Fall minority enrollment increases by 8.7 percent

Minority enrollment at the University for fall 1990 is up 8.7 percent over last fall, according to figures recently released by the Office of the Registrar.

There are 1,717 minority students taking classes on campus this year. That's 7.3 percent of the total record on-campus enrollment of 23,430. Last year's total of 1,579 minority students comprised 7 percent of the total on-campus enrollment of 22,719.

Susan B. Hannah, assistant vice president for academic affairs, said the University has made "steady progress" in attracting and retaining more minority students. This is the eighth consecutive year minority enrollment is up. "In nearly every category, we've seen increases," she said.

The breakdown by ethnic group, with last year's figures in parentheses, is: Native American, 70 (64); Asian, 245 (196); Hispanic, 188 (178); and Black, 1,214 (1,141). The minority enrollment figures do not include international students.

Of the 1,717 total minority students, 1,491 are undergraduate students and 226 are graduate students. Last year, there were 1,367 minority undergraduate students and 212 minority graduate students.

While total on-campus transfer enrollment is up 7 percent over last year, minority transfer enrollment has increased by more than twice that amount -- 16.5 percent. Minority transfer enrollment has increased by 16.5 percent over last year, minorities and 212 minority graduate students.

Among those efforts is the Black College Program, which offers at least $12,000 in assistantships and financial aid for minority students. In addition, the University hopes to better monitor the progress of minority students through the system in order to improve graduation rates, which continue to be about 1 percent below those of the majority students.

Federal funding will support "math revolution" Federal funding will support "math revolution"

A project that state educators believe will revolutionize the way Michigan children are taught mathematics is being implemented under the direction of two WMU faculty members.

New federal funds totaling $340,382 have been awarded through the Michigan Department of Education to support the WMU-based Michigan Mathematics Project, according to Allan Laing, professor of mathematics.

The project is a collaborative effort between the Michigan Department of Education and the Michigan Council of Teachers of Mathematics. Robert A. Laing and Ruth Ann Meyer, both mathematics professors, are the project directors.

The one-year grant will be used to implement the first step in a statewide effort to enhance the mathematics teaching and learning skills of nearly 300 Michigan elementary school teachers. Nearly five years and a significant level of input from the Michigan business community will be required to fully implement the project.

According to Charles R. Allan, mathematics specialist with the Michigan Department of Education, the WMU-based project is the state's main thrust in mathematics education reform. He says the purpose of the project is to "revolutionize the way math is taught in terms of its size and the amount of time resources that school districts will be asked to allocate.

"This is the first major commitment that we have asked school districts to make in the area of professional development," Allan says. "There's a big, big project that requires a big commitment from school districts, but it is exactly what we need to do.

In addition to Meyer and Laing, the project will involve the faculty and resources of all of the other teacher training institutions in Michigan as well as school districts across the state. Funding for the project comes through the state under the federal government's 1990-91 Higher Education Competitive Grant Program of the Eisenhower Mathematics and Science Act.

The purpose of the project is to prepare teachers in grades K-8 to accomplish the Michigan Essential Educational Objectives for Mathematics Education that have been adopted and are due to be reflected in the Michigan Department of Education Assessment Program (MEAP) testing in the fall of 1991. Estimation, mental arithmetic, utilization of calculators in the classroom, critical thinking, problem solving and problem solving are key elements in the project's goals and the instructional materials designed to accomplish them.

Earlier this year, Meyer and Laing were honored with a $145,000 grant to direct the Michigan Department of Education at the students' track record of the instructional materials upon which the project will be based to lay the groundwork for implementation of the project.

The grant will be used to provide a core group of the state's leading mathematics educators with information about the instructional materials and to support seven project field directors stationed around the state. Those field directors will act as liaisons between state project directors and local school districts trying to arrange training opportunities for teachers.

The grant will fund a Nov. 11-12 conference at Michigan State University to familiarize some of the state's top educators with the new training materials that have been developed. That group of 100 Michigan math educators will serve as the project's "core group of consultants." Evaluation of the training materials will also be funded by the new grant.

The next step in the process, according to Laing and Meyer, is to recruit, instruct and certify each of the state's top educators with the new training materials. Evaluation of the training materials will also be funded by the new grant.

The next step in the process, according to Laing and Meyer, is to recruit, instruct and certify each of the state's top educators with the new training materials. Evaluation of the training materials will also be funded by the new grant.

The Center for the Study of Ethics in Society also has announced that the pre-

Volume 17, Number 9

WESTERN MICHIGAN UNIVERSITY

It brings out the best in all of us.

United Way

While the campus United Way drive officially ended Oct. 31, donations are still coming in and being counted. As of Oct. 30, a total of $105,837 had been collected for 81.4 percent of this year's goal of $130,000. Some 1,147 reemployers and 401 contributors have employees have contributed so far.

'Beyond Duty?' conference to be Nov. 8-9

"Beyond Duty?" is the title of a conference to be presented Thursday and Friday, Nov. 8-9, in Red Room C of the Bernhard Center.

The topic of the conference is supererogation -- the performance of more than is required, demanded or expected or going above and beyond the call of duty. For presentations each will feature a speaker and a commentator, who will initiate discussions by evaluating and responding to what the speaker has said.

The free talks are sponsored by WMU's Philosophy Club. The sessions begin at 11 a.m. with "Beyond Duty?" from 9 to 10 a.m. during the winter 1991 semester.
World changes affect 15 years of CELCIS enrollment

The ripple effect from recent political and economic changes around the world is making waves at WMU's Career English Language Center for International Students.

CELCIS offers intensive language instruction for international students who desire to increase their proficiency in English in order to pursue higher education in the United States. As the center celebrates its 15th anniversary this year, its enrollment continues to be affected by world events.

In 1975, students from Venezuela and the Middle East made up the bulk of the enrollment of 77. Oil supplies in those countries caused students to come to CELCIS to learn English in order to become engineers and executives in the petroleum industry. As the enrollment profile began to change due to a decrease in oil prices and a less favorable economic climate, Laura L. Latalippe, director of the center since 1984, said that Japanese-speaking students form the largest group this fall. Of the 129 total, 44 students are from Japan. The 31 students from Arabic-speaking countries make up the second largest group. The fact that these students have more money to spend because their countries are experiencing economic fortune is just one factor in the current student breakdown, she said.

"Due to the increase in trade between our countries," Latalippe said, "it has become a necessity for the Japanese to learn English. 1975, when we opened our center, was also more now acceptable in Japan. The number of students from the Middle East has not been as strong as before, and in political unrest, she said.

The recent political changes in Eastern Europe also have had a interesting on enrollment. Students from the Communist Bloc countries have reported an increase in enrollment. The reasons for this include an increase in student numbers from Poland, USSR, and Vietnam.

"It is now easier for students to get visas and leave the country," Latalippe added. "As anywhere else, parents of the students want to get their children out of countries where there is potential danger.

The purpose of the George Olmsted scholarship program is to keep the center curriculum fresh and to maintain the quality of students. Students are encouraged to travel around the world and with American students on campus so that they're exposed to in the classroom. The ripple effect from recent political and economic changes around the world is making waves at WMU's Career English Language Center for International Students.

CELCIS is looking for International Students to teach in two- and three-week summer institutes during July and August at WMU.

These are paid positions that do not require the teachers to know a second language. Interested applicants should send a resume and cover letter by Nov. 30 to Laura Latalippe, CELCIS. For more information, persons may call Latalippe at 47800.

---

Student is first Peace Corps intern from WMU

For many Americans, the name Cameroon came to mean soccer excitement and experience a different culture. For a WMU student, Cameroon means two months of travel, adventure and service this winter.

Rebecca K. Kedrowski, a Fairwell native and a junior in the Lee Honors College, has been named the first Peace Corps intern and will serve at Peace Corps offices in that West African nation after the spring and summer holidays.

Kedrowski was one of 22 U.S. students

Senate to meet tonight

President Haniecke is expected to dis- cuss Universiaid's selection on Faculty Compensation at the next Faculty Senate meeting at 7 p.m. Thursday, Nov. 1, in the Safranski, representing the donors, right, Herb Auer, a member of the class of 1940, and his wife Grace Auer, a member of the class of 1939, of Traverse City.

---

Student wins national research award

Nick G. Triantafilopoulos, paper and training science and engineering, is one of 14 engineering students who won the American Paper Institute's 22nd annual George Olmsted Award.

He and Cyrus K. Aidun, the institute's of Science and Technology in at- anta each received $2,500 for their work.

Moms and dads here for Parents Day Nov. 3

Among the fans for WMU's Nov. 3 football game at Kent State University are a large group of moms and dads on campus for the annual Parents Day.

More than 1,100 parents are signed up for a special "family brunch" at the Bernhard Center, according to Charles G. Donnelly, associate dean of students. In the center's lounge, the parents can browse over a number of information packets that will be set up in the second floor lobby.

Donnelly says he also expects to see about 600 tickets for Stivi in Hollywood, fall, travel plans included MacKayl student activities for students in country in India. They can browse over a number of information packets that will be set up in the second floor lobby.

Donnelly says he also expects to see about 600 tickets for Stivi in Hollywood, fall, travel plans included MacKayl student activities for students in country in India. They can browse over a number of information packets that will be set up in the second floor lobby.

---

Faculty member wins national research award

Triantafilopoulos was a graduate student at the Atlanta institute when he submitted the research paper with Aidun for which he earned the scholarship.

Currently, he is a candidate for a doctorate degree from the institute.

The purpose of the George Olmsted Award is to encourage original and creative work in engineering research by young scientists and engineers.

Inselberg hearing conducted Oct. 29

The binding arbitration hearing for Ed- vige Inselberg, biologist, was conducted from 10 a.m. to 6:45 p.m. Oct. 29 on campus.

Articled Maurice Kelman of Detroit has now given the attorneys for Inselberg the paperwork they need to file their briefs with him. He will then try to render a decision within 30 days.

The case is between Inselberg, a 72-year-old pension this semester without pay and other related disciplinary actions for unprofessional conduct.

The University implemented the sus- pension this semester.
Hampton investigates new way to recover underground oil spills with EPA grant

The same principle used to make a raincoat repel water may be used to improve the ability to recover petroleum from spills, according to Hampton, geology, an associate professor of geology at Michigan's Research Excellence Fund. He will use the new grant to continue that work, but will turn his attention as well to the problem of increasing the rate of recovery for the spilled petroleum that is now more accurately measured.

According to Hampton, when petroleum leaks occur around pipelines or underground, the petroleum is typically surrounded by a sand pack so that it is more accurately measured. The purpose of the sand pack is to filter out the smaller soil particle and allow easier passage of the liquid into the well wall.

In the case of oil wells, which are installed to retrieve such petroleum, boats or pipelines blanked or pipes that are nearly identical to water wells are installed to recover the spilled petroleum. Both sand pack research and sand packs are surrounded by a sand pack well so that it is more accurately measured.

One aspect of Hampton's research will be to investigate sand packs of various size, uniformity and sand pack shape to determine if there are any characteristics that would be the most suitable for recovery wells. Working with Marian M. Grant, a Technical Assistant, he will examine the sand pack characteristics and shape combinations.

One of the most promising technology combinations is determined, Hampton will investigate whether that ideal sand pack can be chemical in repelling oil out of the earth's entry of even greater amounts of spilled petroleum. Also, the characteristics being investigated are the same chemical components that may be used for water repellent preparations effective.

The most promising technology combination is to make the sand pack hydrophobic, or repel water, to water, Hampton says. When sand pack granules are coated with oil instead of water, they move through the pack more freely. Because hydrophobic sand packs recover recovery wells in a matter of months, not years, the key is to find a chemical treatment that does not harm the environment or increase the rate of recovery.

One of the major areas of research will be around a sand pack trapper that can be added to a spill to allow investigators to follow to direction and speed of movement as an oil spill travels through the ground.

For more than 100 years, such tracers have been used to trace ground water in the flow. Hampton says, "We'd like to be able to do the same thing with a spilled petroleum product so we can see if recovery wells are doing their job.

Michael E. McCurville, chairperson of the Environmental Science and Chemistry Department, has been working for the past three years on an improved technology to accomplish the same goal.

The different techniques to be studied in the project, Hope says, are based on the basis of an improved technology that can improve the possibility of effective cleanup of soil spills.

"Like timber and nails used in a house, each one in isolation has a certain limited value," he says. "When combined they support and reinforce each other."

On campus

Human Resources

Seminar offered on "Effective Office Behaviors"

To create a professional atmosphere in any office, both supervisory and non-supervisory office workers must interact to develop and maintain a good work environment.

A seminar on "Effective Office Behaviors," scheduled for 8:30 a.m. to noon Monday, Nov. 6, in 204 Bernhard Center, will cover many approaches for creating successful office relationships.

Exchange

WANTED -- People interested in carpooling from Grand Rapids to Kalamazoo.

You may call Hampton at 7-3620.

Libraries

The Music and Dance Library will conduct its annual sale of books, music and recordings Monday through Wednesday, Nov. 5-7. The sale will run from 8 a.m. to 11 p.m. in 3008 Dalton Center.

Jobs

The listing below is currently being posted by employment services in the Department of Human Resources. Interested applicants must meet the requirements for the position and submit a job application to human resources.

Instructor Doreen A. Brinson, human resources, will contact you for an interview if you are interested in completing an application or registration for the appropriate position.

The listing below is currently being posted by employment services in the Department of Human Resources.

In the case of oil wells, which are installed to retrieve such petroleum, boats or pipelines that are nearly identical to water wells are installed to recover the spilled petroleum. Both sand pack research and sand packs are surrounded by a sand pack well so that it is more accurately measured. The purpose of the sand pack is to filter out the smaller soil particle and allow easier passage of the liquid into the well wall.

Human Resources

Seminar offered on "Effective Office Behaviors"

To create a professional atmosphere in any office, both supervisory and non-supervisory office workers must interact to develop and maintain a good work environment.

A seminar on "Effective Office Behaviors," scheduled for 8:30 a.m. to noon Monday, Nov. 6, in 204 Bernhard Center, will cover many approaches for creating successful office relationships.

Exchange

WANTED -- People interested in carpooling from Grand Rapids to Kalamazoo.

You may call Hampton at 7-3620.

Libraries

The Music and Dance Library will conduct its annual sale of books, music and recordings Monday through Wednesday, Nov. 5-7. The sale will run from 8 a.m. to 11 p.m. in 3008 Dalton Center.