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A Publication for Employees of William Rainey Harper College

Volume 6, Number 4 May, 1991

*Belize Study Tour an Adventure*

Belize. Land of balmy breezes, jaguars, the world's second largest barrier reef, Mayan ruins—and a Harper continuing education destination.

On March 29, 16 students and four instructors boarded a jet for the small Central American country. With warnings of a spartan life style (no electricity, no indoor plumbing), the enthusiastic travelers set out to study the people, culture and biology of the land.

"The accommodations were primitive but were clean and well maintained," said tour co-leader Bill Andresen of Harper's biology department, "and I thought the group got along well. There really were no surprises." He added that the group ranged in age from 22 to over 65 years of age.

Harper Graphic Designer Leila Pepper was one of the participants. "The trip was one adventure after another," she said. "The most interesting and educational activity was the snorkeling." She added that the variety and color of the fish was incredible. "I've snorkeled in the Bahamas and Florida, but the coral formations, sea anemones and marine life in Belize were mind boggling."

Andresen stressed that the group stayed together for all learning activities. Harper anthropology/sociology Profes-



**Graphic design department student aide Sharon Vilardo was one of several Harper staff members to participate in the tour.**

or Chuck Norris led the group to Mayan ruins near Belize City and child development Professor Jane Thomas provided a look at the people of the small country (which readers may recall from their school days as British Honduras). Although the country is small—about 185,000 inhabitants—the people deal with many of the same problems urbanites face. Trip participants were surprised to learn, for example, that Belize parents' main concern was that their children might someday contract AIDS.

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## The President's Message

At the April 25 Board meeting, the trustees approved the start of the proposed building and renovation plan. The liberal arts building and a new print shop will be the first new construction. Between now and December, 1991, the architects will provide drawings and bid specifications. It is anticipated that bids will be solicited in January, 1992. Ground will be broken in the spring of 1992 as soon as weather permits.

The liberal arts classroom structure will join Buildings F and P. The new print shop will be built between Buildings M and U, and will also house the graphics and publications departments. The target date for completion of the print shop is fall, 1992, and for the classroom building is January, 1993.

Architects will develop blueprints for the remodeling of Building F in summer of 1992, and the project will be out for bid January, 1993. The work on Building F can begin once the print shop and graphics department move to the new print shop and the liberal arts classes move to the new classroom building. Remodeling is scheduled to begin during spring break, and will continue through December, 1993.

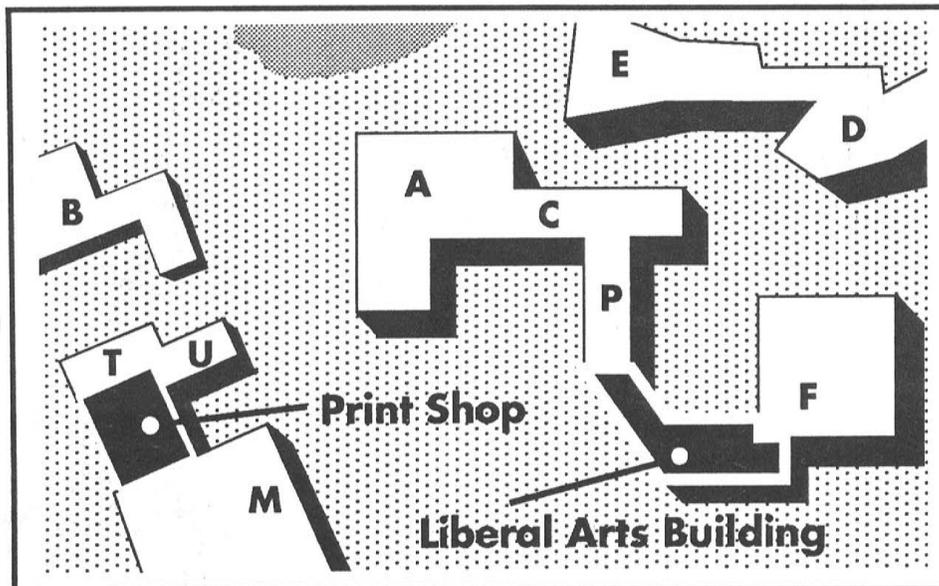
The first and second floors of Building F will house the expanded library (the T.V. studio will remain). The third floor will provide classrooms and office space for the AE/LS division.

the construction of the new buildings.

Normal maintenance and repairs (parking lot repaving, roofing, etc.) will continue as planned, before and during the new construction. The construction

work will be managed and planned providing for the least disruption to students, faculty and staff.

I know that all of you have been very patient and have put up with many inconveniences due to inadequate space. It is my belief that this building phase will alleviate many of the problems. The administration will continue to work with



Remodeling for Building F will include revising the ceiling and lighting systems on all three floors; revamping the restrooms to meet handicap codes; installing/replacing carpeting; and restructuring the space to best meet the needs of the students, faculty and staff.

The Board will consider the construction of a new bookstore and the remodeling of Building A at the June board meeting. The funding for these projects is available through proceeds from the second-site sale, bond sales and money set aside for construction from the operating and maintenance fund. There will be no new dollars required from the taxpayers of District 512 for

the Board to meet the space needs of the entire campus. In our Preferred Future Statement, we have asserted that William Rainey Harper College will achieve systematic quality improvement across the College. Providing the proper learning and working environment is integral to this goal statement. This phase of the comprehensive building plan is one step toward achieving that goal.

*Paul N. Thompson*

## FOCUS ON

# Mathematical Sciences

When math department Co-chair Tom McCabe walks across campus, faculty from other departments ask him what's new in his department. "Have you guys invented any new numbers yet?" they tease.

But McCabe is quick to jump to his department's defense. Math is not a stagnant field, and developments in math education have been plentiful in the past five years. "The advent of technology has changed math dramatically," McCabe says. "And Harper is in the forefront for adapting its curriculum."

Both he and Co-chair Margaret Scott agree that community colleges find it necessary to stay abreast of teaching developments. "The emphasis here is on teaching," says Mrs. Scott, "and community colleges are always looking for ways to enhance their curriculum."

To respond to this, Harper's department of mathematical sciences (which also includes computer science) employs 12 full-time and 20-30 adjunct faculty, and runs neck and neck with the English department for the highest number of full-time enrollments. The courses taught each semester range from basic arithmetic (a developmental course) to differential equations.

Students coming to Harper are placed in math courses based on assessment tests and their career choices. There are basically two tracks—the transfer track, with the highest enrollment, and the technology track. The transfer track is



**Solveig Bender, right, provides small group instruction in basic arithmetic to students in Harper's math lab. The mission of the lab is to prepare students for the first college level math course. More than 600 students are working in the lab this semester.**

made up of students majoring in science, engineering, business and liberal arts. Of this group, business majors take statistics, finite math and business calculus; science and engineering majors take a three-course calculus sequence plus differential equations; and liberal arts students take Math 120. The technology track is made up of applied math courses designed for students working on associate degrees in applied science. In addition, a new course, Math 130, designed for elementary education majors, will be offered for the first time this fall.

The computer science department, headed up by Dom Magno, is also part of the math department. Magno explains that until about ten years ago computer science courses always appeared in the math curriculum. They have since split and now are considered a discipline of their own. He compares his courses with the computer information systems (formerly data processing) offerings: "Computer science courses are a sort of theoretical computer discipline as opposed to the computer information courses, which apply computer technology to business data."

Recent teaching developments that have been adopted by the math program include the Derive software package that allows students to forego tedium and get right to theory. "Working on the program in the lab also allows students to learn cooperatively and through the discovery method," Mrs. Scott says.

In addition, many math faculty members are now using the graphing calculator in their classes. Using this instrument, instructors can graph functions on the calculator and project these images on overhead projectors for class demonstrations—while students work simultaneously using their own graphing calculators.

It's apparent that no new numbers have been invented lately, but the math faculty has been diligent to be certain that they keep abreast of curriculum innovations.

*(Please read Departmental Developments for more math department news!)*

## INSIDER'S VIEW

# of Dave Macaulay



Chemistry Professor Dave Macaulay has some real concerns about the scientific literacy of the American public and is ready to take action.

This summer he will attend a two-week workshop at the Institute of Chemistry Education at the University of Wisconsin, Madison, which has received a National Science Foundation grant to improve chemistry education at all grade levels, kindergarten through college. Then, when he begins his one-semester sabbatical next spring, he will travel to area elementary schools to present chemistry demonstrations to pique the students' interest.

When he's not working directly with the kids, Macaulay will be back on campus developing science programs for elementary and junior high school students and workshops for their teachers. Both these activities are slated to be held on the Harper campus.

Macaulay has been at Harper since 1972 and has chaired the chemistry department since 1976. He says he's taught most of the courses the department offers, although he especially enjoys teaching the lower level offerings. His enthusiasm and love of learning are contagious, and area youth are in for a treat!

**Born:** Davenport, Iowa

**Education:** B.A. Carleton College, Northfield, Minnesota; M.S. Chemistry, Iowa State, Ames, Iowa

**Family:** Wife, Beth; sons Bill, 12, and Eric, 9

**Interests:** Family, computers, reading, pre-high school science education, biking, canoeing, skiing and hiking

**If time and money were not a problem:** I would move to a smaller town and travel more.

**I would like to learn:** how to swim!

**One thing I've learned in life:** You never stop learning.

**The best advice my parents gave me:** Do your best.

**Favorite food:** Turkey with stuffing, mashed potatoes, gravy and a half dozen rolls!

**Favorite movie:** *Dances With Wolves*

**Favorite Book:** *Science Matters*, Hazen and Trefil

## Inside Harper



Staff members from all areas of campus (pictured above) have been learning sign language thanks to the efforts of the Sign Language Studies program in conjunction with the Employee Development Committee. Teachers for the six-week (one hour per week) course are Patty Branz, Amy Dixon-Kolar, Sally Koziar and Bob Paul.

Cora (Julie Moncek) reminds her husband (Bob Richardson) that he smokes "much too much" in *Morning's at Seven* presented in the Building J Theatre in April. The play was directed by Todd Ballantyne, Harper instructor of speech and theatre. Arry (Chris Rogers) is seated on the porch, part of Mike Brown's wonderful set.



Carl (Dwight Powell) asks his sister-in-law (Beth Quigley) "Where am I?" in *Morning's at Seven*.

Photos courtesy of John Callahan

## Wellness Week Attendance Sets Record



More than 80 exhibitors participated in Harper's seventh annual Wellness Week held in April.



A representative from The Kenneth Young Centers discusses its programs with Health Fair attendees.

"Right foot up, left foot up; right foot down, left foot down; up right, up left, down right, down left." These instructions from Step Aerobics are just a sampling of the helpful advice offered to participants of the Harper-sponsored seventh annual Wellness Week presentation April 16-18.

Topics ranging from pre-pregnancy planning to elderly changes were on the schedule, with other issues including spirituality, nutrition, parenting and physical wellness.

Wellness Week organizers say that nearly 800 attendees circulated through the 80-station Health Fair, and total attendance at all activities combined exceeded 1,200. Health Service and Wellness Program Supervisor Rosemary Murray said, "We're real pleased with the turnout; our attendance increased from last year. More students participated in seminars than have in the past, and we're delighted to get them involved in their personal wellness at such an early age." She added that the Wellness Committee met on April 25 to discuss the participants' reactions and suggestion for future programs. After looking over the comment sheets, the committee felt that this year's programs and speakers were excellent, but that there were some surprises. She cited, for example, the unexpectedly high turnout at the workshop on prostate disease. "We plan to look into more programs on men's health issues for next year's program," Murray said.

The Wellness Week Committee is a subcommittee of the Institutional Wellness Committee, and any interested staff member may serve on it. "This year's committee worked together well," Murray said. "It takes a lot of time and effort to get the programs set up, but serving on the committee is fun and we all enjoy working on it." Plans are already being formulated for next spring's program; to help, contact Rosemary Murray at extension 2340.

## Belize Tour

*continued from page 1*

Andresen and co-leader Jack Gallagher (also of Harper's biology faculty) arranged for trips into wildlife preserves and to the coral reef. "We saw howler monkeys from a distance of fewer than six feet, and while we never saw a

jaguar, we did see fresh prints," Andresen said. Members of the group also swam within yards of a three-foot-long nurse shark and a four-foot-long barracuda. Andresen said that there was some danger being so close to these animals, but that the group was passive and respected them. Pepper adds, "Sometimes it seemed somewhat risky, but that was part of the

excitement!"

Andresen said that the trip will probably be offered again next spring as a continuing education offering before being turned over to the biology department as a field biology course. For more information, contact Andresen at extension 2414 or Gallagher at extension 2214.

## Retirees Corner



Harper colleagues gathered in the fireplace area to extend their best wishes to the nine retirees who comprise the largest single "graduating class" in Harper's history.



Honorees at the April 23 retirement reception were John Gelch, Charles DuBois, Rena Trevor, Soter Kokalis, Fred Vaisvil, Dennis Brokke, Eveline Boissy, Chuck Harrington and Art Bowers. Gelch and Vaisvil were among the original faculty hired by Harper College. The combined years of service for the retiring group total 160.7 years.



A certain amount of reminiscing probably marked the day in conversations such as this one between Bob Nolan, John Gelch and John Knudsen.

# Departmental Developments

Recognition is in order for Harper's math faculty! A letter sent to Dr. Thompson from the College of DuPage reads in part, "During the fall of 1990 the mathematics faculty of the College of DuPage decided that they would like to know more about the operation and instructional applications of the graphics/programmable calculator. Initial contacts indicated that a leading institution in this area for this topic was William Rainey Harper Community College." The letter goes on to thank **Phil DeMarois** for his two-hour demonstration on how the calculator is prepared and used in Harper's math curriculum...DeMarois also serves as Harper's moderator of the American Mathematical Association of Two Year Colleges Student Math League competition. The competition is set up in three rounds, with the top five winners earning scholarships and prize money for their colleges. In its first year participating in the competition, Harper is now placed fifteenth nationally and student Jay Noh of Arlington Heights was the winner of the second round! Congratulations to the entire math faculty!

**Jeanne Pankanin**, director of Student Activities, has been chosen to participate in the National Institute for Leadership Development program sponsored by the American Association of Women in Community and Junior Colleges, the League for Innovation, Rio Saldo Community College and Maricopa Community College. During the year-long program, Pankanin will develop projects to aid individual and professional growth and will participate in leadership programs. Vice President of Student Affairs **Bonnie Henry** will serve as Pankanin's mentor for the project.

Five of Harper's faculty members participated in a panel discussion entitled, "Pulling (it all) Together: Our Vision for Now and the Future" during the Fourth National Wellness and Community College Conference held in Evanston April 4-7. The panel was made up of **Rosemary Murray, Anita Crawley, Joyce Nolen, Julie Hunter** and **Renee Zellner**...**Kerry Lavelle's** article, "Legal and Financial Consideration for Business Start Ups," was published in the January edition of *The Practical Accountant*. Lavelle is an adjunct faculty member who teaches economics and business law...**Konrad Nagatoshi** has been selected for the 47th edition of *Who's Who in America*. Nagatoshi is an adjunct anthropology instructor and micro-assistant in data processing...

Staff members from the Center for Students with Disabilities have been active at area conferences. Coordinator **Tom Thompson** served as a panel member on "Post Secondary Options" at the National Learning Disabilities Association Conference in Chicago; Instructional Specialist **Beth Krueger** presented "Uses of Low Vision Aids and Devices for Low Vision Individuals" at the Chicago Low Vision Conference; the Windy City Veterans honored Interpreter **Sharon Moore** for her interpreting assistance at veterans events; and Learning Disabilities Specialist **Sharon Willy** received high ratings' for her presentation on "Practical Learning Disabilities Strategies" during a literacy conference.

English Professor and Honors Program Coordinator **Betty Hull** participated in a science fiction symposium entitled "Change: Progress or Regress?" at the University of Nice, Sophia Antipolis, France, in April...**Ron Greenberg**, facilities manager for PEAR, spoke on "Pricing, Profit Margins and Marketing" during a concession workshop conducted by the Illinois Park and Recreation Association.

History and political science Professor **Sharon Alter** has been active in area elections and civic groups. She served as the campaign consultant for Arlington

Heights Library Board candidate (and winner!) Jan Tucker and presented broadcast analyses of suburban mayoral elections for TCI Cable on April 2. Alter also served as an honorary committee member for the Jane Addams Conference Annual Benefit and Presentation of the First Jane Addams International Women's Leadership Award, and spoke on "Women in America: Past and Present" at the Kenneth Young Centers, Elk Grove Village, in March.

Professor **Jane Thomas**, director of Harper's Child Development Program, has published her seventh children's book, *Dan Dappington's Dream*. Her publisher, Nystrom-Chicago, arranged for her to have a book signing during the Annual Conference for the Education of Young Children held in Washington, D.C.

We also welcome new employees on campus. **Marilyn Comer** has been hired as the director of FA/VA, **Sylvia Kingsley** will serve as the Media Relations assistant, **Jane Teutsch** has joined the staff as a clerk in the Registrar's Office, and **Ruth Podjasek** will work as a part-time clerk typist in the CAD/CAM Center.

**The Harper Insider is the monthly Harper College newsletter produced by Publications and Communication Services. We cordially invite all employees to contribute stories and information before the twenty-fifth of the month for the issue published the following month. Please contact Ann Goldberg, A302, extension 2512.**

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*I would like to thank Mike Knudsen for his design assistance and John Callahan for his photography work in preparing The Insider.*

A.K.G.