

FOOLING MOTHER NATURE

Professor circles the globe examining opinions about biotechnology and trends in this hot science field

How people in various parts of the world see the potential for biotechnology is a reflection of their economic circumstances and cultural perspectives. Yet even within societies there are divergent opinions.

Asian countries, pressed to feed billions of people, see biotechnology as a boon for agriculture. They also look to science as a way to boost production of exports and help their economies. On the other hand, Europeans are near-phobic about the mention of genetic engineering for fear of conjuring up historical references.

In Amsterdam, where the tomato and potato are as important to the Dutch as rice is to the Chinese, there is strong resistance to biotechnology. "Researchers are forced to grow their agricultural experiments on the rooftops so they can't be seen and destroyed by extremists," said Miramar College professor Gin Gee.

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Biotechnology has existed since ancient times, when farmers selected to replant seeds only from the heartiest or most fruitful or most flavorful plants, and bred animals to perpetuate desirable traits.

SPRING 1999

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NEW CITY LIBRARY. Passage of Proposition 1A, school construction bond issue, in November brought good news to City College, which will receive funding for a new library/learning resource center. Construction is scheduled to begin in 1999 with completion in two years. The new three-story structure will nearly triple the useable square footage of the present library and include infrastructure for fiber optics and satellite receivers, electronic work/study stations, computer stations, satellite video conferencing areas, expanded shelving and more.

F r o m t h e C h a n c e l l o r

At a time when San Diego is experiencing dramatic economic growth, not all San Diegans are benefiting from this growth. A widening income gap and increasing poverty threaten continued economic growth in the region, according to a new study by the Center on Policy Initiative.

As Donald Cohen, president of the Center on Policy Initiatives wrote, "An hourglass economy is developing in which those with the skills and social networks to make it in growing high-tech industries are prospering and those filling the ranks of fast growing low-wage service industries are sliding backwards."

Ironically, companies are paying a premium to recruit people from outside our region to fill many of the high-skill, high-wage jobs because our colleges and universities are not training enough people needed in our thriving high-tech, high-wage economy.

The Center on Policy Initiative report, "Prosperity and Poverty in the New Economy," recommends expanded access to education for higher skilled jobs. And our district is attempting to do just that, with several initiatives aimed at expanding facilities and programs to help meet the training needs of high tech industries.

Spearheading the effort to help fund these initiatives is Lou Murillo in his new role as President of the Auxiliary and Institutional Development.

The construction of a science building at Miramar College is one of the top priorities that Lou Murillo and I have been discussing with representatives of high tech industries.

The district Board of Trustees has already approved a \$9 million funding plan for one wing of the science building, but at least \$9 million in additional funding is needed to construct the second wing. The two-story first wing will include laboratories

and some classrooms and office space. We are seeking industry partners to help construct the second wing.

For too many years, Miramar College was land-rich and facilities poor, but that has been changing, and it will continue to change as

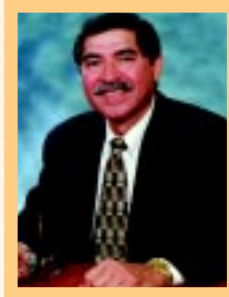
Miramar gains additional partners to fully develop the campus. We are also seeking private funding to build an advanced transportation center at Miramar. Another project that we hope to complete in the next few years is the joint-use park and sports complex at Miramar College. The first phase of ballparks, playgrounds and picnic areas has been completed, and completion of the second phase of three pools is set for this summer. The City of San Diego has committed \$3 million to build a field house on campus, and we are now trying to raise matching funds from private sources.

In addition to Miramar development, a \$19 million learning resource center is planned for City College and a \$10 million humanities and general studies building replacement at Mesa. The Naval Training Center buildings available to the district have more space for classrooms and other uses than all of the buildings at City College and Mesa College combined, and we are seeking partners to help renovate and remodel those facilities.

It is essential that we step up our efforts to seek partners and private funding in recognition of the fact that state funding has never kept up with needs, and the gap may widen in the future. Community colleges are recognizing the vast potential in seeking partners and donations from

corporations, foundations and individuals. It is my goal that within five years we will join the elite core of college districts leading the way in securing external sources of funding to help meet the needs of students and the community. ■

**Industry Partners
Are Key Players
in Providing Access
to High-Tech Jobs**



AUGUSTINE P. GALLEGO,
CHANCELLOR

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Constance M. Carroll
President
Mesa College

FIELD OF DREAMS. The Mesa College President's Cabinet received a 1998 Shared Dreams Teamwork Award from the Community College League of California. Colleges statewide were asked to nominate a group within their institution that achieved a common goal to improve programs, uniquely solve problems and plan for a better future.



Music Man

Romeo was bitten by the teaching bug as a junior in high school when he began giving private sax lessons in his native Ohio. As a teen, of course, he played in a rock 'n roll band, The Gangsters, plus gave private music lessons, managing to make enough money to treat the high school football team to a McDonald's dinner!

"Teaching, I can't think of anything better," enthused Romeo about his life's passions, music and teaching, "It's fantastic to be able to love something, share it every day, and make a living at it!"

A college and high school teacher since 1971, and at Mesa since 1989, Romeo is on call to perform with the San Diego Symphony and with touring headline acts that come to San Diego and are in need of an alto saxophonist. He uses these opportunities to stay musically inspired and make professional contacts that might later benefit his students.

In the past five years, his gigs have included performing with Natalie Cole, Joe Williams, Mel Torme and Linda Ronstadt. Earlier, he had the privilege of performing with Arthur Fiedler, Bob Hope, Andy Williams, Danny Thomas, Nelson Riddle and Cab Calloway.

When a major recording artist comes to town to perform and needs a backup saxophonist, musician's union man Romeo often gets the call because he is a quick study. "I can play just about anything the first time around. I was fortunate to have a teacher who busted my chops on reading music." So don't be surprised to see him on stage at Humphrey's or some other major concert venue in San Diego.

Mesa music students benefit from Romeo's gigs—and the friends he makes. In recent years, legendary drummer Louie Bellson has guest lectured at the college on three different occasions. Other guest lecturers include nationally renowned trumpeter Clark Terry and Howie Foster, and perhaps the number one studio sax player in Los Angeles, Gary Foster.

Romeo's students have become members of the Glen Miller, Harry James, Tommy Dorsey and Buddy Rich big bands. Another former pupil is Rick Rossi, lead alto sax for the red hot Brian Setzer band.

Romeo not only teaches a full load but frequently provides top notch musical entertainment for a wide variety of special events on and off campus. He conducts a 20-member concert jazz band that performs regularly at high schools and elementary schools. The band is also prominently featured at Mesa's commencement.

Through the San Diego Community College District Continuing Education program, Romeo conducts the 65-piece Kearny Mesa Concert Band, made up of retired musicians, students and professionals. Twice every summer, his swing band performs at the Balboa Park Organ Pavilion. It also performs at the annual La Jolla Cove Fourth of July celebration. ■

Mesa College students say Jim Romeo's music classes really swing; his musical peers agree.

"Jim Romeo has built the music program at Mesa College into one of the finest programs in Southern California. A fine, all-around woodwind player and soloist, Jim has brought his high standards, love of music, organization and promotional skills to bear on the music program at Mesa," said Jack Wheaton, president of the American Federation of Musicians/San Diego County Local 325, which recently named Romeo Music Educator of the Year for 1998.



Jerome Hunter
President
City College

Computer Bomb Prompts New Program

Bobby Wilson's Sunday afternoon was going well until his computer crashed. After hours of phone calls, he discovered that locating technical support is harder than finding a service station with an auto mechanic on duty on this day of rest. When he did connect with a shop that was open, the soonest they could fix his computer was in two weeks. After the frustration and agony of defeat had subsided, it dawned on Wilson that there were probably thousands of other people in the same predicament.

As dean of City College's School of Business, Wilson realized he could actually do something about this problem by developing courses to train computer repair technicians. He first discussed his idea with professors in computer science and electronics departments and found immediate agreement. Phone calls to scores of industry representatives and public agencies further confirmed the wide open job market and need for these skilled technicians. In fact, Wilson said the need for personnel to install software and repair and upgrade computers was as close as his own college, especially with the growth of computer labs and upgrading of equipment in general on campus.

Armed with widespread support for developing a computer repair program at City College, he obtained a \$14,000 planning grant from the State Chancellor's office and easily found a group of willing and enthusiastic volunteers from industry and the college

to serve on a planning committee.

At the same time, welfare laws were changing requiring recipients to find employment or enroll in a job training program. With monies from CalWORKs, a state legislative act which implemented the new law, City was able to equip a computer lab for the training, which was a perfect match for welfare recipients looking for short-term



Students receive 200 hours of hands-on training in repairing computers from Russell Bonine and other professors in City's new program. Bonine also teaches A+ Certification which prepares them to take the national exams required of technicians. Left is Marcy Hawkins, UCSD communications major, who wanted to enhance her career with technical knowledge of computer repair and also learn how to operate her own business. Doug Ward wanted more technical training in computer repair to advance in his job at United Parcel Service.

occupational training. About one-third of the enrollees in City's computer repair program are CalWORKs students.

After more than a year of meetings to carefully plan course content which had the approval stamp of industry, several programs were opened last summer. Students can enroll in a 12-week computer assembly option

followed by eight weeks of advanced training in assembly and repair. Those who complete the 20 weeks will earn a mini-certificate. A parallel training option of 12 weeks is also offered in software applications, preparing students for entry-level employment. All students have the opportunity to work in a student-run computer repair business operated by the business department's "Working Education" program.

Participants are "hired" to repair computers at City College, their own computers and those of other students. Eventually, the service may be extended to the general public.

Besides the hands-on technical training, students learn all aspects of small business operation, including advertising, marketing and accounting.

Rodney Williams said he had taken a course in how to use the computer, but now he is learning how to find the cause of problems and how to fix them. Williams said other information which has been helpful is how to market himself and explain technical problems to customers so they can understand them.

A key feature of the training is the weekly seminar with industry representatives in which professionals explain what they want and expect of their employees, review the latest products in the industry and answer questions from the students. Other aspects of the program include job hunting, resume writing, networking, plus business English and basic math.

Once students successfully complete either or both of the training programs, they are recommended for job placement

TECHNOLOGY BOOST. Two major grants were awarded the Center for Applied Competitive Technologies at City College (CACT), bringing to \$1.35 million the total amount of awards the CACT has received in the past seven months. Latest awards are for the Technology Enterprise Development Project which assists new and existing technology companies in product development, research and development. Another, Bio-Link from the National Science Foundation, is further developing City's biotechnology program and enabling City to share the model program with institutions across the nation.

by City College and are teamed up with industry representatives. Besides meeting potential employers in the industry seminars, representatives from major computer and high tech firms are invited to City College on Fridays throughout the training sessions to see the lab firsthand, and meet the professors and students.

In January, potential employers were invited to City College to interview the graduates. Wilson said based on demand for these specially training technicians and the caliber of students graduating from City's program, he feels confident they will all find jobs. Some students will continue their education while they are working, taking the rest of the computer courses along with general education courses for a degree.

"Any student in City's program should have no problem finding a job," said staunch supporter of City's program and advisory committee member Robert Pedigo, vice president of sales at Datel. "Datel always needs entry-level technicians and once they get their foot in the door, there are myriad opportunities. City's program is right on target for what industry needs," he added.

Datel donated 35 new Pentium computers for the training lab and has participated in the business seminars and planning of curriculum.

Other major participants are ComputerLand, QUALCOMM, COMPUSA, Byte & Floppy, Computer Parts Plus, OFFICETEAM, Gateway Country, Symitar Systems, plus many from county and city agencies and nonprofit groups throughout San Diego County. More than 50 representatives have joined the original planning committee, which gives review and direction to the program. Besides electronics assembly and computer science, the committee has

campus input from child development, business, accounting, counseling, math, work experience, student groups and office information systems.

"Industry has been involved every step of the way," said Wilson, "from confirming a need for computer technicians through the program design and continual input, to interaction with students and finally hiring."

"City's model of involving students in a student-operated business and campus internships, plus helping students learn and apply exemplary work habits all contribute to well qualified graduates," Wilson added.

New training programs started in

January which include an evening program for students who work during the day. Child care for student parents is available days, evenings and weekends in the Child Development Center. In addition, a special class for student parents was designed to help them deal with problems and decisions once they are employed, such as where to find qualified child care, back-up resources for babysitters, and dealing with a child's illness.

For Wilson, this program is an answer not only to a personal need, but to a universal need. And now he knows who to call when his home computer breaks down, even on a Sunday. ■

Entrepreneurs Day attracted vendors from the community as well as students who run small businesses. Students in Free Enterprise hosted the annual event. From left are Eric Mendoza and Diana Solario, SIFE business students, shopping for wares by community vendors Joann Fraser and Virginia Hanson. Barbara Hansen, business professor and SIFE advisor, supervised the successful event

If there's a community service project going on in San Diego, chances are SIFE is involved. Students who enroll in the special business class for SIFE help with educational and service projects in schools, the community or on campus. For "Make a Difference Day," sponsored by the weekend edition of USA

Today to show the effect and numbers of volunteer groups, SIFE staged a mini entrepreneurs project with three grade schools and helped them set up, promote and sell their merchandise for Community Market Day at 31st and Market. Another contingent of SIFE students worked in Adopt a Block, the annual community clean-up of downtown. Junior Achievement programs in elementary schools get assistance from the business students, and those who staff high school snack bars receive training in small business operation. ■

Learning Business



▼
VISIONARY WRITERS. Mesa Visions, the campus literary magazine, recently received its second major award in two years. The publication, put together by the English and art departments, took second place in the 1998 Community College Humanities Association Pacific Division, which includes California, Oregon and Washington.



BEFORE:
Bland and boring, this room begged for creative renovation by students in Mimi Moore's interior design program.



AFTER:
This elegant poolside guest bathroom in the 1998 Rancho Santa Fe estate featured as an ASID Designer Showcase was redesigned by interior design students from Mesa College.

▼
STEELE STRUCTURE. Design of the \$20-million, four-story Mesa College Learning Resource Center, which opened last April, earned architects MW Steele Group of La Jolla an Outstanding Contribution in Design certificate from the American Institute of Architects/San Diego Chapter.

Designing Women

“Natural stone tiles bring rich elegance to the custom-designed space.”
—San Diego Union-Tribune



MESA'S DESIGNER SHOWCASE TEAM: (from left) professor Mimi Moore and students Kimberley Hansen, Danielle Antelline, Lori Hollis,Carolynn La Pierre, Deborah Vaughn and Kathleen Cunningham. Not pictured, Marc Matys.

The plush bath towels in this Rancho Santa Fe country manor are monogrammed “M.” For the owners’ last name? No, for Mesa College, whose interior design students transformed a poolside guest bath from ordinary to extraordinary for the ASID designers’ showcase.

Led by Mesa’s “designing women” Mimi Moore, program director, and Norma Byrd, adjunct professor, seven interior design students rolled up their sleeves to get hands-on construction as well as decorating experience. No outside work crew for these dedicated students.

The summer-long project was part of the 1998 ASID [American Society of Interior Designers] Designer Showcase, starring an 8,000-square-foot, two-story home, guest cottage and extensive grounds that underwent a comprehensive redecoration.

The room remodeled by the Mesa students was one of only two spaces in the home that actually underwent demolition, with new shower tile, sink and vanity added.

“We started all over,” explained student Kimberley Hansen, “and added wainscoting to mimic what was in the rest of the house.”

Installed on the door of the guest bathroom redone by the current Mesa students, is a distinctive stained-glass panel designed and crafted by Byrd.

Students were chosen for the plum assignment based on their outstanding service to the student chapter of ASID.

“The project provided our students the opportunity to work with a real client,” Moore stated, “and to network with the many professional designers who were doing other spaces within the estate.”

The students were required to develop a design concept and prepare the drawings, sample boards, specifications and costs for the project.

Their design package received overwhelming approval by ASID’s Design Acceptance Committee. Further, “the owners were most enthusiastic and agreed to pay for the majority of the work,” Moore noted.

Costs not covered by the owners were paid for by the students from monies earned through fund-raising activities, including ASID’s annual Day With Designers, another countywide event in which Mesa is well represented.

Other spaces in the Rancho Santa Fe home featured work by Mesa interior design alumnae. Peni Wilson (1988 associate degree) provided a facelift for the powder room and Susan Geier (1994 certificate) performed a make-over of the guest cottage.

The interior design degree and certificate program at Mesa is one of only two pre-professional level programs south of Orange County accredited by the Foundation for International Design Education Research. Also, Mesa’s program is one of only 18 two-year programs in the nation.

Between Sept. 27-Nov. 1, the showcase home was open to the public, and the annual event received extensive newspaper, magazine and television coverage. ■

FILIPINO FANFARE. Celebrating Filipino American History Month (October), Miramar College hosted a full-day public event, "Kapwa: Embracing Our Shared Identity." Festivities included workshops relating to Filipino American culture, education, history, parenting and youth, along with entertainment, vendors and ethnic foods. Several hundred guests enjoyed the forum featuring Fred Cordova, author of the book *Filipinos: Forgotten Asian Americans*. Cordova, whose inspirational writings and keynote addresses have instilled ethnic pride and respect, is a founding member of the Filipino National Historical Society (FANHNS) and is currently the National Archivist for the FANHNS National Pinoy Archives.

Honored Guests

City College rolled out the red carpet for a host of visitors during the fall semester, including educators who are in a prestigious leadership training program entitled ACE Fellows sponsored by the American Council on Education. They met at City to learn about the multiple missions of community colleges, the challenges, funding and governance.

Visitors from the United Kingdom learned about the associate degree requirements of California community colleges. City College administrators have met with educators in Denmark and Great Britain to share information and discuss exchange programs.

A group representing technical and vocational schools and industries in Michoacan, Mexico, met with City professors and instructional deans to set up an international microenterprise program to aid the economy of Michoacan and provide jobs in marketing and sales for low-income neighborhoods in San Diego. The Michoacan visitors, along with the Secretariat of Public Education for the Republic of Mexico who also came to City, were in San Diego for a reception hosted by the San Diego Community College District to present an overview of a new Global Education Network Project.

High school students with World Youth International based in Australia toured City College as part of their program to learn about other cultures and opportunities abroad. A two-month stay with a host family is part of their experience, as well as visiting high schools and colleges to compare educational systems in the U.S. and Australia. ■

Sitting in Style

Miramar College art instructor Nina Karavasiles has recently installed a permanent public art project on the Southwestern College campus. "Social Circles" are steel rings welded into chair forms. One chair promotes a straight posture as the hand grasps the glass orb. The other chair manipulates the body to curl and slump, hands turn in and conform to a submissive attitude. When the participant sits in this chair, springs yield to bring the level lower than the upright chair. Both chairs are on a metal carpet with rubber fringe. Unwitting actors succumb to their role. ■



WOW, It's the World Organization of Webmasters

If you wanted to become a webmaster, where would you go for training? How would you know if the skills you learned were the right skills to be competitive and cutting edge in web technology?

The New Media Center of the San Diego Community College Continuing Education Centers has partnered with the World Organization of Webmasters (WOW), a group of professional webmasters and students, to provide answers to these and many other questions.

WOW is a nonprofit trade association dedicated to providing practicing and aspiring web professionals with resources needed to do their jobs better. Members do all types of web-related work including design, hosting, content production, marketing and more. The San Diego Chapter serves San Diego and Imperial counties.

The New Media Center, located at 8401 Aero Drive in the San Diego Career Center building, is an academic/corporate member and will soon be eligible to offer WOW's corporate-endorsed webmaster certificate program.

This partnership is a continuation of the commitment that Continuing Education has to students, providing state-of-the-art instruction, with modern equipment and current information that will make the graduates immediately employable in the growing competitive webmaster field.

"Over the past three years, the New Media Center has strived to forge partnerships with local small businesses and San Diego industry. We have to teach what the employers want," says Valerie Edinger, dean at North City Continuing Education Center. "This new relationship with WOW is one more step in serving both our students and the job market."

Karen Owen, director of the New Media Center, was recognized by the California League for Innovation and Microsoft as the SDCCD's faculty mentor. She received two days of free training and was a presenter on web course development at the Conference on Information Technology held in Florida. Bill Cullifer, director of WOW, was her copresenter. ■



GRAPHIC CHANGES. LINK, a project which gives “at-risk” inner city high school students a chance to develop talent in graphic design and continue their education at City College, received funding for the second year in the form of a \$17,585 grant from the Coyne Foundation of the Communication Arts Magazine. Students train under top professional artists in Saturday workshops at City College, tour their design studios, and are encouraged to pursue a career in graphic design. Graduates receive a 15-unit scholarship to City College, money for books and supplies, and a leather portfolio in which to display their work. Assisting in the project is the local chapter of the American Institute of Graphic Arts, the leading creative design organization with more than 350 professional, academic and student members.

Candice Lopez, City College’s graphic design professor, sparked an idea that “painted” its way through downtown San Diego between East Village and the Gaslamp Quarter transforming even SDG&E’s transformers with an arty look. The Urban Art Trail was the brainchild of Lopez and her artist husband, Rafael, downtown loft residents who wanted to use art to change their neighborhood from blight to magic and beauty.

The first work party in November attracted more than 75 participants including downtown residents and business owners, seniors from senior citizens centers, graphic design students and professional artists. Each put his/her artistic touch to cover up dirt and graffiti on trash receptacles, traffic boxes, bike racks, fire hydrants and other “urban or street furniture.”

Phase two in December added two 14’x16’ murals at 10th Avenue at E and F streets, painted by Rafael Lopez, each depicting downtown life or street scenes in the East Village. Adding a whimsical touch, unique totems, some with spinning components, were

suspended from buildings. Each urban totem was created by a different top local artist.

Poetry or quotations by well known writers painted on the sidewalks was the January addition, along with flowers in huge planters and in the tree rings added a touch of color as did original inlaid tile mosaics created by graphic design students.

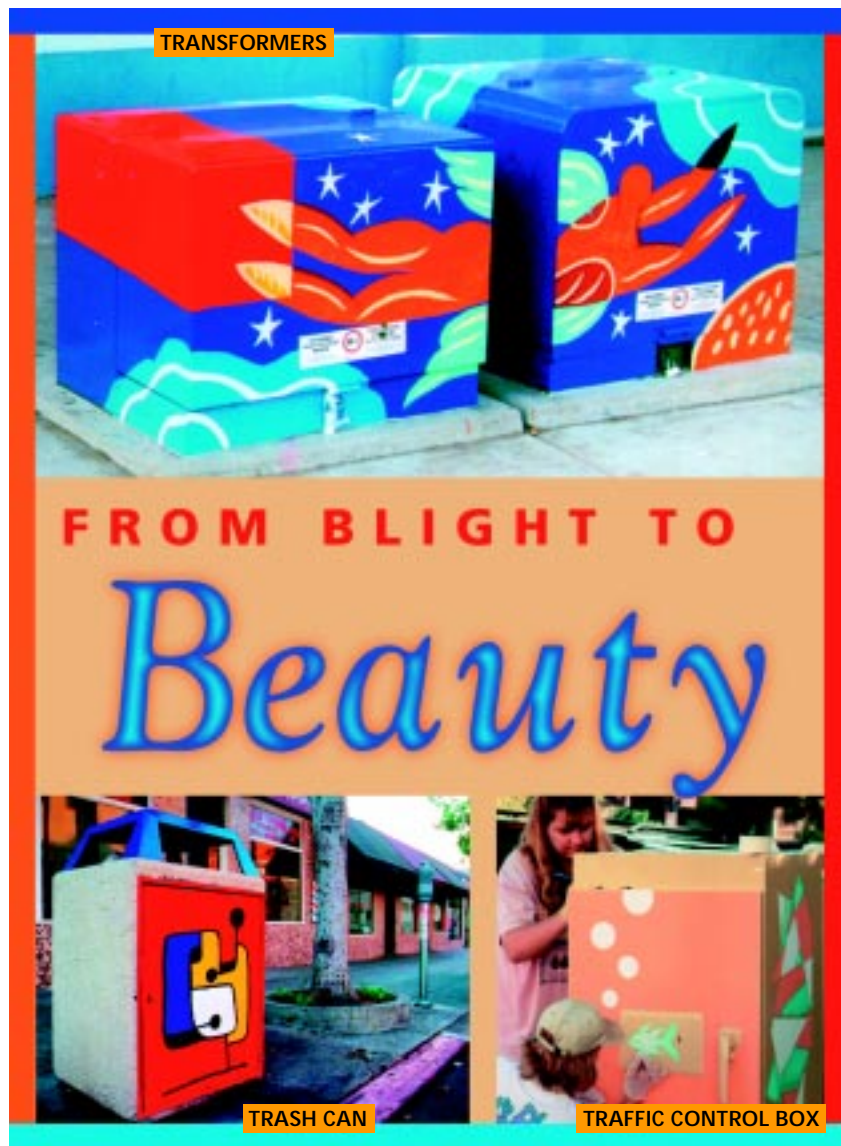
Funding and support for the urban enhancement has come from public and

private donations, including \$500 in seed money from City Councilman Byron Wear and a grant from AT&T, which released employees during a regular workday to help paint and plant. Senator Dede Alpert recommended the project to AT&T, a corporate supporter of community service efforts. The grassroots community project received widespread local and national coverage by the media. Other key volunteers on the leadership team were Gerard Selby,

associate project manager for Centre City Development Corporation, and Kim Paulson, Hewlett-Packard engineer.

Transformation in the East Village actually began a year ago when Lopez and her neighbors began a Neighborhood Watch program to discourage and drive out drug dealers from the area. Benches gave way to flowers and plants, followed by paintings, poetry, totems, and who knows what’s in line for the future when creative minds with a passion get together.

To follow the Urban Art Trail, start at Sixth Avenue at E Street, go past the main downtown library and U.S. Post Office and on to Tenth Avenue, to F Street and back toward Horton Plaza. ■



POOLING RESOURCES. About 75 special guests attended the long-awaited ground breaking for the three-pool Hourglass Park Aquatic Complex at Miramar College. The complex, due for completion this summer, will include a competition pool, a recreation/multipurpose pool and a tot pool. The \$4.5 million project is phase two of a three-phase 32-acre athletic complex shared by college students and area residents. Phase one, completed three years ago, includes soccer, softball, and baseball athletic fields, sand volleyball, a community park, refreshment center and play areas. Phase three will include a gymnasium, outdoor basketball courts and running tracks.

When Mark McGwire smashed Roger Maris' home run record this year, it was probably thanks in part to help from an unlikely and unheralded source—Miramar College's Bill Puett, a philosophy professor, of all things.

No, Puett didn't help him explore the meaning of baseball. Rather Puett's "visual therapy" taught McGwire to see those fast balls better and sooner.

Visual therapy is a series of eye exercises that improve the teaming of the eyes and mental processing of information received visually. It corrects two types of vision problems: conventional—nearsightedness and farsightedness—and sports demand, when the static vision is accurate, but the "dynamic acuity" or ability to track an object quickly is not at peak performance.

"In baseball, a 90-mile-per-hour fast ball takes four-tenths of a second to reach home plate [distance of 60'6"]. Most big league hitters first see the ball three-dimensional when it is half way to them," said Puett.

"Through visual training, batters learn to see the ball as soon as seven feet out of the pitcher's hand, gaining an extra tenth of a second to track the ball," he added. "When you watch Mark hit, his eyes get really big and they follow the ball all the way to the bat."

Puett first coached McGwire in 1991 when the Oakland Athletics sought help for the slugger's worst season ever—batting .201 with a skimpy 22 home runs.

"Mark had eye teaming problems and couldn't track the baseball three-

dimensional very well," explained Puett.

In 1992, following an off-season of visual instruction from Puett, McGwire won the title of "Comeback Player of the Year," doubling his home run production from 21 to 42 and increasing his batting average by 80 points.

Vision therapy uses a regimen of eye exercises customized to address the individual's problems. "For example, consistently having trouble hitting an outside curve ball is a vision problem," said Puett "and we would design a therapy specifically to solve that."

Puett's parallel career in vision problems and their treatment evolved out of his long-time interest in health issues, particularly

alternative therapies. He originally developed his vision therapy program in 1982 to help brain-damaged children and adults. Vision problems are a frequent manifestation of brain damage.

Already on campus at Cal State Dominguez Hills teaching preventative medicine and health as well as philosophy, Puett's vision therapy work with college athletes spilled over to minor leaguers. Then in 1985, Terry Whitfield of the Los Angeles Dodgers stepped up as the first major leaguer he coached, visually. Across town, his work with Bob Boone of the California Angels helped Boone earn four consecutive Gold Gloves and break the major league record for games caught in a single season.

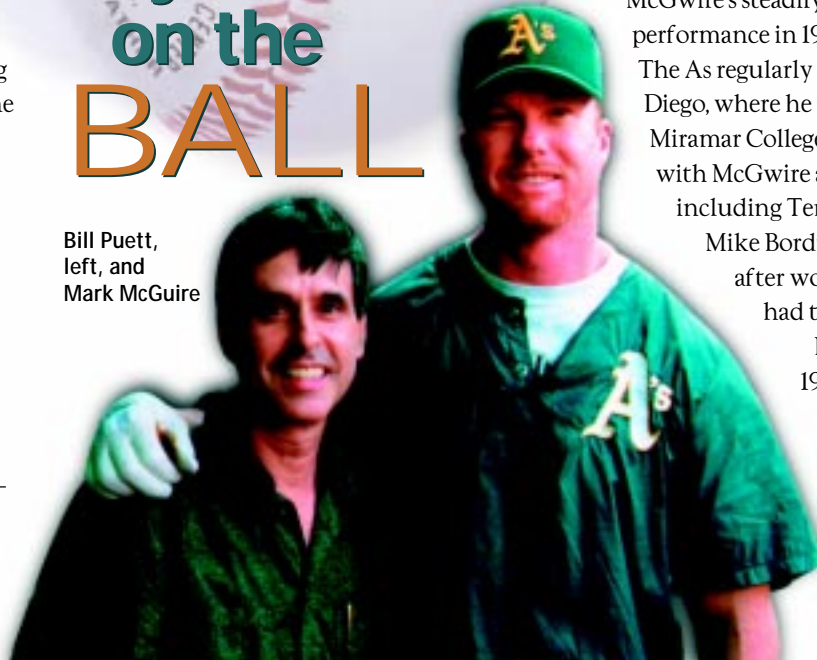
In 1984, Dickie Thon, shortstop for the Philadelphia Phillies, had his eye crushed by a baseball. In 1987, Puett was the first vision specialist to prescribe a treatment program for his recovery. Thon remarkably returned to professional baseball and played for several teams before retiring in 1994.

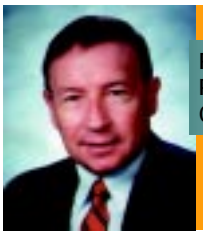
News of Puett's successes spread after the Oakland Athletics, dismayed with McGwire's steadily decreasing performance in 1991, contacted Puett. The As regularly flew Puett from San Diego, where he was teaching at Miramar College, to Oakland to work with McGwire and other players, including Terry Steinback and Mike Bordick, both of whom, after working with Puett, had their best seasons.

In the summer of 1992, Puett traveled the nation working with players on the Athletics' minor league teams.

Helping McGwire Keep His Eyes on the BALL

Bill Puett, left, and Mark McGuire





Rodgers T. Smith
President
Continuing Education

Former San Diego outfielder and slugger Greg Vaughn worked on his sports vision during the off-season prior to his phenomenal 1998 success and, although Puett didn't work directly with Vaughn, the optometrist who did was encouraged by Puett in the early '90s to enter the vision training field.

Puett does much more than work with athletes. A Regents Scholar at the University of California, Berkeley and Chancellor's Teaching Fellow at UCLA, he is also a medical ethicist with the Obstetrical Nurse Practitioner Program at Harbor-UCLA Medical Center and continues to teach philosophy at Miramar College.

Last fall, Puett presented "The Ethics of Cloning" during the college's Evening with the Experts lecture series. As baseball spring training opens in early 1999, Puett will again participate in the lecture series, offering a lecture on vision therapy on March 26 at 6:30 pm in the Lecture Hall, I-101. ■

Based on an original story by Miramar College student Shawn Stanfield for the student newspaper, The SAGE.



▲ Sara Olivar showed her flamenco skills with Jose Antonio Luna in the Fiesta Flamenco program sponsored by World Cultures at City College.

▶ Colorful costumes and colorful music describe Afrekete, a music and dance group that demonstrated African dances and musical instruments at City College. Roxanne Rojas and professional Cuban dancer Juan Carlos Blanco performed before students and staff, and explained that Africa is the origin of many rhythms we hear today, brought by early slaves to Cuba, Latin America and the U.S. ■

Use It or Lose It—the Credo of Older Adult Fitness

Putting muscle to the adage that you're never too old to learn, the district's Continuing Education program supports an extensive array of physical fitness classes for older adults (age 55+).

Each week more than 3,500 seniors benefit from the 140 older adult physical fitness and health classes taught in community locations such as recreation centers, churches, senior centers and retirement homes.

In addition, more than 30 fitness and health classes are taught in convalescent facilities each week. These classes, which

complement the nutrition and health classes, range in scope from walking workout, aerobics, water exercises, PACE (People with Arthritis Can Exercise), rhythmic chair exercises to Tai Chi.

"We are proud of our faculty of dedicated professionals who maintain currency in their field by attending district inservice workshops and professional conferences," said Rod Smith, president of the Continuing Education Centers.

All this hard work was recognized statewide when the older adult fitness

and health program received the California Governor's Council on Physical Fitness and Sports Commendation for "outstanding leadership in the promotion of health and fitness." The Older Adult Fitness recognition is for efforts to improve the fitness of older adults.

The College of the Emeriti was created in September 1977 and since that time has been offering educational opportunities to citizens age 55 years and older, emphasizing the changes in lifestyle that accompany aging. ■

RUNWAY CLEAR FOR TAKE-OFF. Miramar College has added aviation operations to its transportation studies programs. Transfer of the Mesa College program to Miramar expands aeronautical studies, which will now include aviation maintenance technology and pilot and ground school operations. The aviation programs are the only FAA-approved offerings in San Diego and Imperial counties.



Sam Schauerman
Interim President
Miramar College

(continued from page 1)

Germans so oppose genetic manipulation that all packaged foods must be labeled “gene free.” Paradoxically, Germany was the birthplace 130 years ago of a more palatable use of biotechnology when brewers started tinkering with barley malt genes, helping Germany develop one of the world’s finest beer industries.

Where the potential for biotechnology is focused to help agriculture, the environment and economies worldwide, there is generally public acceptance. News of Dolly, the cloned ewe, though, invoked images of human engineering and many people raised ethical red flags. How far is too far? Where do different countries draw the line between technological capabilities and ethics when trying to fool Mother Nature?

A recent six-month sabbatical by biology and biotechnology professor Gee took him around the world in search of answers to these and other questions.

NEW WAVE IDEAS

“There is a new wave of biotechnology in sciences and a new wave in international industries. I wanted to gain a perspective on how different nations use biotechnology in solving national problems, and what is the general attitude of people toward biotechnological development and genetic manipulation, and what is the level of development of biotechnology education and industry,” said Gee.

To explore college-level biology instruction and global views about biotechnology, Gee traveled 38,000 miles and visited 25 universities in 16 countries—the Philippines, Thailand, Vietnam, Hong Kong, Greece, Egypt, Holland, Germany, the Czech Republic,

Professor Gin Gee at Luxor in Egypt

(Far right) Asia’s reliance on rice as a food and export crop puts pressure on biotechnologists to continue to improve rice strains and increase production.



Norway, Sweden, Russia, Hungary, Poland, Turkey and Portugal.

“This sabbatical project was indeed a project of major proportions,” said Gee. “The travel was exhausting at times, but the experience I gained was rich, vivid and memorable. I thank all of my hosts for their generous contributions in making my sabbatical project an informative and enjoyable experience.”

Even after a year’s planning, mid-trip corrections had to be made—eased by e-mail technology—when, for example, Hong Kong was substituted

**What is biotechnology?
It is applying research,
manipulation and
manufacturing to
biological material.**

for Jakarta when the Indonesian capital erupted in riots and became too dangerous.

WESTWARD-HO

Gee started his circumnavigation of the globe in Asia.

An early stopping place was Bangkok’s Kasetsart University, the largest agricultural university in Thailand. Research there is looking into a variety of agribusiness topics: using

rice for blended whisky and rice vinegar, production of yeast extract for food, cocoa fermentation, control of rice fungi, chilling and freezing of food, soy sauce production and biochemical reactions that constitute fermentation of silage [grains in silos for storage].

The International Rice Research Institute located at Los Banos, Laguna, makes the Philippines one of the most important countries in Asia to study the biotechnology of rice.

In Vietnam, biotechnology research focuses on marine product processing. Marine and aqua-cultured organisms and products are important export commodities for foreign exchange for the country.

Scientific progress in former-Eastern Bloc Europe is often crippled by lagging economies. In Russia, many universities and laboratories cannot afford to buy equipment and many professors and researchers have not been paid for many months. Young people are going into business and banking, not sciences.

The exception is Berlin, which likely benefits from the healthy economy of reunified Germany. At the Biotechnology Center in Berlin University of Technology Gee found the most impressive institute of his travels. There, research is underway in more

▼
GRAND OPENINGS. Doors officially opened to the new Miramar College Student Health Center on Oct. 13, 1998, during a ribbon-cutting ceremony where “Uncle Frank” Antonicelli wielded the giant scissors. Antonicelli donated \$50,000 to the college to create health services for Miramar students. The October event also showcased other new and remodeled campus facilities, including the Faculty Resource Center, Smart Classroom, Reprographics Center and Disabled Student Services, Evaluations, EOPS and CalWORKs offices.



than a dozen biosciences seeking solutions to pharmaceutical, medical, agricultural, food processing and environmental issues, among others.

AHEAD OF THE COMPETITION

Even with increased global interest in biotechnology, Gee opined that the U.S. is so far ahead of other countries in technological advances that companies and researchers are moving here in great numbers. Indeed, in reaction to public opposition at home, German pharmaceutical companies such as Schering, Roche and Novartis have moved their research facilities to the U.S. and other countries.

With the United States clearly the leader in biotech advances in pharmaceutical, virus and disease research, San Diego has emerged as a major biotech center. More than 180 biotech industries fuel the job market here for individuals pursuing careers in biotechnology in the 21st century. Developed by industry to help meet current and future job demands, biotechnology at Miramar College is the only associate degree program of its kind in the county.

As a representative of the well-respected U.S. biotechnology community, Gee was enthusiastically

received by host universities. He stayed in professors' homes and guest lectured in university classrooms—where college students had a good command of English—utilizing Powerpoint multimedia technology whenever possible.

As for preferences in learning styles, Gee found these differed among cultures, as well. European students were extremely independent learners; many didn't even attend classes, choosing instead to complete assignments independently. Asian students, on the other hand, prefer to work in team settings, succeeding in the more traditional teaching/learning orderly presentation style.

“About 50 percent of my biology students in San Diego are from different cultural and educational backgrounds,” said Gee. Diverse, but not nearly as multicultural as the university in Budapest where students from 52 countries study. Even further from the U.S. college climate, all university undergraduate students in Thailand wear uniforms and are very deferential to their professors.

INTERNET COURSES

What's next for this world traveler? This incredible six-month trip was only the beginning of Gee's journey.

In fall 1999, he will teach an Honors course at Miramar College, “Principles of Biology” and then develop the lecture component of “Introduction to Biotechnology” into a distance learning modular course.

These courses will be taught from global and multicultural perspectives, and electronically link his students with international university students. The biology professors and scientists he met during his sabbatical projects may serve as resource experts for student's research project.

“These courses will be offered in the Internet for both local and international students.” said Gee. “Many of our biotechnology students received their education with bachelor's or master's degrees in foreign countries, and are currently employed in local biotechnology industries. They can learn basic concepts and terminologies of biotechnology through electronic means in the Internet and come to the college only for hands-on laboratory

In 1998, the Swiss had the opportunity for an historic vote to “protect life and the environment against genetic manipulation.” The referendum was defeated.

techniques. This will provide more students the opportunity to gain an education and upgrade their skills while maintaining their employment.”

Gee is certain that new contacts and relationships will also lead to exchange opportunities for students and faculty in the near future. “Several institutions I visited have expressed an interest in developing an exchange program with our biotechnology program.

“Today the whole world is our total environment and global education is very feasible. I believe it is important to prepare our students for cultural diversity in our community and the workplace.” ■

Gee shared his findings in November at one of Miramar College's popular Friday night lectures, Evening with the Experts. More information on Gee's biology and biotechnology courses can be found at www.visitweb.com/gingee.

SEATTLE SOUTH. Mesa College has become one of very few colleges in Southern California certified by Microsoft Corporation as a trainer of its software. The availability of Microsoft-certified training, beginning spring semester 1999, is expected to be a boon to Mesa students and area employers.

Once again, "holiday angels" made the season joyful for 75 children of Miramar's single parent students. Thirty-five families received gifts provided through the generosity of faculty and staff who selected from a holiday tree paper angels that included a child's name, age and interests. **Katherine Rotherham, Pat Owens-Rodriguez** and **Bernice Reyes** coordinated the Holiday Angel Project. As well, Miramar staffers **Joan Thompson** and **Edith Pollack** created gift bags for the mothers.

Chemistry professor **Daphne Figueroa** has accepted an interim position as Dean of Arts and Sciences for Miramar College. Figueroa will oversee the school through July 1 or until a permanent replacement is found for **Bob Henderson**, who asked to return to the classroom and is now Work Experience coordinator.

Constance Carroll, Mesa College president, spoke last fall at Stanford University's Humanities Center Conference, "The Shape of the Humanities." Her topic was "Islands of Diversity: The Role of the Humanities in Defining Local Communities." She used as an example of activities the 1998 Mesa College Family History Photographic Exhibit which showcased diversity among student, faculty and staff heritages. Carroll was recently featured in the San Diego Business Journal's annual Who's Who in San Diego.

Three City College professors were selected for the fifth edition of Who's Who Among America's Teachers, 1998. Honored were **Carlos de la Lama** and **Poovan Murugesan** from the math department, and **Jerry Wellnitz**, engineering and electronics.



Mesa English professor **Lynda Corbin** was invited by the Western Association of Schools and Colleges (WASC) Accrediting Commission to be a presenter at WASC's Northern and Southern California workshops on how to prepare a self-study. Representatives from 30 colleges attended each of the workshops.

Mesa professor **DaFei Feng** was recently appointed to the 1999 General Chemistry Committee of the American Chemical Society's Examinations Institute. "The appointment reflects

the stature of Dr. Feng among chemical educators and is a significant professional service to the profession," said the institute's director, Dwaine Eubanks.

Next fall, Mesa College political science professor **Carl Luna** begins a 10-month Fulbright Visiting Lectureship at Nizhny Novgorod State University in Russia.

James Barker, City humanities professor, was a featured speaker in the Latin American Artists Lecture Series at the San Diego Museum of Art. His topic was Diego Rivera, giant of 20th century art and considered Mexico's leading muralist.

Kathleen Travis, Continuing Education physical fitness instructor, was honored by the Arthritis Foundation's San Diego Chapter during its "Salute to 50 Heroes" luncheon last May. Travis, a self-help course leader and frequent speaker for the speakers bureau, teaches several arthritis-friendly activity classes.

Maureen Stirling, Continuing Education physical fitness instructor for older adults, earned three gold medals in the Senior Olympics'

Schauerman is Miramar's Interim President

Sam Schauerman, a retired educator who lives in Pauma Valley, was selected to fill the interim post of Miramar College president for the 1998-99 academic year. Schauerman fills a vacancy left by **Louis C. Murillo**, who moved to the district as president of the auxiliary organization and institutional development.

Schauerman, 69, is not new to temporary administrative positions. He has served as interim president at California community colleges twice before—at Chabot College in Hayward in 1997 and at West Valley College in Saratoga in 1995-1996. Prior to his retirement, Schauerman served as superintendent/president of El Camino College for eight years.

SOLD-OUT SERIES. Standing room only was the norm for the popular Miramar College Evening with the Experts free Friday night series, which brings distinguished artists and lecturers to the community and showcases outstanding college faculty. The fall series included "The Ethics of Cloning and Genetic Engineering," presented by Bill Puett, Miramar College philosophy professor and medical ethicist; "Biotechnology from Global Perspectives" by Miramar College biology professor Gin Gee; "The Holocaust of the Streets," with special guest Holocaust survivor Yaja Boren; and "Traditional African Drumming and Dance," by the SDSU African Music Ensemble.

freestyle swimming events in the 75-80-year-old division. The 400-, 100- and 50-meter freestyle swimming events were held at the Navy Seal Base in Coronado.

■ **Mary Burns Prine**, a marathon runner for more than 22 years, continues her success in the over-40 "masters" category. She has placed first master in nine of 13 marathons, and won two of them outright. Her highlight of this past year was the 1998 Boston Marathon, where she ran a 2:47 and qualified for the 2000 Olympic marathon trials, her third Olympic trials. Prine teaches physical fitness and personal development for older adults for Continuing Education.

■ *Little Red Writing Book—A Practical Guide to Writing Your Own Life Story*, by **Lonnie Burstein Hewitt** was published by Telltale Productions in October 1998. Hewitt is a Continuing Education writing instructor for older adults.

■ **Virginia Barton**, Continuing Education instructor of musical experience for older adults, received the first-of-its-kind "Elderhero Award" and a Certificate of Recognition from the California State Assembly for her years of volunteerism to the San Diego-Imperial County Girl Scouts of America, Educational Opportunities, The American Association of Retired Persons as well as her participation in both the Mid-City and San Diego County orchestras.

■ **Donna Price-Macado**, vocational ESL instructor at ECC, has authored a new text called *At School and at Work, Skills for Success*, published by

St. Martin's Press. Price-Machado was also named the outstanding adult educator in ESL at the annual conference of the California Teachers of ESL or Other Languages.

■ Last December **William B. Armstrong**, from the Research and Planning Office received his Ph.D. in education from the University of California, Los Angeles. His dissertation, "Analyzing Community College Outcomes by Analyzing Student Data and Instructor Effects," studied factors that predict community college student performance and retention in English and mathematics courses.

■ **Marsha Rogers**, teacher of drawing, painting and arts and crafts for Continuing Education, is chair of docents at the Museum of Contemporary Art. Rogers, who has an art degree, leads guided tours and along with the other 30 docents has to learn a new exhibit, some of which contain 200-300 works of art, every three months.

■ Miramar College observed World AIDS Day on Dec. 1 with the 6th annual Candlelight Memorial service, hosted by psychology professor **Mary Lee Meiners**.



LOGGING ON

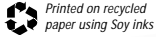
Sid Forman leads a seminar on "Computers for Technophobes" at City College during last fall's flex days. In response to faculty requests for more technology training, a flex day was devoted to seminars on topics from Forman's for the novice to intermediate and advanced instruction in word processing, spreadsheets, desktop publishing, multimedia, Internet research and authoring Internet courses. Seminars were conducted at new faculty/staff technology training centers at the colleges and at the New Media Center on Aero Drive. Since then, another center has opened in Mission Valley near the District Office. Almost 500 faculty members signed up for the training, and evaluation forms carry overwhelmingly positive reactions to this first large-scale technology training effort. ■



San Diego Community College District

Administrative Offices
3375 Camino del Rio South
San Diego, CA 92108-3883
619-584-6500

The San Diego Community College District is governed by its Board of Trustees. No oral or written representation is binding on the San Diego Community College District without the express approval of the Board of Trustees. 2/99/7.5



Newsletter: Gold Medallion



Precious Medals

The district's Communications Services department was recently honored to receive five Medallion of Excellence awards from the National Council for Marketing and Public Relations (NCMPR), District VI.

The NCMPR is a professional organization for persons involved in marketing, communications and public

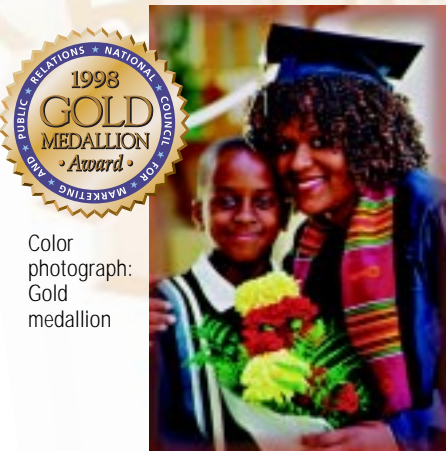
relations at two-year community, junior and technical colleges in the U.S., Canada, and various Pacific island territories and nations. The largest affiliate council of the American Association of Community Colleges, NCMPR has more than 1,450 members.

The San Diego Community College District is a member of NCMPR's District VI, which represents two-year colleges in Arizona, California, Hawaii, Nevada, Utah, Micronesia, Northern Marianas, American Samoa, Australia, Guam, New Zealand, Trust Territories and Wake Island.

"We are very proud of these awards because they represent recognition of the highest professional calibre by our peers in public higher education," said Communications Services Manager Janet Fialho. ■



District web site: Silver Medallion



Color photograph: Gold medallion



Student recruitment postcard: Silver medallion



Color photograph: Silver medallion

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