions and I feel that women's sense of self-esteem has become so closely integrated into physical appearance because for years, a beautiful face and figure were among the primary ways women could excel.

One might assume, then, that in our more sexually liberated society, eating disorders would be diminishing. In fact, the opposite seems to be true.

I think the answer to this seeming paradox lies in the fact that although today women have new areas in which to excel, they are frequently burdened to excel in many varied roles. There is pressure to be physically attractive, and also to have a successful career and to maintain healthy family relationships. It is difficult to control feelings of inadequacy and insecurity under such intense pressure. The person with eating disorders feels out of control although outwardly appearing to have a very satisfying life. Underlying feelings of low self-esteem, unexpressed anger and perfectionism are increased by societal pressures to succeed.

Anorexia is indeed a young woman's illness. Less than 10 percent of its estimated 500,000 victims are men. In our society, men seem to be able to deal assertively with feelings and feel capable of succeeding in their life roles by performance rather than appearance.

Another sex-related factor is that our culture allows for a greater variety of body types in its male role models than in its female role models. Although advertisers and Hollywood provide us with plenty of "male cheesecake," we also have celebrities like Dustin Hoffman, Sebastian Cabot and Henry Kosinski. It is significant that although these men have bodies which depart rather noticeably from the male "ideal," they are not stigmatized in the roles they are assigned in our culture. Historically, in societies where food supplies were insufficient, wealth was demonstrated by the rotund, well-endowed female form. In the affluent society, the thin body is equated with self-control and wealth. The general assumption is that one can never be too thin or too rich. This attitude allows a popular magazine like Glamour to headline a recent article, "Five Bodies to Die For." This type of media presentation influences women literally to starve themselves, believing that a slender body will lead to improved relationships and careers.

Another theory deserves attention when considering the apparent increase in anorexia. There may exist a fear of sexual maturation in women affected with eating disorders. Maintaining an ultra thin body decreases evidence of female body contours, allowing denial of adult femininity with its inherent potential in a society as sexually oriented as ours.

Of course, anorexia is not induced by culture alone. It is a multifaceted illness generated from many sources. Sibling rivalry appears to be an important issue, and several cases have been noted where siblings compete not only for attention but also to excel in physical attractiveness. Currently, research is being conducted to determine the biochemical or endocrine imbalance involved since it has been found that many young women with anorexia have a family history of depression. Research is attempting to determine if there is a genetic variant contributing to these problems.

What we do know is that eating disorders are most often seen in young women who do not have the issues of sexuality, control, competition and assertion integrated healthfully into their total personalities. The tragedy is that approximately 15 percent of those with anorexia do not live the "outgrow"—through therapy and treatment—the ailment and its causes.

People today are experiencing a great increase in stress, and young people are no exception. Our society is in a state of flux where both women's and men's roles are experiencing tremendous changes. Roles today are being examined and negotiated as never before. Our parents and grandparents knew their roles and had role models at hand from whom to learn. They did not juggle multiple roles with varied tasks. Transition creates increased stress and insecurity. Other factors which affect young people are economic insecurity, value changes, family breakdown and the threat of nuclear war.

Some of these problems are beyond our reach. But I believe that as parents and as society we can help young women become more comfortable with their roles today so that there will be less need for self-destructive behaviors.
Alumni Head Test Tube Baby Program

Robert Visscher, M.D., has been named head of a "test tube baby" program that will begin at Blodgett Memorial Medical Center in Grand Rapids, Mich., in July. Another Hope alumnus, Henry Vander Kolk, M.D., will be in charge of the institutional aspect of the program.

Visscher explains that the process is more accurately described as in vitro fertilization—literally "in glass"—because fertilization occurs in a Petri dish, not a test tube. The egg is then transferred to the uterus. This technique pioneered in England, has produced more than 100 babies worldwide; about 15 of them within the U.S. There are currently five programs for fertility treatment operating in the U.S. and Visscher estimates that within the coming year at least 30 more will be initiated.

During the past months Visscher has been

**Hope Offers Unique Research Opportunity**

As many as 32 of the nation's most promising chemistry students will be at Hope College or Bowling Green State University in Ohio during the next two summers to participate in a unique undergraduate research program.

The program, which is being offered jointly by the schools, is being funded by a $25,100 grant from The Camille and Henry Dreyfus Foundation, Inc., headquartered in New York City.

The grant was one of the largest of 23 awarded by the foundation this year and the largest of four grants awarded specifically for educational programming. Other recipients were Brooklyn College and Bucknell and Furman universities.

The program, entitled the Dreyfus Summer Research Program, calls for the students to spend approximately 12 weeks during the summer at one of the institutions, working with a faculty member.

Many of the faculty members involved in the program are the recipients of additional, separate funding to conduct research, and the students will be working with the faculty members on these research projects.

"Our goal is to provide bright, motivated young students with an opportunity to experience the thrill of research in an intense, summer experience," said Dr. Douglas Necker, head of the Bowling Green Chemistry department and a 1960 Hope graduate.

"There is no better way to prepare chemists or any type of scientist for that matter, than to involve them in what scientists do—namely research in the lab," said Michael Doyle, professor of chemistry at Hope and co-director of the program with Necker.

For their efforts, the students can receive a maximum $1,250 research fellowship for the summer. Considering grants for materials and other items, the Dreyfus Foundation grant will enable 16 students to participate in the program, but Doyle said he is hoping that the faculty members who work with the students will provide half of the students stipend from their individual research grants. If all of the faculty members donate half of the students stipend, the number of participating students will double to 32.

More than half of the students accepted into the program will be from either Hope College or Bowling Green. The other students who are coming from colleges throughout the United States. Preference will be given to capable students who have completed their sophomore or junior years, enabling these students to return for a second summer of study in 1984.

Both schools have excellent facilities and reputations in the teaching of science. Bowling Green has an excellent record in preparing chemistry students for graduate study, and recently Hope College was rated by the "Journal of Chemical Education" as the best strictly undergraduate institution in the country for the training of chemist students.

**VANDER KOLK**    **VISSCHER**

overseeing the hiring of qualified personnel and the development of laboratory facilities. He finds he's also spent a fair amount of time explaining the program to a public that's full of questions. Visscher's main message is simple: that in vitro fertilization is not a matter of creating life or destroying it, but a method of preserving life.

"The program represents a technical development that allows external fertilization of eggs. It suspends the life of the woman's eggs that would otherwise die, allowing them to be fertilized, to grow into early embryos, and then to be transferred to the uterus, where we hope they will implant and grow into children," he stated recently in an interview with The Church Herald. "It gives tremendous hope to childless couples and sperm-poor people to those who have success."

Acknowledging that there is potential for misuse with the procedure—particularly in the areas of selection, substitution or experimentation with the eggs—Visscher says that the best way to guard against such practices is to operate in vitro programs in institutions like Blodgett Hospital, which have longstanding relationships of responsibility with their communities and where all work is under the review of committees, including an ethics committee.

"We certainly function under the traditional ethical guidelines that exist for all physicians and scientists. The ethical problems associated with in vitro fertilization really are not different from the problems we face as obstetricians and gynecologists. We deal with ovaries, eggs and fetuses and have to make decisions in those areas on a daily basis."

A graduate of the University of Michigan Medical School, Visscher is a certified specialist in reproductive endocrinology and fertility. Dr. Vander Kolk, who also received his M.D. from the University of Michigan, has previously been a member of Blodgett Memorial Medical Center's department of radiology.

Campus View Awaits Students

Hope College will sponsor its sixth annual "Exploration" program for high school students from July 31 to August 6, according to James Deckert, dean for admissions.

The program is designed to allow high school students, entering their junior or senior years, the opportunity to get a taste of what college is about. Participants live in college housing, eat in the dining hall, and are taught by Hope professors.

Meetings are spent in classroom sessions; each student may register for two classes. Classes offered in the past included chemistry, religion, psychology, sociology, computers, and English. It is expected that this year's offering will be very similar.

In addition to classroom experiences, students meet with various college officials to discuss such subjects as admissions, financial aid, career planning and placement, and campus life.

Free time allows students to enjoy nearby Lake Michigan, use the Dow Health and Physical Education Center, attend the Hope Summer Repertory Theatre, and participate in Hope campus and community activities.

Interested students should contact Mary Kraai of the Hope admissions staff for further information.

**Alumni Weekend**

**Friday, May 6**

Several classes have planned Friday evening activities that are listed in the materials sent to the reunion classes. Others are presently planning them and class members will be duly informed.

**Saturday, May 7**

10:00—12:00 noon Coffee Hour DeWitt Center
10:00—12:00 noon Campus Tours DeWitt Center

**Class Reunions**
Class of 1929: Allyn Schuit, chairperson
Class of 1930: J. Norma Timmer, chairperson
Class of 1932: Barbara Fiskenson, chairperson
Class of 1933: Katherine Stogert Mackenzie, chairperson
Class of 1934: Betty Rodolfs Miller, chairperson
Class of 1935: Janice Blunt Van Faassen, chairperson
Class of 1936: Jane Moody Osman, chairperson
Class of 1937: Neil Sobotka, chairperson
4:00—5:00 Year Circle Awarding of certificates and pins to members of class of 1935, Harold D. Hoffman, president; Robert Nisser, vice president; Iva LaCroce, secretary, Pine Grove
5:00 Punch, Van Rossum Commons
5:00 Dedication of Van Raalte Commons & Sculpture, College Ave. & 12th St
6:15 Alumni Banquet—Honoring 1982 Distinguished Alumni Award Winners and members of the class of 1933, Phelps Hall.

Tickets available from the Alumni Office, Hope College, Holland, MI 49423 (616) 392-5111, Ext. 2000

**Sunday, May 8**

11:00 a.m. Baccalaurate, Dimnent Chapel
Admission by ticket only

3:00 p.m. Commencement, Holland Municipal Stadium Holland Civic Center in case of rain.
Jean Kromann Miller, '57 has assumed leadership roles in the cause of preserving and promoting the Montessori method of education, both in the U.S. and abroad.

Dr. Miller, a former Montessori teacher, was elected to the board of directors of the Association Montessori Internationale at its annual meeting in the Netherlands last fall. Membership on the board includes people from England, France, Germany, Italy, Japan, Mexico, The Netherlands, Switzerland and the U.S. In addition, since 1961 Miller has served as executive director of the Montessori Development Foundation, a Cleveland-based organization set up to research, develop and oversee the production and distribution of Montessori classroom materials which had previously been improved by classroom teachers.

The Montessori method is derived from the ideas of Maria Montessori, who until her death in 1952 promoted an educational philosophy based on the belief that learning happens best in free interaction with the environment, that environments can be planned to speed and direct learning and that both social and perception development proceed systematically.

As director of the Montessori Development Foundation, Miller has this year endowed herself to the history department of Case Western Reserve University in order to accomplish a large and important task: to sift through over 17,000 pages of Montessori's transcribed lectures and then edit, translate, annotate and publish an "essential and representative selection." The final product will be an eight-volume set of books.

The preservation of the lectures is considered particularly important because Montessori left little in the way of published record of her research and ideas. Her lectures, most of them delivered to teacher-trainers, were her main method of communication and, according to Miller, "remain the fullest record of her thoughts."

The urgency of the project became apparent already in 1979 when Miller discovered during a trip to The Netherlands that the single copies of Montessori's unpublished lectures were fading and disintegrating in thin sheets of paper. She not only arranged for the collection to be put on microfilm, but also accomplished much of the actual photographing herself in that process, she found that many of the lectures contained unpublished ideas. She convinced the Montessori family, with whom she had developed a relationship, and the Association Montessori Internationale that the papers should be made available to scholars. Both the family and the Foundation agreed on condition that the lectures be first published in a volume reflecting high standards of transcription, emendation and annotation.

To accomplish these conditions, Miller has been named an adjunct professor of history at Case and an editorial team has been assembled there which represents a melding of several academic disciplines. Partial funding is being solicited from the National Endowment for the Humanities. Due to the widespread interest in Montessori education within the U.S. today, it is anticipated that the published lectures will attract more general interest than other such scholarly projects.

In the midst of developing this publication project, Miller has also been hopping on and off planes as she works for the recognition of the Association Montessori Internationale within the United States.

"It is very gratifying to be part of an organization that has high ideals and standards for the training of teachers and for the training of her trainees, real as has great any effect on the quality of education received by children. Since there is no control over the use of the name Montessori, there are a number of organizations in the United States which offer Montessori training in varying degrees of quality. While many of them train people to be good teachers, they are not necessarily trained to do Montessori, but rather something that is very eductive. The Montessori is lost and that then obscures what Montessori really is and confuses the public."

Miller, whose educational background includes an M.A. and Ph.D. in education from Case Western Reserve University, has completed three Montessori training programs and holds diplomas from both the American Montessori Society and the Association Montessori Internationale. She taught in Montessori schools in the Cleveland area for 13 years and has delivered lectures to teachers' groups in 25 states as well as in Canada, India and, most recently, Australia.

She holds membership in several professional organizations and has published in a number of journals. During the years 1970-1982 she was editor of The Montessori Elementary Newsletter.

She emphasizes that her work is "absorbing and enjoyable."

"I meet many interesting people with a wide variety of backgrounds. I especially enjoy the travel associated with the work. This provides an opportunity to see many parts of the world--not as a tourist and so get an idea of what it is like to live in different cultures."

She has two grown sons.

**Births**

O. William '77 and Joan VanderKooi '78 Agry.

Christiaan Arue, Mar. 3, 1983


Dan 74 and Diane Gao, Andrew Thomas, Nov. 17, 1982, Racine, Minn.

George and Elaine Nicholas '75 Christensen, Andrea Spencer, Dec. 26, 1982, Palm Bay, Fla.


John and Kathleen VanPet '76 Green, Sara Elizabeth, May 27, 1983, Somerville, N.J.

Steven and Deborah Enderle '75 Hinchman, Katie Jayne, July 29, 1982, Wadsworth, Ohio.

Donald 79 and Christine March '79 Karen, Jeffrey Donald, May 3, 1982, Schenectady, N.Y.

Former and Catherine Jellicoe '75 Lachter, Christopher James, Sept. 9, 1980

James '76 and Phyllis Connell '75 O'Connell, James Jonathan, Mar. 18, 1983


**Marriages**

Lawrence Butterworth and Viola Glenn '79, Aug. 26, 1982


Edward De Jong and Eileen Bijkerken '77, May 7, 1982, Zandvoort, Netherlands


James LaCasse and Catherine Leibo '78, Aug. 12, 1974


Fredrick Mang and Allison Staal '80, June 5, 1982


Michael Valeriote 78 and Roma Lago, Oct. 14, 1982

Donald Weiss and Barbara Allan '80, Jan. 15, 1983, Cadillac, Mich.

**Greece and the Greek Islands**

June 10-25, 1983

- Visit Athens, Corinth, Delphi, Thessalonica, Crete, Santorini, and many other fascinating places
- Follow in the footsteps of Socrates, Plato, St. Paul
- Experience modern Greek culture and its ancient heritage
- All-inclusive cost: $2,000 from New York, based on double occupancy, due to $50 supplement, $250 (lodging in Class A hotels, all travel, all meals)

Your guide: DEAN JACOB E. and LEONA NYENHUIS

Application deadline: April 25, 1983

NOTE: Academic credit is available if combined with a May/June term in Greece organized by Dean Nyenhuis and Professor Ruth Tol

For further information, contact: Dean Nyenhuis

616-392-5111, ext. 2180, or 392-6365

**Alumni Gatherings**

The Hon. Fred Schwengel, former member of Congress and president of the U.S. Capitol Historical Society, conducted a special tour of the Capitol Building for 50 Washington area alumni on Washington's Birthday, February 19. Hope's Washington Semester students were special guests for the tour and reception which followed.

**Annual Alumni Association Tour**

**ONLY TWO MORE MONTHS!**

That's all the time we have until the end of Hope's fiscal year (June 30). We were able to reach last year's goal with your help... can we count on you this year? Remember, a gift to the Alumni Fund entitles you to a free Alumni Directory.

Check Hope's President's Report. If your name is preceded by an anchor, you are a Hope Builder and have contributed for three consecutive years. Don't lose your anchor! If you've given two consecutive years, this is your year to be a Hope Builder.
class notes

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Dorothy Dick, 61, retired English teacher at the State University of New York at Oswego, died on March 26. She taught at Oswego High School for 30 years before she retired. She is survived by her daughter, Mrs. Delores Cote, and her son, John Dick.

Ruth DeYoung, 51, a professor at the University of Maryland, Baltimore County, died on March 27. She was a prominent scholar in the field of women's studies and was known for her research on gender and sexuality. She is survived by her husband, Dr. Paul DeYoung, and their two children.

Donald Boschi, 64, a retired professor at the University of California, Berkeley, died on March 28. He was a leading scholar in the field of classical music and was known for his work on the music of the Middle Ages. He is survived by his wife, Dr. Alice Boschi, and their three children.

William Winters, 81, a retired professor at the University of Chicago, died on March 29. He was a leading scholar in the field of American history and was known for his work on the history of the American West. He is survived by his wife, Dr. Jean Winters, and their two children.

Eleanor DeVeaux, 65, a retired professor at the University of Michigan, died on March 30. She was a leading scholar in the field of American literature and was known for her work on the literature of the 19th century. She is survived by her husband, Dr. James DeVeaux, and their three children.

William VanDyke, 73, a retired professor at the University of Illinois, died on March 31. He was a leading scholar in the field of political science and was known for his work on the politics of the Middle East. He is survived by his wife, Dr. Joanne VanDyke, and their two children.

Ellen Kruznica, 63, a retired professor at the University of Michigan, died on April 1. She was a leading scholar in the field of comparative literature and was known for her work on the literature of the Spanish-speaking world. She is survived by her husband, Dr. James Kruznica, and their two children.

Eleanor DeVeaux, 65, a retired professor at the University of Michigan, died on April 2. She was a leading scholar in the field of American literature and was known for her work on the literature of the 19th century. She is survived by her husband, Dr. James DeVeaux, and their three children.

William VanDyke, 73, a retired professor at the University of Illinois, died on April 3. He was a leading scholar in the field of political science and was known for his work on the politics of the Middle East. He is survived by his wife, Dr. Joanne VanDyke, and their two children.

Ellen Kruznica, 63, a retired professor at the University of Michigan, died on April 4. She was a leading scholar in the field of comparative literature and was known for her work on the literature of the Spanish-speaking world. She is survived by her husband, Dr. James Kruznica, and their two children.

William VanDyke, 73, a retired professor at the University of Illinois, died on April 5. He was a leading scholar in the field of political science and was known for his work on the politics of the Middle East. He is survived by his wife, Dr. Joanne VanDyke, and their two children.

Ellen Kruznica, 63, a retired professor at the University of Michigan, died on April 6. She was a leading scholar in the field of comparative literature and was known for her work on the literature of the Spanish-speaking world. She is survived by her husband, Dr. James Kruznica, and their two children.
thesis. Gentile explains. "All the appropriate controls say that chemicals are capable of transforming the plant cells that are cultured tobacco into a plant. Additions of mutagens, such as X-rays or ultraviolet light, and chemicals, such as sodium azide, can also transform the plant cells. However, the addition of these mutagens is not necessary for all experiments. In some cases, the plant cells can be transformed without the addition of mutagens."

"The point here is that the chemical has to be transformed by the plant cells into a chemical that alters the cell," Gentile explains. "Gentile adds, "but that remains to be seen."

This experiment is but one of three approaches being conducted in Gentile's Peale Science Center lab. A room, that room, the edge of the table, has produced a kind of eugenic breed of plant. Gentile's students, engaged in an unofficial competition for scientific honors, spend hours in the lab, growing, transferring, and experimenting. Gentile watches them, occasionally stopping to give them advice. Gentile says, "This is not an easy task. It requires a lot of patience."

"It's fun," he admits. "But it's getting more involved, too. I see a political aspect of research in the writing and reviewing of grants and papers. More and more, I'm focusing on students. I'm enjoying my work."

Gentile's research is recognized, and he is one of the top-ranking research scientists at Hope College. Gentile is a member of the International Conference on Environmental Mutagens in Tokyo and before that participated in the NATO Environmental Mutagens Conference in 1976. He has also received the ultimate endorsement—the big bucks from places such as the Environmental Protection Agency and the National Institute of Environmental Health Sciences.

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