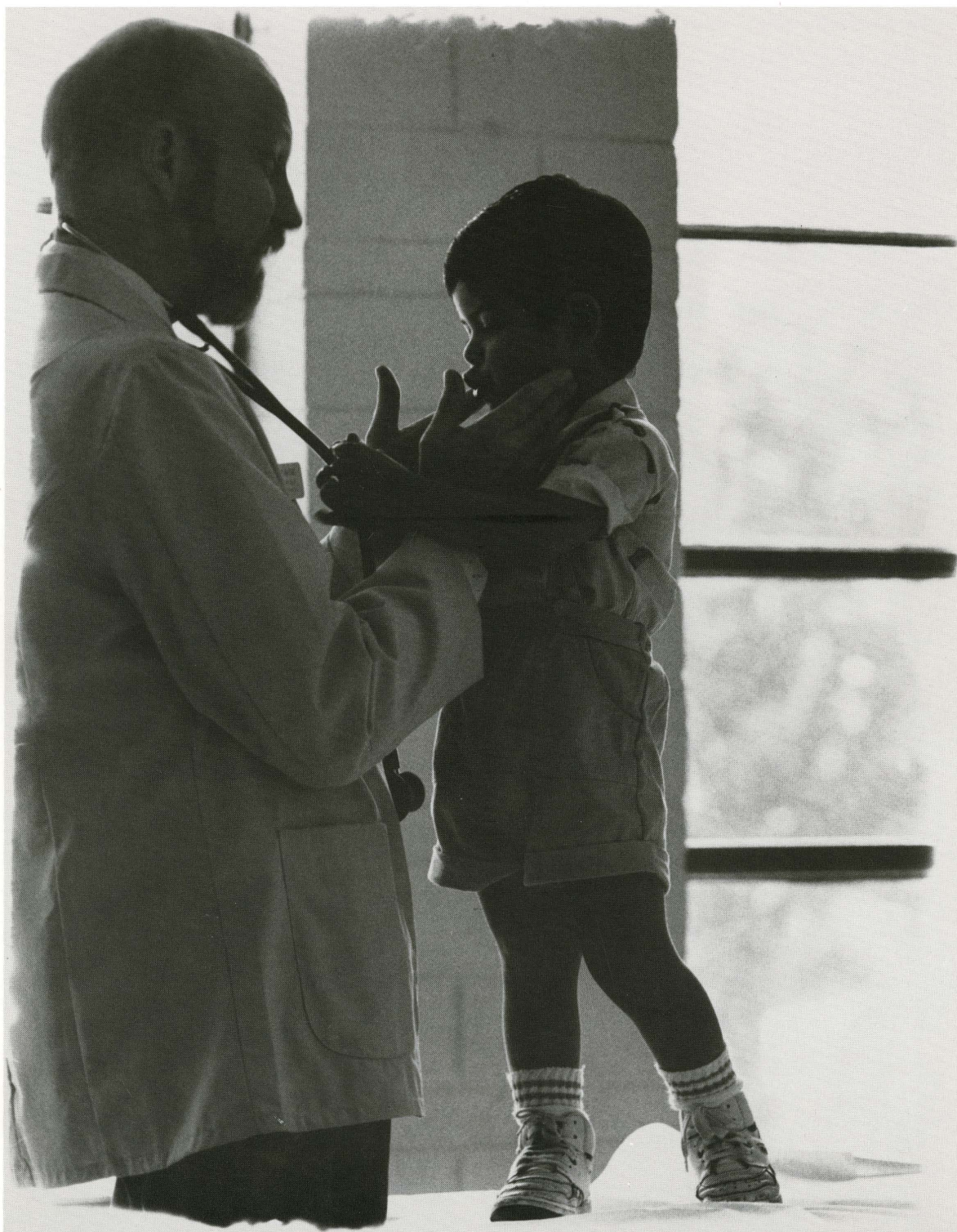


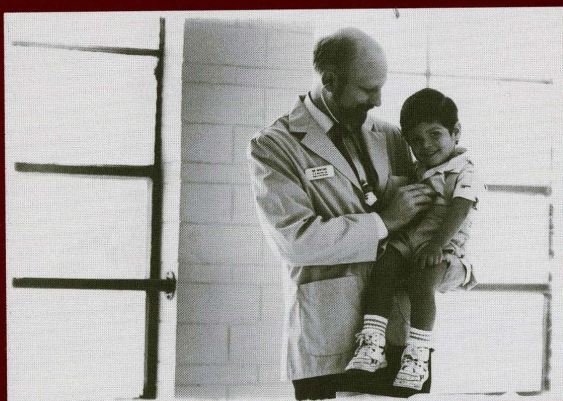
T C O M R E V I E W

FALL / WINTER

1991



***TCOM's North Side
Community Clinic—
Making a difference***



ON THE COVER:
TCOM alumnus Craig Whiting, D.O., a family physician in the Community Partnership Primary Care project, spends a little extra time getting to know a young patient at the college's North Side community clinic. See story on page 6.

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MORE THAN JUST SKIN DEEP

Researchers break new ground to better study wound healing and the aging of skin and corneas.



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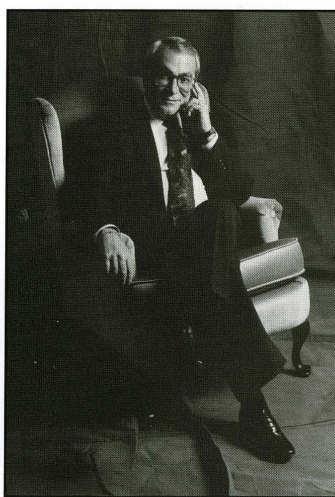
BY THE PEOPLE, FOR THE PEOPLE

TCOM, UTA and local Hispanic leaders are partners in a new program to help a community help itself.

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"LIFE IS NOT A DRESS REHEARSAL"

An interview with TCOM's new vice president for academic affairs and dean.



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New doctors in debt
by President David M. Richards, D.O.

G

rowing skin in a laboratory may seem like a concept from a science fiction novel, but Robert Gracy, Ph.D., is doing just that. The TCOM biochemistry chairman and his colleagues have developed a human skin equivalent system that is helping them break new ground in the study of wound healing and the aging of skin and corneas.

The system's potential impact on the study of aging has attracted international attention. "All countries are experiencing huge increases in their elderly populations," Gracy says. "With that comes all the medical problems associated with aging, including vision impairment and decline of the immune system and wound healing. Those are some of the problems we're looking at."

MORE THAN JUST SKIN DEEP

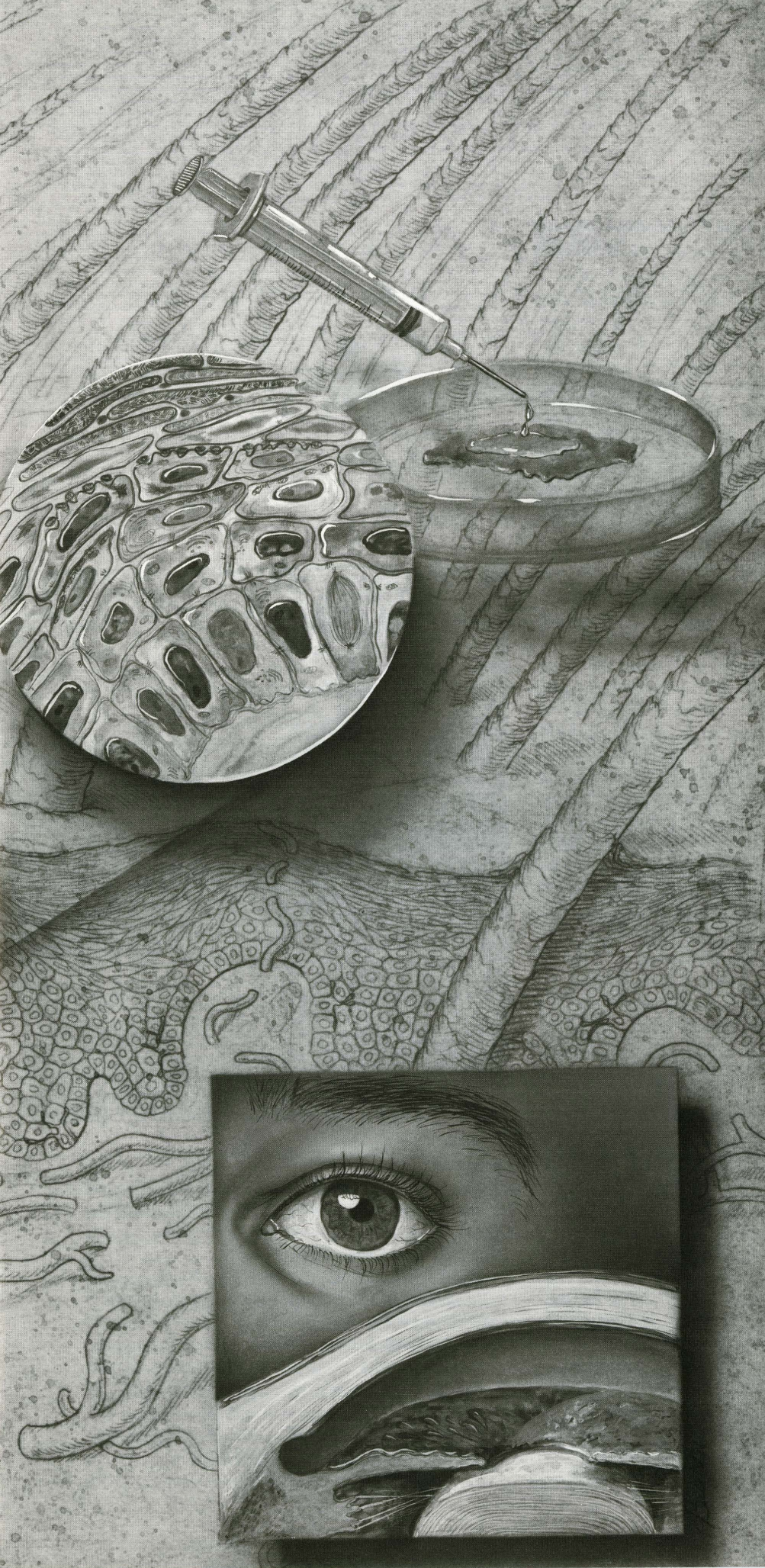
The new system already has played an important role in the testing of a Johnson & Johnson product, Interceed®, which helps prevent tissue adhesions after surgery. TCOM researchers worked with Johnson & Johnson to test the toxicity and compatibility of the biodegradable, clothlike material, which is laid over wounds to prevent adjacent tissues from growing together. The tests helped the company gain Federal Drug Administration approval, and the product was named one of the top 10 new devices of 1990 by the FDA.

A new study to be conducted by TCOM for Johnson & Johnson will examine the differences of photo (sun-induced) aging and chronological aging, Gracy says. "No one's ever done a systematic study of this type. I think it will be very informative to learn what are intrinsic aging factors and what we can prevent by limiting our exposure to the sun."

The procedure begins with the removal of cells from skin samples. Those cells are layered, exposed to nutrients and air, and incubated at body temperature. Growth factors — which can stimulate tissues to grow at

CONTINUED ON PAGE 4





Before the skin-growing procedure begins, skin samples are taken, usually from the upper arm of the donor. Cells are then removed from the samples: keratinocytes from the epidermal layer and fibroblasts from the dermal layer (see enlarged portion of illustration). Those cells are layered, exposed to nutrients and air, and incubated at body temperature. Growth factors — which can stimulate tissues to grow at more than 100 percent their normal rate — may be added via a pipette or syringe (upper right), and the equivalent of human skin matures within weeks. To grow corneal tissue in a similar procedure, cells are taken from the corneal epithelium (bottom right).

“Science should be fun and exciting, and this is both. I find myself waking up in the middle of the night with another idea or suddenly stopping in the middle of a shower to go write something down.” —Robert W. Gracy, Ph.D.

CONTINUED FROM PAGE 2

more than 100 percent their normal rate — may be added, and the equivalent of human skin matures within weeks.

“We’ve looked at a lot of biological and chemical parameters of the system,” Gracy says. “It has surprised us how incredibly accurate it is in mimicking real skin. The beauty of it is that it’s highly controllable and highly reproducible.” Corneal tissue is grown in a similar manner.

Other institutions have developed comparable tissue equivalent systems to study hair growth and to grow skin for transplantation to victims of burns, Gracy says. “Our system is different from theirs because our needs are different. They want to grow a large mass of skin to transplant onto burn patients. We need tissue that is semi-transparent to study the cellular and molecular processes of aging and wound healing systematically.”

The benefits of using the laboratory-grown tissue are manifold, Gracy says. “A new product that enhances healing can be tested on it and quickly evaluated in terms of method of application, dosage and the type of format — cream, gel, etc. — it is produced in. Hundreds of different concentrations can be tested at the same time at a fraction of the cost of other forms of testing. The opportunity to screen and find better drugs quickly is greatly enhanced.”

The system may also drastically reduce the number of animals needed for experiments on how wounds heal.

“Until recently, the experimental side of wound healing has been restricted primarily to animals,” Gracy says. “Besides being expensive, it raises concerns about harming the animal and whether or not the information can be extrapolated to a human being. While the system may not totally replace animal usage, perhaps it could help researchers narrow the range and test toxicity on far fewer animals.”

IN THE BEGINNING...

Development of the skin equivalent system was a natural extension of research on aging already being

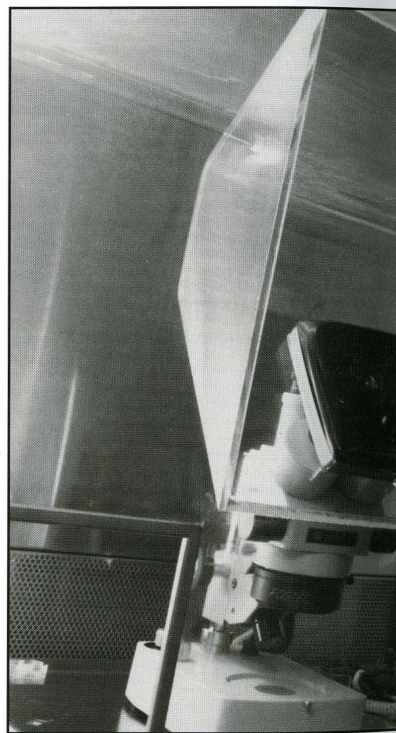
conducted at TCOM. It began with a \$3 million, 10-year MERIT (Method to Extend Research in Time) award from the National Institutes of Health in 1987 and about \$340,000 in grants awarded from the Texas Advanced Research and Technology Program. Further funding comes from pharmaceutical and biotechnology firms.

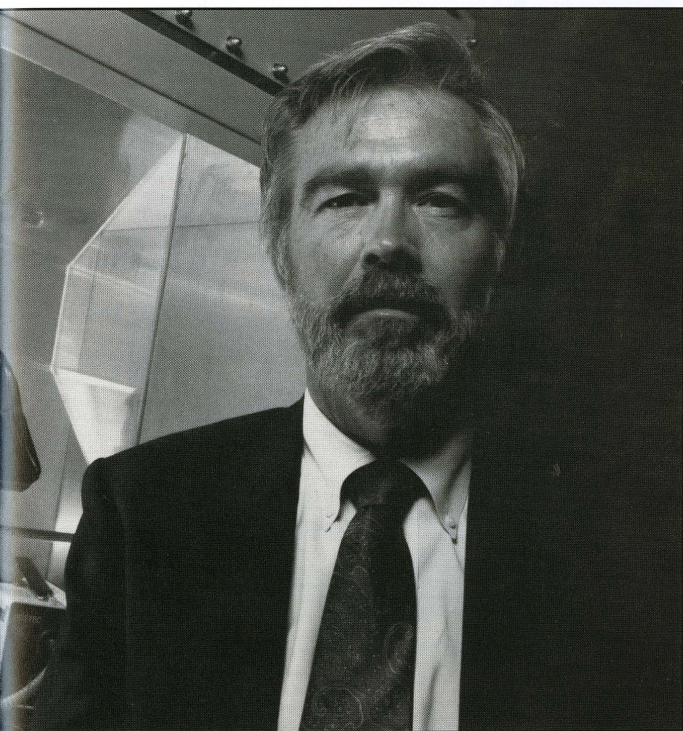
Combining skin and cornea studies made sense, Gracy says, because both are damaged by ultraviolet rays and both deteriorate with age. “One of the things we’re interested in

determining is why the cornea is so much more effective at healing than skin,” he says. “The cornea gets damaged all the time — from dust particles, even when you’re sleeping — but it heals very quickly.”

The research team has had some interim successes and some interim failures while developing the system and exploring its applications.

“We’ve received bad batches of growth media or skin contaminated with bacteria that have forced us to throw everything out and start all over again,” Gracy says. “We’ve also had some important milestones. About two years ago, we began working with abnormal skin (with psoriasis or skin cancer) and saw the same manifestations in skin equivalents that we saw in human individuals with





the same disease. That gave us a great deal more confidence that our model system of the human skin equivalent was authentic."

The team's discovery eventually lead to the development of a compound that may be used to treat psoriasis. The compound is under FDA evaluation.

Because tissue equivalent systems offer such exciting research and medical possibilities, more applications for them are being devised all the time. "I imagine in the not-too-distant future we'll be growing improved skin and corneas and many other more complex tissue equivalents," Gracy says. "The possible experiments are endless. The difficulty is in deciding which experiments to do first. That's a nice problem to have."

HAVE RESEARCH, WILL TRAVEL

"On the Road Again" would seem the perfect theme song for biochemistry department chairman Robert Gracy, Ph.D., since his international research collaborations often have him traveling around the globe. Gracy believes developmental, or sabbatical, leave helps individual researchers meet new research colleagues, increase the scope of their research programs and develop new methods and technological expertise.

Academic departments and institutions also benefit through enhanced research capabilities, increased international recognition, receipt of international research grants and recruitment of visiting faculty and staff, he says. (His laboratory recently hosted researchers from Germany, Mexico and China.)

"I think the really challenging questions in medicine and science are the big, complex things that require a team effort and input from people with different backgrounds," he says. "The flood of knowledge has become so massive that no one person can be expected to be an expert in everything — even with the assistance of computers. The idea is to get as many good people thinking about these projects as

possible and let them use their imaginations."

In 1976, Gracy was the first TCOM faculty member to receive a Faculty Developmental Leave to conduct research at another institution. Since then, his research collaborations and speaking engagements have taken him to China, Japan, Great Britain, Germany, Israel, the Netherlands and several other countries.

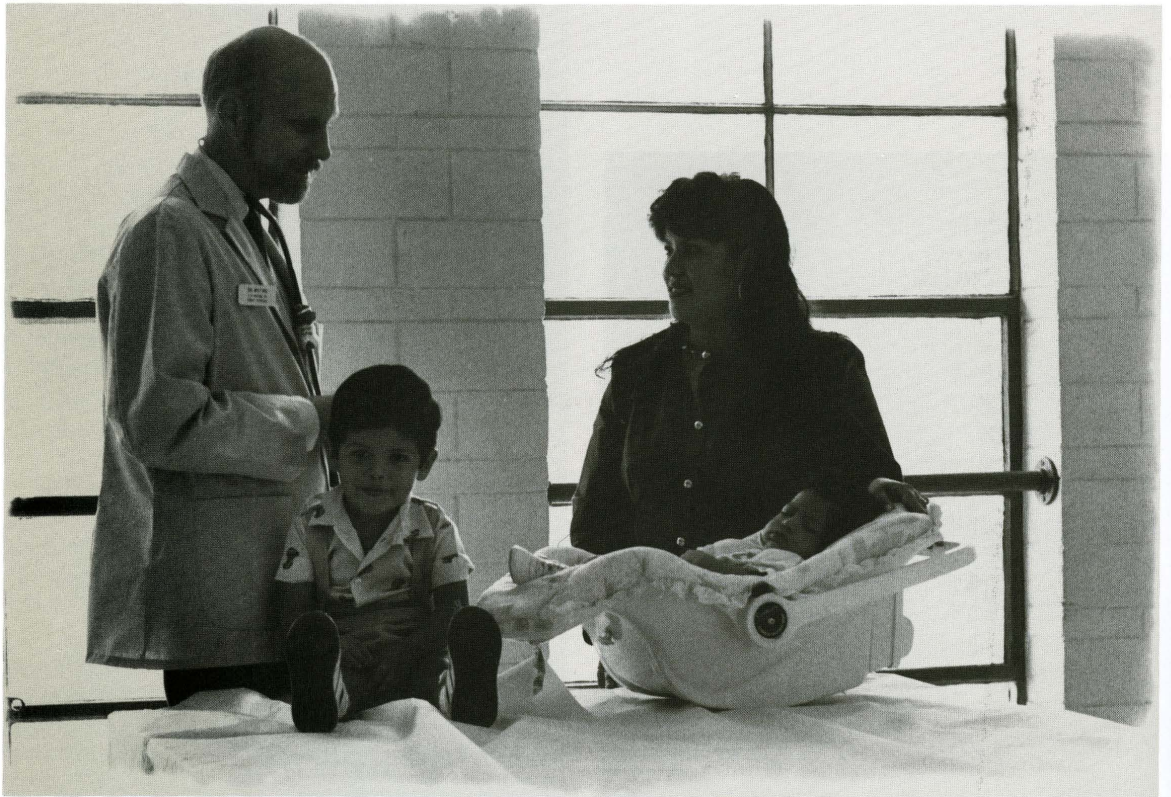
In 1990, Gracy took six months' sabbatical to make presentations on TCOM's research in aging at several European universities and medical schools, and to learn new techniques of nuclear magnetic resonance of proteins.

During his "spare time" in Europe, Gracy helped establish new collaborative aging research programs and a researcher exchange program with European universities and research institutions.

Most of the faculty members in his department have followed his lead and have taken similar developmental leaves to expand their research, he says. "I attribute a great deal of the success and national and international recognition of our department to these efforts."

*Professionals and community leaders
forge a partnership to pioneer a new system of health care—
one that's created*

By the people, for



The most urgent health care problem in Tarrant County identified by professionals is health care for the medically indigent. A group in particular need is Hispanics. They are the least likely group in Tarrant County to have health insurance and the least likely to have received free care in the prior year. Hispanics report a significantly higher experience of fair or poor health than any other group in the county. Their children are twice as likely to not receive health care as white children.

*— paraphrased from "Health Care in Tarrant County,"
a 1989 Lou Harris and Associates Inc. study funded by the Amon G. Carter,
Sid W. Richardson and Anne Burnett and Charles Tandy foundations.*

the people

Seven-year-old Juan kept getting sent home from school complaining of headaches and eye pain. Notes to his parents failed to bring a response.

"After I talked with the school nurse and principal, our community worker visited with the boy's family and uncovered the real problem," recalled the family nurse practitioner.

The community worker had found that the parents, recently moved from Mexico, speaking little English and poor, weren't uncaring, just confused. "They kept sending him to school, and the school kept sending him home complaining of pain," the nurse practitioner said. "We did a simple exam and found that Juan had one lazy eye and was nearly blind in the other."

Within a few weeks, Juan was referred to an ophthalmologist and got free glasses through the Texas Commission for the Blind. His whole family now goes to the clinic for their general health care.

An aging veteran came to the clinic seeking relief from severe stomach pain. Immediate surgery was needed, but he had no way to get to the Dallas veterans hospital.

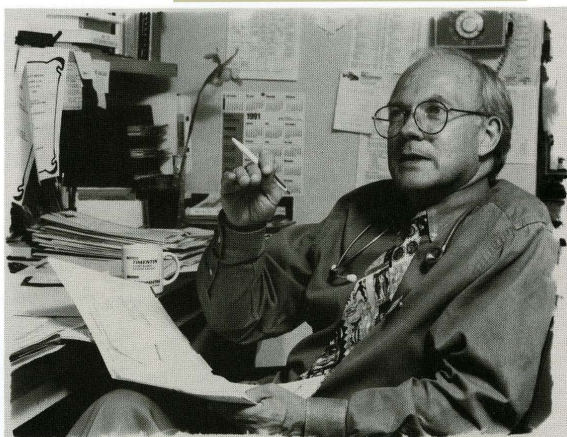
As familiar with community service networking as he is with the human body, the man's physician contacted the Red Cross. "They provide letters that are just like free bus tickets," the physician said. "We had him on the road in no time."

Quite by accident, the clinic's community worker discovered a woman in her 40s and three children homesteading in a vacant, vermin-infested house. Their last home had been the park. The family nurse practitioner who followed up on the case persuaded them to come to the clinic for treatment of their myriad health problems.

Familiar with the vicious cycle of homelessness, the clinic staff knew their care would be short-term if the destitute woman did not try to find assistance, housing and a job.

"Even if she had known the right agencies to appeal to for help, her fourth-grade education would have made it impossible to fill out the right forms," the clinic physician said. "We tried to help her get started." So the physician met the mother at the North Side Inter-Church Association, where together they tackled the forms that everyone hoped would lead to a new beginning.

But that was several weeks ago, and when the nurse practitioner made her last visit to check on the children, the house was vacant again. "I'm afraid they may be lost to us," she said.



"We must enable people to shape their own destinies and enhance their own well-being."

— Richard Baldwin,
D.O.

The health care professionals of TCOM's North Side Clinic who tell these true stories call themselves the *Equipo de Salud*, which roughly translated means the Team for Health. They dispense traditional health care as well as their own special brand of community outreach to their Fort Worth neighborhood's mostly Hispanic residents.

The college clinic, along with a community-run day-care center and a senior citizens' center, opened in 1978. In response to a local study, residents had identified these three

facilities as top priorities; state and federal funding then built an extension onto a popular recreation center to house the services. Today, the North Side Multipurpose Building, as the complex is

known, and its adjacent playground and park bustle with activity from dawn to dark.

This fall, the North Side Clinic team is wrapping up its first year of a four-year Community Partnership Primary Care Project, a collaborative effort of TCOM and the University of Texas at Arlington's School of Nursing. The project's extra staff and services are made possible by a \$1.1 million grant from the W.K. Kellogg Foundation and local supporting funds from the Sid W. Richardson Foundation, Anne Burnett and Charles Tandy Foundation, and the Tandy Corp.

"CPPC is an entirely different approach by health care practitioners," says Reni Courtney, R.N., Ph.D., faculty member at both TCOM and UTA and project director. "It's a different

commitment in terms of the scope of care we're providing; a commitment to working outside the traditional medical setting through a partnership with the schools, civic organizations and neighborhood groups to improve the health and well-being of this entire community."

"One of our team's fundamental principles is that we don't come in with solutions to problems we identify, but rather we help the community identify its own problems and its own solutions. We're not the knights on white horses," explains Craig Whiting, D.O., CPPC project physician and TCOM alumnus.

The project's non-traditional approach is partly due to the specialized knowledge, perspectives and skills that two family nurse practitioners (registered nurses with a master's degree in family nursing) and a community worker bring to the team, according to Courtney. "They're essential to the new services of our CPPC practice," she says.

Elaine Ballard, R.N., one of the certified family nurse practitioners, likes the challenge, but is realistic in her expectations. "We're rolling up our sleeves and saying, 'Show us how we can help you work your problems out.' Most respond, but some don't. We reach as many as we can." It was Ballard, making a home visit, who discovered that her migrant patients had moved on without warning.

Linking the team to the North Side's schools was one of the first community projects for CPPC's other certified family nurse practitioner, Margaret Gariota, R.N. She has met with every principal and school nurse.

"They know they can depend on us and call us anytime," Gariota says. "When a nurse has a child with a problem, she gets him to us quickly, and we work him in that same day. They help us maintain a constant follow-up with our patients.



"We're establishing new roles not just for doctors and nurses, but also for the people they serve. We're a model for turning a traditional consumer-provider relationship into a more active partnership."

— Reni Courtney, R.N.,
Ph.D.

Our actions complement one another, not counteract one another, in order to help us all do the best we can for the children."

"This clinic is an example of osteopathic care in its purest sense," says Richard Baldwin, D.O., TCOM associate professor of general and family practice and associate director of the project. It was Baldwin who went to the Inter-Church office with the destitute mother of three and helped the veteran get to Dallas.

"Health is not something that is given to people, it is created by them," he says. "If we don't follow through, teach families how to stay healthy and use our resource network of service agencies to help people help themselves, we've not done our job."

To Baldwin, the team's project is like the Chinese proverb "Give a man a fish and you feed him for a day. Teach him to fish and you feed him for a lifetime."

"No one disputes the need for more health care services for people who have economic, psychological or cultural barriers to the health care system. But removing the barriers doesn't guarantee health will improve or people will use services. We must enable people to shape their own destinies and enhance their own well-being.

"Even if we don't get continued funding for this project (the grant expires in August of 1993), we hope to have made a lasting difference within the neighborhood," he says.

Courtney believes the most long-lived benefit of the project may be its Partners Council. The council is an independent group of North Side residents who work cooperatively with the health care team. Their many goals include helping clinic/project staff stay responsive to community needs, establishing a network of volunteer community workers, and organizing task forces to fight the increasing problems of drug abuse, gang violence, teen-age

pregnancy and neighborhood crime.

Heading the Partners Council is Manuel Valdez, justice of the peace for Tarrant County Precinct 5.

Courtney characterizes him as a "longtime, grass-roots community advocate." A 1984 Dallas Morning News feature article, now framed and hanging amid certificates, sports trophies and family portraits in his downtown chambers, describes a youth headed for the other side of the bench: "He was the high-strung son of a poor Hispanic family. A bored adolescent, who, like many of his contemporaries, turned to a youth gang for excitement."

Fortunately, Valdez says, the Marines and Vietnam taught him self-discipline. The newspaper profiled the Fort Worth native when he was 37 and chairman of an advisory board called Yo Soy, a successful effort by Fort Worth city, school, police and community officials to curb gang vandalism, violence and drug abuse, primarily for the Hispanics of the North Side. His community service career had only just begun.

"I've been on boards and commissions for years, and each has had the same purpose, to better our community," Valdez says. "But this project was unique in that it said the professionals were willing to go above and beyond to help uncover our real needs, what makes us tick, the negatives and the positives... to help us find the answers for ourselves. And, of course, we're all learning a lot more about the important role that health plays in our lives."

Valdez sees the North Side partnership as a perfect vehicle for helping his Hispanic community

"We're all learning a lot more about the important role that health plays in our lives."

*—Manuel Valdez,
Partners Council*



"We're rolling up our sleeves and saying, 'Show us how we can help you work your problems out,'"

—Elaine Ballard, R.N.

overcome its reluctance to "break into the system" and to change generations-old attitudes of compliance.

"If people feel comfortable in coming to a health care clinic, in being able to sit down and really talk to a professional, to not hide problems but learn how to conquer them... if we can prove that they can make a difference in how this community clinic is run or what the Partners Council does... then we've gone a long way to making these people feel more confident about themselves."

It's a simple, but important, first step on the road to self-determination, he says.

Courtney agrees: "A lot of the people in this community don't trust the system, whether that's the political system, the education system or the health system. They're not comfortable getting involved and saying, 'Let's think of a better way to do this, a way that makes more sense to my family or my culture.' I think our project will play a role in facilitating the empowerment of these people."

As Valdez puts it, "We've got to realize the system is us."

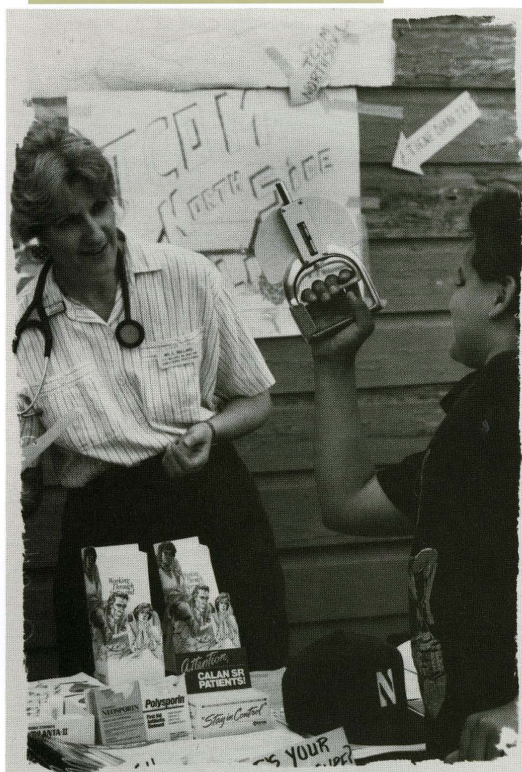
The parents of a troublesome teen-ager were distraught over their son's deformed back, fearful that it would develop into the same severe scoliosis that had required their older son to have surgery. To make matters worse, the boy was suspected of sniffing glue.

The family nurse practitioner talked with his school nurse to



learn more. She began personal visits to the boy's home, counseling him on the importance of staying in school, self-confidence, and drug abuse and its consequences. She helped the parents, who speak only Spanish, understand the limited extent of their son's physical affliction. Today, she's optimistic about the family's progress in avoiding the damage that fear and ignorance might have caused — both physical and emotional.

Before earning the Community Partnership Primary Care grant, TCOM's clinic operated with traditional teaching clinic staffing: one faculty physician and six rotating student physicians. Now, in addition to the clinical support staff, there are two full-time physicians from the TCOM faculty, a community worker and two family nurse practitioners who hold faculty appointments at both TCOM and UTA. The grant allows for two additional nurse practitioners and one additional community worker. Both TCOM and UTA students will soon begin rotating through the CPPC practice. Most of the North Side patients have no insurance, and many are eligible for Medicaid and Medicare. Clinic fees are based on family size and the ability to pay.



Inquiries, applications for admission and credentials of entering students are on the rise at TCOM.

Contributing to this encouraging development is a growing participation by some of the college's most valuable resources: its students and alumni.

Applications from Texas residents (who must make up 90 percent of each class) rose 5.4 percent in 1990 and 7 percent in 1991, according to Brent Jones, Ph.D., associate director for admissions. Out-of-state applications have risen more than 36 percent. The gain halts a decline that began in the mid-1980s, which affected medical schools across the country, he says.

More Choosing Medicine

"During the '80s, some highly qualified students chose law and business," Jones says. "Medical schools were burdened with a negative image: long years of study, tens of thousands of dollars in debt and the fear of malpractice. But the negatives are losing their shock value, and I think the economy may play a part in the cycle. Human beings will always need doctors, and so students now tend to view the medical field as a safer bet than business or law in a recession."

This upsurge in interest should allow admissions decision-makers to be more selective in building a class, Jones says. The result will be students with better grade point averages, Medical College Admissions Test scores and other credentials. "The key word to remember in analyzing application numbers is 'qualified'," he says. "Overall interest is definitely up, and that's great, but we want our piece of the bigger applicant pool to contain only the brightest, most promising future physicians."

TCOM's newest students, the Class of '95, illustrate another facet of the favorable national trend: an increase in more mature applicants and career-switchers. Eight first-year students have master's degrees and one has a doctorate (in chiropractic). Twenty-seven of the 114 students in the Class of '95 are over 30, with five age "forty-something."

Second-career students are not a novelty at TCOM, Jones notes, as about half those in the entering classes of the past several years

Great Expectations

"have abandoned career and comfort for the rigors of medical school." Nurses, a physician's assistant, pharmacist, phlebotomist, veterinarian, engineer and flight attendant are among TCOM's newest physicians-in-training. And while the majority of their classmates were traditional science majors in college, others studied diverse subjects such as computer science, industrial and corporate fitness, music, agriculture, zoology, architecture, and chemical and electrical engineering.

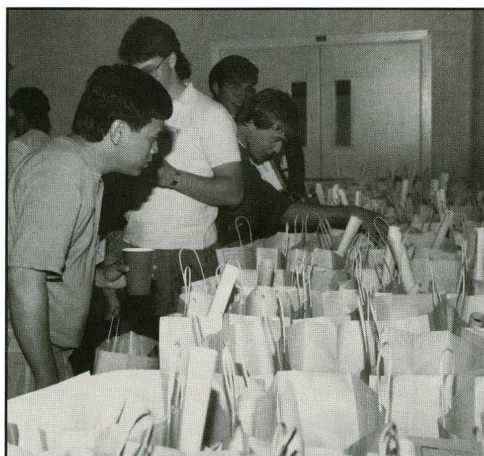
Filling each entering class with quality students is "everybody's business," Jones says, and sometimes family and marriage play decisive roles in recruitment. About 10 percent of TCOM's current 379 students enjoy some sort of "family ties," notes Registrar Betty Belton. She's counting 14 students who are married to other students, three students who are married to TCOM alumni, five sets of brothers and/or sisters and four more students who are siblings of alumni.

Alumni, Students Help

The admissions staff has increased its efforts to involve both students and alumni in recruitment endeavors, Jones says. "Our students asked to play a more active role in the admissions process, and we gave it to them," he says. "Whether escorting applicants on TCOM tours, housing prospects in town during interviews or addressing groups of premeds across the state, they've been some of our most avid recruiters." With the help of TCOM's alumni office, graduates are notified whenever TCOM recruiters visit their town, and those who have been invited to assist have done so enthusiastically, Jones says. Faculty members and other community physicians also make recruiting trips,

interview applicants and serve on the admissions committee.

"With the entire TCOM family mobilized, chances are better than ever that the most capable applicants will be hand-picked for the hands-on osteopathic approach to medicine," Jones says. "I look for the '90s to be a decade of distinction for TCOM thanks to the results of all these efforts."



MEMBERS OF THE CLASS OF '95 INSPECT "SURVIVAL KITS" DONATED BY THE TCOM ALUMNI ASSOCIATION.

Negotiations on a proposed clinical teaching affiliation between TCOM and Tarrant County's John Peter Smith Hospital began in September. College administrators say the talks are the most substantial

progress made on the issue since TCOM first began seeking an affiliation with the public hospital in 1973.

TCOM officials presented the formal affiliation proposal to county commissioners and the Tarrant County Hospital District Board this summer. Supporters of the plan say the resulting partnership would bring new resources to bear on the county's much-publicized concerns about infant mortality, teen-age pregnancy, AIDS, emergency room responsiveness and adequate services for the poor, uninsured and indigent who rely on Tarrant County's public hospital for their medical care.

"We have always believed that an affiliation between TCOM and our county hospital was logical and reasonable," says President David M. Richards, D.O. "We both are tax-supported institutions. We both exist to serve the public. As public servants, it is our responsibility to work cooperatively to bring the best health care possible to Tarrant County residents who need it most."

According to Richards, TCOM already provides more than \$1 million worth of indigent care through its clinics, but to provide substantially more — which he says state legislators are encouraging the college to do — an affiliation with the public hospital is essential. In Texas, TCOM has major teaching affiliations with seven private hospitals, the Sam Rayburn Memorial Veteran's Center in Bonham, the Robert L. Thompson Strategic Hospital at Carswell Air Force Base in Fort Worth, Darnall Army Community Hospital in Fort Hood, William Beaumont Army Medical Center in El Paso and the University of Texas Health Center at Tyler.

Under TCOM's proposal, college physicians would direct residency programs at JPS in 10 specialties, which would add about 150 residents to the JPS staff during a phased implementation period of two to six years. The initial phase of clinical services would include neonatology, perinatology, pediatrics, emergency medicine, AIDS/infectious diseases/clinical immunology, anesthesiology, mental health, pathology, radiology, and public health and preventive medicine. The proposal would preserve and complement the family practice residency program at JPS that has been administered by the University of Texas Southwestern Medical Center in Dallas since 1974. Currently, Southwestern-affiliated family practice residents, including several TCOM graduates, provide most of the patient care at JPS.

TCOM's proposal has received endorsements from the TCOM/University of North Texas Board of Regents, the

TCOM Pursues County Hospital Affiliation

TCOM Advisory Council, Tarrant County legislators and local community leaders. "Not a day has gone by in the past five years that I haven't had a meeting or a conversation regarding this issue,"

Richards says. "Our chancellor, Dr. Al Hurley, and the vice chairman of our Board of Regents, Buddy Langley, have been particularly active in helping us come so far in the past year."

UNT also would contribute to proposed services at JPS through its School of Community Service, Institute for Studies in Addictions, Center for Behavior Analysis, Center for Rehabilitation Studies, Center for Studies in Aging and other departments.

At the request of TCOM and UNT, a panel of medical education consultants came to Fort Worth in May to review the affiliation plan and solicit views on the opportunities for cooperation between TCOM and JPS. They published a report recommending a full affiliation that would incorporate all of TCOM's proposed residency programs. The panel's chairman was John R. Hogness, M.D., president of the University of Washington, president of the Institute of Medicine of the National Science Foundation and past president of the Association of Academic Health Centers. Other panel members were Lawrence Haspel, D.O., a cardiologist and vice president for hospital operations at Chicago Osteopathic Health Systems, and Ruth S. Hanft, Ph.D., a research professor at George Washington University and an internationally known specialist in health care financing.

This summer, Harris Methodist Health System, Tarrant County's largest health care provider, also commissioned a study of Tarrant County medical education from the consulting firm of Lewin/ICF, a Health & Sciences International Inc. company in San Francisco. The consultant's report recommended an affiliation between the two institutions that was less extensive than TCOM's proposal.

Richards says both studies recognize a need for improved coordination of services among the county's health care providers and "a more accessible, synergistic system wherein joint endeavors can bring far greater results than separate, uncoordinated efforts."

"Now is the time to concentrate on what can be done, not what can't work," says Benjamin L. Cohen, D.O., vice president for academic affairs and dean. "It's the time to look at successful models of public health care in communities like Fort Worth and how they make maximum use of all their resources, including medical schools."

"We are Fort Worth's medical school. Doesn't it make sense that our doctors of tomorrow should be part of the solution to our critical health care needs today?"

Founders' Medals Awarded to D.O.s Serving Homefront and Abroad

A local leader in community health care and a national leader in military medicine were awarded the 1991 TCOM Founders' Medals.

President David M. Richards, D.O., presented the college's highest honor to Joseph L. LaManna, D.O., of Dallas and Brig. Gen. Ronald R. Blanck, D.O., chief of the U.S. Army Medical Corps., at convocation ceremonies Sept. 27. The annual celebration also officially welcomed the Class of 1995.

"He epitomizes the virtue of giving back to those from whom he has received," Richards said of LaManna. "For four decades he has served as a physician, friend and philanthropist with a dedication to professional and personal integrity."

The son of Italian immigrants, LaManna graduated from what is now known as the University of Osteopathic Medicine and Health Sciences College of Osteopathic Medicine and Surgery in Des Moines, Iowa. He opened his practice in the Oak Cliff section of Dallas in 1951.

As chief of staff at Stevens Park Hospital in Oak Cliff when it sold in 1983, he was a key proponent in establishing a charitable foundation with proceeds from the sale. The foundation, Dallas Southwest Osteopathic Physicians Inc., provides financial support for osteopathic, civic, educational and community service projects, primarily in Oak Cliff and west Dallas. Under his leadership as chairman of DSWOP's board of trustees, the foundation has supported TCOM's continuing medical education program since 1985. DSWOP has also provided a grant to the Texas Osteopathic Medical Association Auxiliary for osteopathic research and scholarships to TCOM.



JOSEPH L. LAMANNA, D.O.

LaManna has been chief of staff of Oak Cliff's Dallas Family Hospital since 1984.

Two of LaManna's children have ties to TCOM: Joseph L. LaManna III, D.O., a urologist, is a 1980 graduate; Jack LaManna is in the class of 1992;

As chief of the Army's Medical Corps Affairs, Brig. Gen. Ronald R. Blanck, D.O., was one of the principal architects in mobilizing the medical care system that supported U.S. and allied military personnel in Operation Desert Storm in the Persian Gulf. He was responsible for calling up 2,500 physician reservists to complement the nearly 5,500 Army doctors on active duty.

"He exemplifies the model of military leadership that places country above self and stresses dedication to the well-being of those with whom he serves," Richards said in his introduction of Blanck.

Blanck earned his D.O. degree from the Philadelphia College of Osteopathic Medicine in 1967. After his internship, he was one of the first D.O.s drafted and assigned to active duty as a general medical officer in Vietnam. His residency in internal medicine was at Walter Reed Army Medical Center. His distinguished military assignments have included service



RONALD R. BLANCK, D.O.

as commander of the Frankfurt Regional Medical Center in Germany, commander of the U.S. Army Medical Department Activities Office in Berlin and chief of the Department of Medicine at Brooke Army Medical Center at Fort Sam Houston in San Antonio.

Blanck is the representative of all U.S. Army physicians to the Office of the Surgeon General and is responsible for the graduate medical education, career development and assignment of all Medical Corps physicians.

LIBRARY BECOMING COUNTY'S MEDICAL INFORMATION BROKER

TCOM's Health Sciences Library is fast emerging as a major resource center for medical information in Tarrant County.

Several hospitals, faced with the lack of funds, space and personnel required to maintain their own library of current medical information, are contracting with the TCOM library to furnish their library services. The library now provides medical information services to All Saints Episcopal Hospital, Harris Methodist Fort Worth, Cook-Fort Worth Children's Medical Center and Huguley Memorial Medical Center. A growing number of physicians on staff at John Peter Smith, St. Joseph and Medical Plaza hospitals also use the library on an individual, non-contract basis.

ANIMAL CARE FACILITY RECEIVES HIGHEST CERTIFICATION

TCOM's animal care facility has achieved the highest ranking possible from the two national organizations that issue accreditation to laboratory animal care facilities at hospitals, medical schools and institutions conducting medical research. All employees of the animal care facility are now certified by the American Association for Laboratory Animal Science (AALAS). TCOM's facility also has received the highest ranking possible from the American Association for Accreditation of Laboratory Animal Care (AAALAC).

International Exchange Program Debuts

Texas College of Osteopathic Medicine is helping Indonesian health care professionals learn the new medical technology they need to upgrade the health care system in their country.

As part of a new TCOM educational exchange program, five Indonesian radiology teachers, three men and two women, are studying cross-sectional anatomy and the latest radiology procedures during their five-month stay in Fort Worth.

"This is the opportunity of a lifetime for them," says Greg McQueen, TCOM's assistant to the vice president for academic affairs and director of international health-

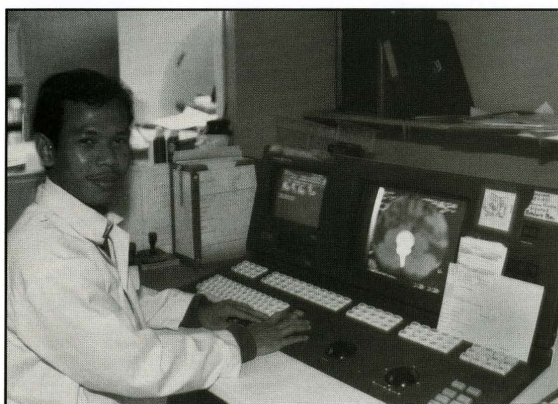
related programs. "In Indonesia, these professionals are both teachers and technicians. Here, they will be students again, learning how to change the structure of their own radiology colleges' educational system.

"This Indonesian Ministry of Health project has significance for the 170 million people of Indonesia. Because the Indonesian health care system is centralized and controlled by the government, what this group and others like them learn will affect their country's health care system and the educational structure that supports it," McQueen says.

"With the advanced technologies used today, the radiology technician's role is complex and important. They enhance images created through CT scans, ultrasound, etc., for detailed study. These technicians must be highly trained and knowledgeable in subjects such as cross-sectional anatomy and pathology so they know what to look for," McQueen says.

Having completed classes at TCOM, the Indonesians will work directly with the radiology departments of the Osteopathic Medical Center of Texas, TCOM's primary teaching hospital, and Harris Methodist Fort Worth until November.

Bambang "Bowo" Wibowo, 26, left his bride of one year in Jakarta to study magnetic resonance



RADIOLOGY TEACHER TURNED STUDENT NUR UTAMA AT WORK IN THE COMPUTERIZED TOMOGRAPHY (CT) SCANNING ROOM AT THE OSTEOPATHIC MEDICAL CENTER OF TEXAS, TCOM'S PRIMARY TEACHING HOSPITAL.

Thinking Globally, Acting Locally

With an eye to everchanging global health needs, TCOM has established a new position to facilitate the development of international exchanges involving health-related programs.

Greg McQueen is TCOM's new director of international health-related programs. In addition to continuing his duties as assistant to the vice president for

academic affairs and dean, McQueen will serve as a resource on international matters and provide assistance to TCOM administrators and faculty and members of the Fort Worth community in dealing with international problems and issues. His other charges include:

- Pursuing joint ventures with other educational institutions and businesses and industries that are seeking international

imaging (MRI) and other state-of-the-art technology. "Maybe if she was at home, she'd be lonely. But she's in college, studying accounting," he says.

McQueen also has assembled a team of four curriculum specialists from Ohio and Toronto universities to present a program known as Developing A Curriculum (DACUM) to the visiting teachers. "Using nationally proven DACUM techniques, the Indonesians will learn

how to analyze the role of specialists in CAT scanning and MRI. Once they can better define the specialized tasks of radiology technicians, they can then develop the educational system and equipment necessary to

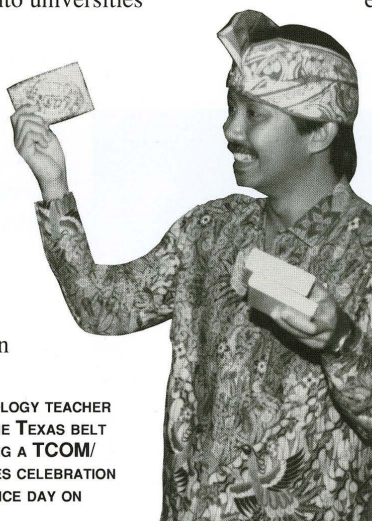
effectively teach the skills back in their home country," McQueen says.

The radiology training program is part of an Indonesian Ministry of Health project that is funded by the World

Bank, a consortium of countries that lend money to developing nations to pursue economic and social growth.

TCOM participated in an official Fort Worth Sister Cities delegation to Bandung, Indonesia, last April. During that trip, McQueen and TCOM President David M. Richards, D.O., began planning for student and faculty exchanges with an Indonesian medical school and initiated contractual projects that would allow TCOM to aid in the planning and development of the country's health care education system. McQueen also arranged for six more Indonesian radiology teachers/technicians to study ultrasound techniques at El Centro Community College in Dallas. TCOM students are scheduled to visit Indonesia as part of their rotating internships next year.

VISITING INDONESIAN RADIOLOGY TEACHER SUHARTONO SHOWS OFF THE TEXAS BELT BUCKLE HE RECEIVED DURING A TCOM/FORT WORTH SISTER CITIES CELEBRATION OF INDONESIAN INDEPENDENCE DAY ON AUGUST 20.



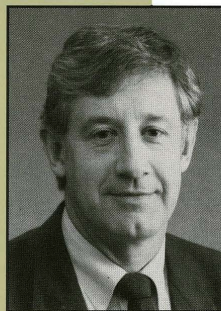
opportunities in health-related initiatives or education and training projects.

- Identifying, developing and negotiating international contracts with foreign governments and international agencies such as the World Bank and the Asian Development Bank.
- Facilitating international faculty/student exchanges, and linking the college with international initiatives being taken at local, state and national levels.

- Broadening the scope available to the University of North Texas in international endeavors related to health management and organizational development. (TCOM is under the direction of the University of North Texas Board of Regents.)

McQueen has 10 years of experience in international relations in education and training. Before coming to TCOM in 1989, he was involved in educational ventures in Canada, the Netherlands, England, Wales and Indonesia.

He has continued his relationship with Indonesia while at TCOM and is completing a World Bank-funded project for the Indonesian Ministry of Health. The project is a joint venture involving educational institutions in several countries, one of the world's largest engineering firms (Lavalin International of Montreal) and a private firm in Jakarta, Indonesia.



GREG McQUEEN

Five prestigious foundations provided funding for the expansion of TCOM's 1991 Minority High School Research Apprentice Program to include economically disadvantaged high school students from Fort Worth.

Contributing foundations include the Max and Victoria Dreyfus Foundation Inc. of New York, RGK Foundation of Austin, and the Alcon, Pate and Gil & Dody Weaver foundations, all of Fort Worth.

The program, previously funded entirely by the National Institutes of Health, pairs students with faculty investigators involved in health-related research. For eight weeks during the summer, the student apprentices learn how research is done using modern techniques and instrumentation. "The program is designed to stimulate students' interest in research and to encourage them to pursue careers in science," says Harold W. Keller, Ph.D., program director.

The response to TCOM's call for support "greatly exceeded our expectations," Keller says. "These organizations recognize the importance of this kind of partnership and the value of assisting minorities and disadvantaged students early on. They realize that these programs may provide the impetus for these students to major in biomedical science in college and perhaps go on to medical school."

Since 1985, minority students from the Fort Worth school district's High School of Medical Professions at North Side have been the sole participants in the apprentice program. Private funding was sought to include talented economically disadvantaged students who were previously ineligible to participate in the program because of their ethnicity, Keller says.

Connie Smith, magnet program administrator at North Side, says students have benefited enormously from the apprentice program. Last year, several summer apprentices went on to win local, state and national science fair competitions and another student was the first National Merit Scholar from North Side.

For the first time, the NIH also provided \$5,000 in funding for a high school science teacher to participate in a summer research project with a TCOM researcher. The experience is designed to update teachers' skills in

modern research instrumentation and techniques and broaden their knowledge of scientific concepts, Keller says. "If we can get a teacher working in a research environment here, that experience can be taken back to the classroom and incorporated into hands-on laboratory experiences."

Learning "Real-Life" Science

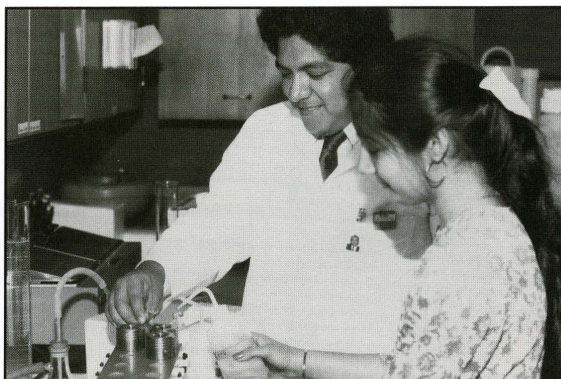
Paramjit Kaur "Pam" Bhogal, a 1991 North Side graduate who plans to be a cardiovascular surgeon, helped TCOM assistant

professor Rafael Alvarez-Gonzalez, Ph.D., with cancer research through both the apprentice program and a TCOM/North Side Adopt-A-School preceptorship. Bhogal devoted about 120 hours of her spare time (including Christmas vacation) to her research.

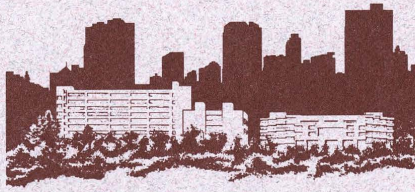
Alvarez-Gonzalez was "very helpful," Bhogal says, and he offered advice and a recommendation for a scholarship project. "I was able to get a feel for chemistry that I wasn't able to get in high school, the techniques of real-life science. I found out how things I'm learning now will apply later on," she says. "In my apprenticeship, I was exposed to the day-to-day responsibilities of the workplace. It's maturing to be there. Everyone treats you like an adult."

Nam Thanh Ly, also a North Side magnet school graduate, says he gained more than scientific knowledge from working as an apprentice in TCOM's biochemistry and pharmacology departments. "The research and presentations even bolstered my confidence," he says. "Working in the program also has given me the opportunity to examine my own interests and has influenced me to choose biochemistry as my college major."

High School Apprentice Program Expands



APPRENTICE PAM BHOGAL HELPS RAFAEL ALVAREZ-GONZALEZ, PH.D., MICROBIOLOGY AND IMMUNOLOGY, WITH CANCER RESEARCH DURING HER SUMMER STUDY AT TCOM.



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September 1, 1990, through August 31, 1991

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Thank you for adding your commitment to ours.

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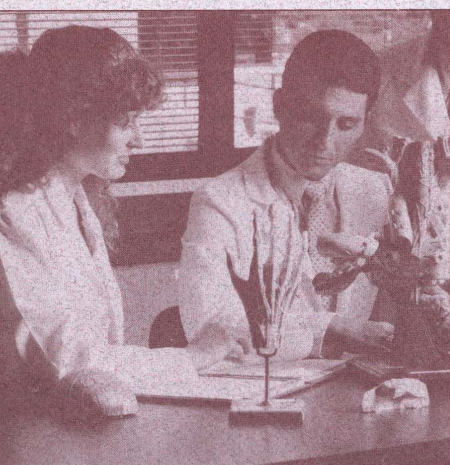
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TCOM students don't just need your support. They deserve it.

Today's TCOM students are the osteopathic physicians of the 21st century. These exceptional men and women, like the 1,200-plus who have graduated before them, are willing to accept the tremendous challenges — and expenses — of a modern medical career because they want to make a difference in the quality of life for generations to come.

A few statistics tell an important story: Our newest class, the Class of 1995, has 114 students. Each one met rigorous academic standards required for admission to TCOM. About one-third are women. The average age is 27. Forty-five are married. Twenty-five have children. Many already had begun careers, most in health care, when they made the decision to go to medical school in order to make their dreams of being physicians come true.

Of the 114, 95 need financial assistance to meet tuition and living expenses. Their needs are very similar to the other three classes at TCOM.



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What kind of support is needed?

Individuals and organizations can support TCOM students' financial needs in many ways:

- Funded scholarships based on undergraduate academic excellence, financial need, or both
- Funded scholarships for gifted disadvantaged and minority students
- Funded scholarships or awards based on performance while in any year of the TCOM curriculum
- Funded scholarships based on a student's medical practice plans



- Annual contributions to the TCOM Foundation's Scholarship and Emergency Loan Funds
- Annual Senior Awards
- Or any number of other appropriate methods as determined by the benefactor.

Why are scholarships important?

When recruiting students, TCOM is extremely competitive in facilities, faculty, curriculum, clinical experiences and career opportunities. But every one of the hundreds of prospective students who apply to TCOM each year ask about financial aid. Many of them must ultimately base their medical school decision on the answer they receive. Why?

- One year's tuition at TCOM for a Texas resident is \$5,463. Tuition plus personal expenses for four years add up to an estimated \$79,843 (and this does not include living expenses for a spouse or family). Tuition will increase in 1992.

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* These special projects were completed and dedicated in September 1990.

- Out-of-state students who apply for one of the 10 hotly contested non-resident slots in each entering class face an annual tuition of \$21,852.
- The average indebtedness of a 1991 TCOM graduate was \$51,000, and some interest rates will triple that within five years.
- The cost of a quality medical education, combined with the escalating expenses of establishing and maintaining a successful medical practice, contribute to the decision by many students to choose careers other than medicine.

The bottom line is that TCOM needs more scholarships to encourage the best and brightest students to choose Texas' only school of osteopathic medicine for their education.

When is help needed?

More TCOM Student Scholarship Benefactors are needed today. Private scholarship donors provide some level of support for about 30 of our best students. Amounts range from \$500 to \$5,000 per student. That means that TCOM's 300-plus other students — many of whom have very competitive academic credentials and are deserving of scholarships — must rely on interest-accumulating loans to finance their medical education.

How can you help?

There are many ways, as a TCOM Scholarship Benefactor, that you can help make a future osteopathic physician's dream come true. Scholarship gifts are tax-deductible and awarded according to the benefactor's criteria. To support TCOM scholarships, consider:

- Annual Memberships in TCOM Foundation Giving Clubs
- Gifts in Honor or Memory of a Loved One
- Senior Awards for Excellence
- Gifts of Real Estate and Personal Property
- Gifts Through Retirement Planning
- Charitable Trusts and Gift Annuities
- Remembering TCOM in a Will Bequest or Life Insurance

Make a difference today.

Your scholarship gift, large or small, is an investment in the future of TCOM and osteopathic medicine. To make a difference today, or to learn more about becoming a TCOM Student Scholarship Benefactor, please contact:

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GRANTS & GIFTS FOR RESEARCH

TCOM believes that a strong, active biomedical research program is essential to the education of well-trained, scientifically responsible physicians and to the increased exposure of the osteopathic profession.

In little more than two decades, TCOM has nurtured a team of internationally renowned scholars in areas such as cardiovascular physiology, the biochemistry of aging, parasitic diseases, the link between nutrition and cancer, chemical dependency, vision, and cholesterol and heart disease. With substantial extramural support, we have also become a leader in educational research, pioneering computer-assisted instruction and innovative strategies for faculty and curriculum development.

TCOM's dedicated scientists, physicians and educators are proud to be partners in excellence with the following far-sighted organizations and individuals who have supported our research endeavors during the 1990-91 fiscal year.†

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 Wyeth-Ayerst Research

†A substantial number of research grants and contracts at TCOM encompass more than one year. Grantors listed here are only those whose awards became effective during this fiscal year. For details on all research projects at TCOM, please contact the Office for Research at (817) 735-2561.

Although we have carefully prepared this report, errors can occur. If your name has been misspelled or omitted, please accept our apologies and contact the TCOM Office for Development at (817) 735-2613 so that we may correct our records.

* These special projects were completed and dedicated in September 1990.

89 Earn Degrees

President David M. Richards, D.O., told the 89 graduates of TCOM's 18th Annual Commencement June 1 that their education as a physician has not ended but is just beginning.

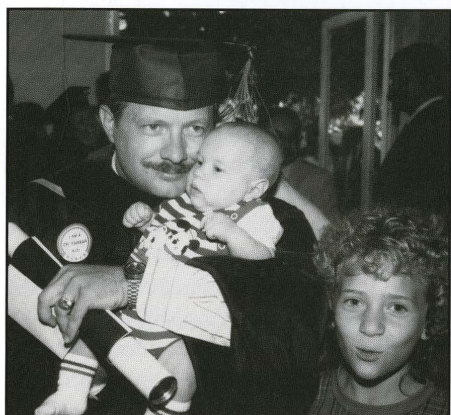
Commencement speaker Charles D. Ogilvie, D.O., professor emeritus of TCOM and holder of the TCOM Founders' Medal, echoed the president's message of lifelong commitment: "Your life in medicine becomes a vehicle for individual fulfillment. The adventure of a medical

career is to be found on the road — the journey — not at some nebulous destination."

On hand to greet the Class of '91 was Texas House Speaker Gibson D. "Gib" Lewis, a longtime supporter of TCOM. In 1975, Lewis introduced legislation in the Texas House of Representatives proposing the union of TCOM and then-North Texas State University.

The 89-member class brings to 1,270 the number of osteopathic physicians who

have graduated from TCOM. One degree was presented posthumously to the family of Elizabeth Sharp in a private ceremony following commencement. Sharp died Sept. 11, 1990, after a lengthy illness.



TONY HEDGES, D.O., CELEBRATES AT GRADUATION.

New Center Links TCOM, UNT Aging Studies

TCOM and the University of North Texas are expanding their joint pursuits in the study of aging. The new Texas Institute for Research and Education on Aging, established Sept. 1, will link faculty on each campus to complement the schools' long-respected expertise in the scientific, medical and social aspects of aging, according to institute director Stanley Ingman, Ph.D., a member of both faculties.

"Our mission is to launch innovative, multidisciplinary research projects that are nationally and internationally significant and to develop educational programs and service models that promote the well-being of older people," he says. "In addition to consulting on grants or projects and providing limited funds for pilot projects, we plan to bring a visiting scholar in aging to both campuses each month to review drafts of proposals and provide technical assistance to our research team."

The institute is governed by Ingman and an executive committee. Initial committee members are Robert Gracy, Ph.D., TCOM professor and chairman of biochemistry and molecular biology, and a major grant-holder for his research in the immune system of the elderly; Janice Knebl, D.O., chief of TCOM's geriatric services; and Thomas Fairchild, Ph.D., of UNT's Center for Studies in Aging. The committee and its director report to TCOM Dean Benjamin Cohen, D.O., and UNT Provost Blaine Brownell, Ph.D.

NEW CLINIC OPENS IN MID-CITIES

TCOM's Medicine Clinic Northeast opened May 1 near Northeast Community Hospital in Bedford.

Assistant professors Chester Godell, D.O., and Keith Vasenius, D.O., Class of '86, staff the clinic full time. Other Department of Medicine faculty members also provide specialty services at this new branch of TCOM's 14-year-old Medicine Clinic.

HONORS DAY RECOGNIZES EXCELLENCE, SERVICE

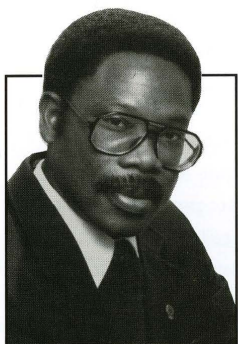
Awards for academic excellence and contributions to TCOM and the community were presented to more than 100 medical students during TCOM's first-ever Honor's Day on May 16. Benjamin L. Cohen, D.O., vice president for academic affairs and dean, said the achievements of the honorees represent sacrifice, including time away from their families and earning a living. He expressed appreciation to the recipients' families for their support and understanding of the "very tough job" of attending medical school.

PERFECT SCORES

All 96 members of the Class of 1993 passed Part One of the examination required by the National Board of Osteopathic Medical Examiners. Their scores this past spring on all seven test areas were significantly higher than the national average of the other 14 osteopathic medical schools. Part Two of the exam is given in the second half of the fourth year of medical school. Students must pass both parts in order to graduate. For licensure in Texas, D.O.s — and M.D.s — must pass the Federal Licensing Examination.

Sickle Cell Researcher and Family Receive National Award

James K. Dzandu, Ph.D., assistant professor of anatomy and cell biology, and his family received the "Honored Black Family for 1991" award from Health and Human Services Secretary Louis Sullivan in recognition of their efforts to improve community awareness of sickle cell disease. The award was presented to Dzandu, his wife, Patricia N. Dzandu, R.N., and their five children at the 13th Annual Black Family Conference at Hampton University in Hampton, Va., in March.



JAMES DZANDU, Ph.D.

Every year Hampton University, which is Patricia Dzandu's alma mater, honors an African-American family exhibiting strength of character, strong religious orientation, commitment to education, community service and other qualities.

"This is an honor for Texas and for TCOM," James Dzandu says. "The college administration has been very benevolent in creating an environment that permits me and others engaged in scholarly inquiry to do what we do. I would not have received this award without the type of environment that is being developed here."

The Dzandus have both served on the board of directors of the National Association for Sickle Cell Disease (NASCD). Patricia Dzandu also has served as chairwoman of the NASCD's Annual Convention and Scholarship Committee for four years. Her activities include the development of educational tools to help children understand sickle cell disease and assisting with sickle cell awareness workshops. With the assistance of their children — Qiana, 16; Miriam and Thena, 12; James, 11; and Jaime, 2 — the Dzandus have conducted joint lectures on medical/research and psychosocial issues affecting sickle cell patients.

"Our involvement with sickle cell disease is two-fold," James Dzandu says. "I am part of the research effort to find a cure or an effective means of treatment. My wife is involved with helping people with the disease live useful and beneficial lives until a cure is found. Unfortunately, that may be many years away." He says that while sickle cell disease affects primarily blacks, the disease also is

found, sometimes in high numbers, in countries such as Saudi Arabia, Indonesia, India, Egypt, Turkey, Greece and Sicily.

To aid researchers in their investigations of the disease, James Dzandu developed a process called the "Dzandu Double-Staining Technique," which permits the various compounds in the blood to be observed. The technique has been adopted as a teaching device by TCOM and many other medical schools.

Dzandu has received numerous awards and recognitions for his personal dedication and professional contributions to conquering sickle cell disease. He is a member of the executive board of the Sickle Cell Anemia Association of Texas and has made television presentations on his sickle cell research. He is a regular reviewer for Analytical Biochemistry, an international science journal, and is a member of the editorial board for Viewpoints, an international publication on sickle cell research. He is a member of the Scientific Advisory Committee of the National Association for Sickle Cell Inc.

At TCOM, Dzandu has chaired the Affirmative Action Committee and is actively involved in the recruitment of minority medical students and the Health Careers Opportunity Program (a summer program that teaches minority and economically disadvantaged students survival skills for medical school; see story below).

New Grant Keeps Summer Study Doors Open

The U.S. Department of Health and Human Services awarded TCOM more than \$380,000 to fund TCOM's Health Careers Opportunity Program through August 1993.

Texas A&M University and the University of Texas Health Science Center at San Antonio are the only other two medical schools in Texas to be approved for such a grant.

Since 1985, TCOM's summer-study programs have given more than 400 minority

and economically disadvantaged college students an opportunity to sharpen study skills and improve their marketability for graduate school education. The students attend lectures, visit clinics, attend an autopsy and take tests designed to be comparable to medical school tests.

The summer 1991 HCOP brought 19 students to TCOM for a taste of life in medical school. Twelve HCOP alumni are currently enrolled at TCOM.

The "Doctor" Wore High-top Sneakers

High-top sneakers and Ninja Turtles T-shirts were the the dress of the day when local students learned some of the skills of a "real live" doctor last fall at TCOM. Fourteen teachers and more than 130 students from Fort Worth and Eagle Mountain-Saginaw middle schools participated in the two free workshops.

The "Fun With Medical Science" workshops — part of TCOM's new Science Learning and Investigational Center for Kids (SLICK) — were designed to kindle an interest in science and medicine in sixth-, seventh- and eighth-grade students through hands-on involvement, instructional presentations, videos, computer programs and library resource information, said Tom Yorio, Ph.D., chairman of SLICK and TCOM professor of pharmacology.

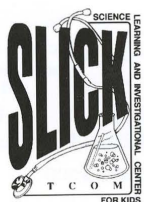
"There wasn't a lot of lecturing," Yorio said. "We just tried to give the students varied programs and hands-on experiences that the schools can't afford to give them. We want to show them that science can be fun. We hope they'll carry that interest with them."

According to Yorio, the science and mathematics skills of children and teen-agers in the United States have dropped significantly in recent years. (A state-by-state comparison of math abilities found that only one in seven junior high school students achieved the proficiency expected by federal education officials.)

"There also is a decrease in the number of American students seeking degrees in science and medicine," he said. "The local

schools often are unable to obtain instrumentation and facilities that demonstrate the newer science technologies that provide a stimulus for students to major in the sciences. We're offering a needed service to the local schools by providing up-to-date science information and training to teachers and students."

Rubidel Johnson, chairman of Morningside Middle School's science department, said the workshop gave her students insight into what is required of medical students. "It shows the kids what they will have to learn so they can determine if they want to go on with a medical career or move on to something else."



Silvia Valencia, an eighth-grader at Rosemont Middle School, said her school's science club sponsor encouraged her to attend. "I wanted to come because I like science, and I want to be a biologist," she said.

Katrina Kimbrough, an eighth-grader at Morningside, said she "just wanted to see how this medical stuff works."

An interest in sports medicine prompted Eric Gonzales, a seventh-grader at J.P. Elder Middle School, to participate. "I'm still deciding if I want to go into sports medicine," he

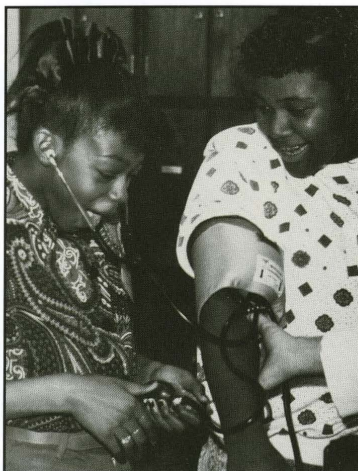
said. "But I'm interested in medicine and I wanted to come. I'm having a wonderful time."

Yorio has applied for grants to pay for future SLICK programs that will involve both students and teachers. He is also seeking financial assistance to develop a related program for science teachers who teach mostly minority students. Those teachers will work with TCOM researchers to learn practical applications of life sciences to pass along to their students, SLICK participants and fellow science teachers.

"Right now the teachers don't have the training to apply this knowledge to everyday classroom situations," he said. "By helping them develop and test experiments to use in their classrooms, we hope that they will gain the experience, confidence and skill to continue developing new learning experiences for their students."

MORE MIDDLE SCHOOL STUDENTS MAKE "VITAL LINK" AT TCOM

Fourteen Fort Worth Independent School District middle school students participated in the pilot program Vital Link at TCOM this summer. Created by the American Business Conference (ABC), the three-week program is designed to motivate students and provide them with a correlation between the classroom and the workplace. At TCOM, the preteens assisted in research projects, worked on computers and learned about day-to-day office and clinic operations. Fort Worth is one of three areas in the country chosen by the ABC to implement the Vital Link program.



SLICK PARTICIPANTS CHECK EACH OTHER'S BLOOD PRESSURE.

When all the dust settles, a round of recent construction projects will leave TCOM with improved clinical and support facilities and Fort Worth with a more attractive Cultural District (TCOM's campus borders the district's northern edge).

The largest project completed, the General Services Building, is a 15,129-square-foot facility housing campus police, a carpentry shop, central supply, custodial services, maintenance facilities, a print shop and



THE OLD PIANO STORE BUILDING — NOW THE DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR.

property control.

The project was completed in February at about \$250,000 below projected costs, a feat that earned the praise of the state Higher Education Coordinating Board, says Mike Ferguson Jr., vice president for fiscal and administrative affairs. "Our architects wrote excellent specifications, and Ken Coffelt (assistant vice president for administrative affairs) and Milton Schultz (director of construction, facilities and renovation) worked

Building a Better TCOM

'hand in glove' with the architects and builders every step of the way to make sure the job was done right," he says.

A 2,910-square-foot extension to the Surgery Clinic, also completed in February, provides 10 new examination rooms and additional space for the nurses' station and waiting room.

TCOM's Activity Center also has undergone many improvements,

beginning with the completion of new shower and locker room facilities in early 1990.

During last September's ceremonies

marking the opening of the center's newly equipped and renovated weight/exercise room and

a new multipurpose court for basketball, volleyball

and tennis, President David M. Richards, D.O., made the first "official" basket.

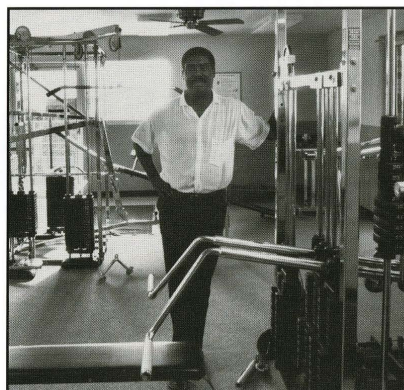
Improvements and additions to the Activity Center were funded through the TCOM

Foundation and the Class of '90.

Renovation and landscaping of the old piano store building at the easternmost edge of campus—the new home of psychiatry and human behavior's clinical and academic offices—and improvements to the Westside Pediatric Consultants clinic next door (formerly the Tarrant County Medical

Examiner's Building) were completed in August.

The second expansion in three years to the Internal Medicine



ACTIVITY CENTER DIRECTOR ODELL THEDFORD SHOWS OFF THE NEW WEIGHT/EXERCISE EQUIPMENT.

Clinic will permit relocation of the Gerontology Assessment and Planning program (an extension of the Department of Medicine) from leased space off campus. That move will allow the two operations to share waiting room space, examination rooms and support staff. Completion is expected later this fall.



THE TCOM "LOOK" STRETCHES FARTHER DOWN CAMP BOWIE BOULEVARD WITH THE RENOVATION OF THE WESTSIDE PEDIATRIC CONSULTANTS CLINIC (FORMERLY THE MEDICAL EXAMINER'S OFFICE).

PEOPLE

Robert Adams, D.O., was named chairman of the Department of Obstetrics and Gynecology after three years as that department's acting chairman. He has been at TCOM since 1984.

J. Warren Anderson, Ed.D., executive assistant to the president and associate dean for educational planning and development, was appointed to a two-year term on the board of directors of the Chicago College of Osteopathic Medicine by the Chicago Osteopathic Health Systems Board.

Don Beeson, chief of campus police, was elected second vice president of the Texas/New Mexico College and University Police Officers Association.

Francis X. Blais, D.O., associate professor of medicine, was named assistant dean for graduate medical education.

Ann Blankenship, Ph.D., assistant professor in public health and preventive medicine, returned to TCOM after a one-year postdoctoral fellowship in preventive cardiology at the Department of Community Health and Preventive Medicine at Northwestern University Medical School in Chicago. Blankenship pursued an independent investigation in cardiovascular epidemiology, biostatistics, nutrition and preventive cardiology.

Sam W. Buchanan, D.O., Class of '75, associate professor of surgery, was named interim chairman of his department following the retirement of longtime chairman William R. Jenkins, D.O.

Steve P. Buchanan, D.O., Class of '82, assistant professor of obstetrics and gynecology, was named a Fellow of the American College of Osteopathic Obstetricians and Gynecologists.

Anne-Marie Brun, science technician II in anatomy and cell biology, was recognized by the Electron Microscopy Society of America as a certified technologist

in the biological sciences. Brun is one of eight individuals in Texas with this certification.

Bobby R. Carter, director of library services, served as a consultant/evaluator for the Commission on Higher Education, Middle States Association of Colleges and Schools, in an accreditation review for the University of Puerto Rico Medical Sciences Campus in San Juan in October. Carter assessed library and information services for accreditation.

Michael Clearfield, D.O., chairman and associate professor of medicine, and **Alex Guevara Jr., D.O.**, Class of '85, clinical instructor of general and family practice, were elected to the Fort Worth Division of the American Heart Association's board of directors.

Egeene Q. Daniels, D.V.M., director of animal care facilities and adjunct assistant professor of microbiology and immunology, was selected to appear in the 1991-1992 Second Edition of Who's Who in Veterinary Science and Medicine.

H. Fred Downey, Ph.D., professor of physiology, has been appointed special consultant to the Cardiovascular and Pulmonary Study Section of the National Institutes of Health.

Mike Ferguson Jr., vice president for fiscal and administrative affairs, was appointed to two committees of the Texas Higher Education Coordinating Board. The Space Planning Advisory Committee assists the coordinating board staff in developing a set of standards for the use of space at institutions of higher education. The Medical and Dental Unit Subcommittee works on use standards for medical and dental schools. Ferguson also was selected to appear in Who's Who in U.S. Executives.

Russell Fisher, D.O., associate professor of medicine, was elected president of the Fort Worth Division of the American Heart Association.

Gerald P. Flanagan, D.O., associate professor of general and family practice, retired Sept. 1. He had been with TCOM since 1980 and had been director of the Justin Family Practice Clinic for about 10 years. The Justin clinic closed Sept. 1 because of budgetary cutbacks at the college. Flanagan also was appointed to a three-year term on the Advisory Committee on Nursing Facility Affairs by the Board of Health of the Texas Department of Health.

John Gaugl, Ph.D., associate professor of physiology, was appointed to the 1991 State Textbook Subject Area Committee for Secondary Science, representing State Board of Education District 12.

Robert W. Gracy, Ph.D., chairman and professor of biochemistry and molecular biology, presented research seminars in October and November 1990 at the University of Konstanz, Johann Wolfgang Goethe University and George-August University in Germany and at the University of Limburg Maastricht in the Netherlands. In December, he made presentations at the European Molecular Biology Laboratory in Heidelberg, Germany, at the University of Nottingham in England and at the University of Würzburg in Germany.

John H. Harakal, D.O., professor of manipulative medicine, has been re-elected president of the Sutherland Cranial Teaching Foundation. He also served as co-editor of a new textbook, "Teachings in the Science of Osteopathy," written by W. G. Sutherland, D.O.

Ben G. Harris, Ph.D., associate dean of research and professor of biochemistry, has been elected research conference program chairman of the 1991 American Osteopathic Association Research Conference.

Elizabeth Harris, Ph.D., associate professor of microbiology and immunology, and **Mary Schunder, Ph.D.**, associate

professor of anatomy, celebrated 20 years of service at TCOM during 1990. Harris was not only the first faculty member hired at TCOM, but also the first head of the Curriculum Committee as well as the first head of the Admissions Committee. She served as chairwoman of the Department of Microbiology and Immunology from 1970 to 1983. She was a member of the American Board of Medical Microbiology, which certifies clinical laboratory directors, from 1978 to 1990, serving two terms. Schunder served as chairwoman of the Department of Anatomy from 1970 to 1972, and from 1975 to 1982. She served as associate dean for student affairs from 1987 to 1989, then returned to a full-time position as an associate professor. Schunder also serves as the anatomical advisory director to the Lions Organ and Eye Bank, District 2-E-2.

W. Rand Horsman, director of human resource services, was the Texas winner of the 1991 Road Runner Award, given annually to an outstanding human resource professional by the College and University Personnel Association.

Richard D. Inman joined the TCOM administration April 1 as assistant vice president for fiscal affairs. Before coming to TCOM, Inman was dean of financial services at Lee College in Baytown, Texas. From 1981 to 1988, he served as controller at Midwestern State University in Wichita Falls, Texas, from which he received his M.B.A. degree in 1981.

Constance I. Jenkins, D.O., associate professor of general and family practice, retired Sept. 1. Jenkins, who joined TCOM in 1978, directed the Central Clinic from 1980 to 1990.

Her husband, **William R. Jenkins, D.O.**, one of the pioneer faculty members of TCOM, also retired Sept. 1 after 21 years with the college. He was chairman of the Department of Surgery and associate dean for postgraduate clinical

medicine and graduate medical education. Jenkins served as a volunteer instructor of surgery from 1970 to 1976. He was part-time professor and acting chairman of surgery from 1976 to 1978, when his appointment became full time. Jenkins plans to stay active in the life of TCOM and the Texas Osteopathic Medical Association. He also was recently re-elected to the American Osteopathic Association Bureau of Insurance.

Carl E. Jones, Ph.D., associate dean for basic science and physiology chairman, was named a Cardiovascular Fellow and was recognized by the Cardiovascular Section of the American Physiological Society.

Robert L. Kaman, Ph.D., associate professor of physiology, was voted president-elect of the Association for Fitness in Business, an organization of more than 3,200 health promotion professionals.

Irvin M. Korr, Ph.D., who retired from TCOM Sept. 1, 1989, was named professor emeritus. Korr joined TCOM in 1978. He chaired the Task Force on Educational Goals, out of which the precedent-setting "Design of the Medical Curriculum in Relation to the Health Needs of the Nation" was produced. This official policy was adopted in 1980 by TCOM and the TCOM/UNT Board of Regents. Korr served as professor of medical education and professor of manipulative medicine. He is the author of four books and has had numerous articles published in scientific and osteopathic journals.

Richard Koss, D.O., Class of '82, assistant professor of manipulative medicine, and **David Teitelbaum, D.O.**, Class of '84, clinical associate professor of general and family practice, received certification in osteopathic manipulative medicine before the convocation of the American Academy of Osteopathy held in Colorado Springs, Colo., last March.

Harvey G. Micklin, D.O.,

chairman and associate professor of psychiatry and human behavior, was elected to the board of governors of the American College of Neuropsychiatrists. Micklin also was appointed as an examiner for the Certifying Board Examination in Psychiatry by the American Osteopathic Board of Neurology and Psychiatry. He is also the new chairman of the board of directors for the Medical Services Research and Development Plan, TCOM's medical practice plan.

John G. Mills, D.O., chairman of public health and preventive medicine, was promoted to the rank of lieutenant colonel in the Texas Army National Guard. Mills serves as the senior medical officer in the 949th Forward Support Battalion of the 49th Armored Division.

Frank J. Papa, D.O., associate professor of general and family practice and associate professor of medical education, received the Thomas Hale Ham Award for New Investigators by the Research in Medical Education program of the Association of American Medical Colleges. Papa is believed to be the first D.O. to receive the award.

David M. Richards, D.O., president of TCOM and co-chairman of the Fort Worth Sister Cities International medical committee, was invited to serve on the Fort Worth Sister Cities International Board of Directors. Richards also was reappointed to serve as a secretarial appointee on the Department of Veterans Affairs Special Medical Advisory Group through Dec. 31, 1993. Richards also was elected a member of the Chief Executives Round Table (CERT), an educational and professional development organization of about 50 senior administrators from Metroplex-based companies or organizations.

Scott Taylor, D.O., director of the Department of Public Health and Preventive Medicine's health and human fitness division, and **Stanley Weiss, D.O.**, vice chairman of

public health and preventive medicine, were board certified in preventive medicine/occupational-environmental medicine by the American Osteopathic Board of Preventive Medicine. Taylor also was re-elected to serve a two-year term on the Fort Worth Division of the American Heart Association's board of directors.

Tero J. Walker, D.O., assistant professor of surgery, was approved for his certificate of competence in sports medicine by the board of trustees of the American Osteopathic Association.

Frederick M. Wilkins, D.O., former chairman of the Department of Radiology, was named professor emeritus. Wilkins joined the TCOM faculty in 1979 and was named chairman in February 1984. Wilkins retired from TCOM Aug. 31, 1990, but continues to provide consultation in radiology and to contribute to the college's emerging relationship with the Indonesian Ministry of Health.

Thomas Yorio, Ph.D., professor of pharmacology, was elected to serve on the Program Planning Committee for the Association for Research in Vision and Ophthalmology from 1992 to 1994.

K. Ümit Yüksel, Ph.D., research assistant professor of biochemistry and molecular biology, was selected as the chairman of the Protein Sequencing Committee of the Association of Biomolecular Resource Facilities.

T. Eugene Zachary, D.O., associate professor of general and family practice, was re-elected for a ninth term as speaker of the American Osteopathic Association's House of Delegates, and Speaker of the Congress of Delegates of the American College of General Practitioners in Osteopathic Medicine and Surgery. He also was elected to his 16th consecutive term as Speaker of the House of Delegates of the Texas Osteopathic Medical Association at the 1991 TOMA Convention.

NEW FACULTY

Sharon Elaine Ballard, R.N., previously associated with a private practice in Weatherford, Texas, and on the faculty of the University of Texas at Arlington's School of Nursing, is now a research assistant professor of general and family practice. **Mary Ann Block, D.O.**, Class of '89, previously in private practice specializing in the chronic disorders of children, is now an assistant professor of manipulative medicine. **Samuel T. Coleridge, D.O.**, previously chief of Brooke Army Medical Center's Department of Emergency Medicine, is now chairman of general and family practice. He is a former consultant to the U.S. Surgeon General in emergency medicine. Coleridge has also been appointed chairman of the task force for the revision of Disaster Management Planning for Emergency Physicians course for the American College of Emergency Physicians. **John C. Conte, D.O.**, Class of '83, previously an occupational medicine resident at the University of Texas School of Public Health in Houston, is now an assistant professor of public health and preventive medicine. **C.**

Charles DeCastro, M.D., previously a surgical pathology Fellow at the University of Texas Southwestern Medical School's Department of Pathology, is now an assistant professor of pathology.

Louie Mark Fehl II, D.O., previously a resident at the Osteopathic Medical Center of Texas, is now an assistant professor of medicine. **Margaret A. Gariota, R.N.**, previously an employee health nurse practitioner at Arlington Memorial Hospital and on the faculty of the University of Texas at Arlington's School of Nursing, is now an assistant professor of general and family practice.

Chester Godell, D.O., previously in private practice in Bedford, Texas, is now an assistant professor of medicine. **Roberta Fern Kehr, R.N.**, previously a family nurse

practitioner at Parkland Memorial Hospital in Dallas, is now a research assistant professor of general and family practice. **Donald Kennedy, Ph.D.**, previously a consultant with Xicom Management in New York, is now a research professor of general and family practice. **Jonathan M. Knox, D.O.**, Class of '88, is now an assistant professor of manipulative medicine. **J. Roy Lowry, D.O.**, previously in private practice in otorhinolaryngology, is now an associate professor of surgery.

Robert R. Luedtke, Ph.D., previously a faculty member with the University of Pennsylvania, is now an assistant professor of pharmacology. **Carolyn Wilson Quist, D.O.**, Class of '86, previously a resident in obstetrics and gynecology at the Osteopathic Medical Center of Texas, is now an assistant professor of obstetrics and gynecology. **Keith A. Vasenius, D.O.**, previously chief internal medicine resident at Osteopathic Medical Center of Texas, is now an assistant professor of medicine.

Mary H. Ward, D.O., Class of '88, is now an assistant professor of general and family practice.

IN MEMORIAM

Thomas Hanstrom, executive director of the Texas Osteopathic Medical Association since 1987, died April 4, 1991. Hanstrom, a member of the TCOM Advisory Council, was active in the Texas Osteopathic Unity Forum, established in 1989 by TOMA, TCOM and the Osteopathic Medical Center of Texas to promote communication within the profession and address osteopathic issues and graduate medical education opportunities. During Hanstrom's tenure, TOMA established the annual Tex Roberts Memorial Award for Academic Excellence at TCOM. TOMA is accepting memorials for scholarship purposes in Hanstrom's name.

Elizabeth May Sharp, Class of '91, died Sept. 11, 1990.



"Life is Not a Dress Rehearsal"

For Benjamin Cohen, D.O., TCOM's new vice president for academic affairs and dean, life is a one-time performance encompassing a combination of different roles.

"An individual has a choice to live life fully," he says, choosing his words carefully. "I believe a person should pursue whatever interests them, and sometimes those interests include a change and an exploration of different parameters. I look at new experiences as new challenges."

From teaching pediatrics, to opening a new medical school, to managing private hospitals, Cohen has relished the new experiences in his many careers.

His philosophy of academic administration is analogous to his philosophy of medicine. "I look at the first few months of getting to know various departments and support staff as being a viable way to spend my time. It's like looking at the history of a patient and taking a complete physical exam before making a diagnosis. In that process of discovery, I can begin to make a list of issues, projects and potentials."

Identifying priorities and mapping TCOM's academic course demand a great deal of Cohen's time and energy. "The pace has

An Interview with TCOM'S New Dean

CONTINUED FROM PREVIOUS PAGE
been hectic," he says. "I've been probing and discovering all I can about the institution at large."

Virginia Barrett, Cohen's executive administrative assistant, confirms her boss's immersion in his newest challenge. "Sometimes when I arrive in the morning, the dictation tape is full of letters and memos he has drafted the night before. His wife tells me he stays up late at nights, working."

"The man is pure energy. His panoramic view of what can be accomplished is incredible. He generates a desire to get things done, and his enthusiasm is infectious."

—Greg McQueen,
assistant to the vice president for
academic affairs and dean

Cohen, 56, has been involved in medical education for more than 25 years and has been a prolific author and lecturer on pediatric medicine, health care trends and hospital administration.

A native of Brooklyn, N.Y., he attended Purdue University before earning his D.O. degree from the University of Health Sciences in Kansas City, Mo., in 1960. After an internship and pediatric residency at Grandview Hospital in Dayton, Ohio, Cohen joined the staff of Doctors Hospital in Columbus. While there, he was a clinical associate professor of pediatrics for Ohio State University College of Medicine, as well as a clinical faculty member for both Kirksville

(Mo.) College of Osteopathic Medicine and the Des Moines College of Osteopathic Medicine. He was named a Fellow of the American College of Osteopathic Pediatricians in 1974. In 1977, Cohen left the Midwest to be founding dean of the School of Osteopathic Medicine at the University of Medicine and Dentistry of New Jersey.

"Being the originating dean allowed me to really see what happens in medical school administration," he says. "The intricacies of the curriculum, developing a strong faculty and understanding student needs all were a challenge. My tenure at UMDNJ was extremely rewarding."

While at the university from 1977 to 1985, Cohen built the faculty, recruited a class of 56 students and led the school through a period of enormous growth.

In 1985, Cohen left academics to explore opportunities in private business. "The experiences I encountered enabled me to work with multiple institutions and see what made them tick. I had the opportunity to look at places of great repute and understand the problems and issues they faced, and how they went about tackling them," he says.

His most recent involvement outside academe was as chairman and chief executive officer of 21st Century Health Corp., where he was responsible for managing hospitals and other medical facilities in the United States and Europe.

Before joining 21st Century Health, Cohen was president and chief executive officer of Ameriwell International from July 1985 to June 1988. He initiated the development and financial negotiations of multiple medical facilities in the United States and throughout the world.

But too much traveling and the appeal of academic administration brought him back into medical education. "I probably logged 400,000 miles in the air," he says. "I felt that I was not only fatigued, but that I was cheating my family. Besides, medical education is my life's blood."

"Dr. Cohen has a clear vision for this medical school's future. I think he has brought a spirit and vitality that has galvanized our institution."

— Stephen L. Putthoff, D.O.,
chairman and
professor of pathology

Cohen perceives positive and negative aspects in today's medical education. The positive: "Science has evolved to a point that the technology used in health care is miraculous. Medicine is on the brink of understanding some of the key elements of life." He believes that TCOM's own research endeavors are "cutting-edge," particularly in aging and nutrition.

The negative: "We are graduating students into medical practice in very troubled times. Health care costs are an enormous problem. Thirty-seven million people in this country are without health insurance—that's a serious problem that medical professionals will have to help answer very soon."

"We need to arm our students with ways to solve these problems," he says. "But because medical schools are so busy trying to turn out doctors who can pass nationally licensed exams, this precludes some

experimentation with curriculum.” Only through a continued examination of the curriculum of osteopathic medical schools will D.O.s be able to prosper in the next century, Cohen believes.

“I think it is our task to give a well-rounded medical education where we stress the basics, and where we promote in the student the idea that they are a self-learner, and that they will be a self-learner for life,” he says.

Cohen believes that one specific advantage osteopathic medicine has is in the treatment of lower-back injuries. He believes that the \$4-5 billion spent every year by industry on work-related back injuries could be significantly reduced through application of osteopathic manipulative therapy.

“This is an area where we have a substantial product to put on the market. We need to do comprehensive studies on this issue, and one of the things I am going to do is try to find appropriate funding to do such a study. We have the capabilities.”

“His experience shows. He is attuned to the history and heritage of TCOM, and he sees the extraordinary potential our college has.”

— David M. Richards, D.O.,
TCOM president

Cohen’s decision to come to TCOM was influenced by the state

of the institution. He believes that TCOM is extremely stable and mature, and that the school is ready to move into a different stage of development. Expanded involvement in public health care

patients can be reduced; establishing more outpatient family medical clinics; providing more pediatric, prenatal, adolescent and geriatric care; and enhancing the role of our county hospital as a teaching

“We must stimulate and inspire our students, faculty, alumni and staff to promote TCOM to the others who don’t know about the good things happening here.”



facilities, more research funding from outside sources and increased philanthropic support from the community are key items on his list. He is confident that he can translate many of his experiences from private business and medical school administration to TCOM and help the institution grow.

“This is Fort Worth’s medical school, and it is an enormous asset to the community,” he says. “The city’s leaders are behind us. They look to us in particular for leadership in providing quality medical care to the members of the community who need it the most, the indigent and the underserved.”

“This community is calling for more attention to problems such as teen-age pregnancy, alcoholism, substance abuse and infant mortality,” Cohen says.

“In the Tarrant 2000 Report, community leaders called for studying ways in which costs associated with caring for AIDS

hospital. The report labeled health care for the medically indigent as the most urgent health care problem in Tarrant County.”

“These are the health care problems I’ve heard about over and over in my first few months here,” Cohen says. “I’m convinced that TCOM is a unique, but underutilized, resource for helping meet these overwhelming needs. Our clinics already log more than 100,000 patients visits each year, and that includes more than \$1 million worth of indigent care. I think TCOM is ready for more.”

After a nine-month search, Cohen was nominated by a 12-member search committee made up of students, faculty, community physicians and administrators from TCOM and the University of North Texas.

At its Nov. 30, 1990, meeting, TCOM’s governing body — the TCOM/UNT Board of Regents — approved his nomination. Cohen began work at TCOM Jan. 14, 1991.

*A view of Mexico
tourists rarely see*

Los Barrios

Members of TCOM's Christian Medical and Dental Society didn't spend their 1991 spring break lounging in the bright Mexican sunshine out by the pool. They didn't go to the markets of Juarez and bargain for the perfect souvenir. They didn't stay out nights

wandering into dark cantinas and listening to the mariachis. Instead, they went into *los barrios de la Ciudad Juarez*, the neighborhoods of Juarez, Mexico, and gave medical care to those who rarely receive it.

The 67-member team saw more than 800 patients during the four-day mission. TCOM students, four physicians (two D.O.s and two M.D.s), spouses, relatives and friends made the 12-hour trip to Mexico. The \$3,000 needed for transportation costs, food, medical equipment, drugs and other expenses was raised through bake sales and donations from hospitals, drug companies, doctors and other supporters.

Two temporary clinics, each having their own laboratory and pharmacy, were established in churches and buildings throughout Juarez. People came to the clinics seeking relief for conditions including upper respiratory infections, gynecological problems, severe degenerative joint disease and several parasitic infections not usually seen in the United States. Many of the children suffered from vitamin deficiency, malnutrition and diseases contracted from playing near open sewage drainage ditches.

These journal entries reveal three students' perceptions of the conditions in Juarez.

"I didn't know who she was or what she needed. I couldn't tell if she wanted to sell me one of the electric lamps that she was carrying around her neck or if she was looking for a friend of hers. I went on about my business checking in a few more patients. The next thing I knew, there was a pile of electric lamps in the corner by the door and she was sitting next to me. She said her head hurt really bad and her whole body was aching. She told me she had been selling lamps for more than 38 years and, lately, had been spending many extra hours in the streets, and it was taking its toll on her. We treated her with soft tissue therapy and gave her some analgesics to ease the aching."

— K. Paul Gerstenberg, Class of '93

"The condition in which the people lived was eye-opening. Most of the houses were pretty much in shambles. Sanitation was poor. Many of the kids were malnourished. On the side of an abandoned building in Juarez is a statement that summarized conditions here: 'In Mexico, there is no crisis, only misery.'"

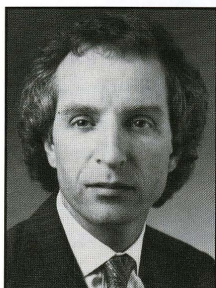
— Hans C. Bruntmyer, Class of '94

"A woman had heard about our clinic over a loud speaker on the station wagon that broadcasts information in her community. She came to us with pain in her knee, which she had experienced for some time. We diagnosed degenerative joint disease. We knew that we could relieve her pain for a while, but it would certainly return. Even though we could not cure her, we were able to bring her some comfort."

— Brent Wadle,
Class of '94



PRESIDENT'S MESSAGE



Edward A. Luke Jr., D.O., '81

Of Pride and Progress

In speaking with alumni from across the country and around the world, I recognize that we all do great things as representatives of our college. We perform heart transplants, deliver babies, run emergency rooms, provide rural health care, specialize in all areas from geriatrics to reconstructive plastic surgery and serve in residencies throughout the United States. We also publish books, lecture on infectious disease and provide pediatric critical care. We recently served our country well when 12 of our graduates answered the call for support in Operation Desert Storm. Twenty-seven of our alumni have served on TCOM's faculty, with 18 currently teaching future osteopathic physicians. We should be proud of ourselves... and of the school that helped us begin our careers.

The Need for Our Association

Our relationship with our college is a synergistic one. The Alumni Association works to help keep it that way.

You should have received an alumni questionnaire recently. If you haven't already done so, take a few minutes to help our college update its information on who we are, what we do and how we feel. Comment on the positive areas, as well as those you are concerned about. Your responses will be used to identify issues important to you, as well as to gain valuable information to be used in recruiting.

Alumni participation also

continues to be instrumental in helping inform legislators about our college and the need for increased funding. We have alumni in 27 of 31 Texas senatorial districts and 120 of 240 representative districts. We are in 72 counties of the 254 within Texas. We should stay informed about the issues that affect our college and our profession and take advantage of opportunities for Alumni Association initiatives.

Another important function of our Alumni Association is raising money. We may think that because TCOM is a state-supported college there is adequate funding. However, there are a number of things that state funds can't provide. Money for student scholarships and travel, Activity Center improvements and special promotional endeavors are a few of the needs.

Help our alma mater excel beyond the basics to the best when you're asked to give. Help identify other donors who can make a difference for our college. TCOM is a good investment.

The Student Connection

The Alumni Association also develops ties with current students, our future members. This past year class officers and Student Government Association leaders met with the Alumni Association and were emphatic about seeing alumni and interacting with them. Our association responded to their request and sponsored an activity with each of the four classes this past year.

We've welcomed the Classes of '94 and '95 at orientation-week receptions. We sponsored panel discussions for two classes and a seminar during the eighth semester to discuss how to select an office site and market a new practice. Following the seminar, we hosted a reception for the Class of '91 and local TCOM alumni.

During the coming year alumni will be invited to attend a social mixer and/or participate on a

discussion panel. So make sure your office staff forwards association mail and phone calls to you. We're involved in a lot of "firsts" that you shouldn't miss!

Money Talks

One of my goals as your association's president is to increase the number of dues-paying members. The number of active (paid) alumni is an indication of the strength and commitment of our organization. When TCOM looks to the Alumni Association for input and ideas, the number of paid members affects the impact of our response. Currently, only 7 percent of our graduates pay annual membership dues; life members represent 22 percent.

I believe it's critical that each one of you look at making a financial commitment to the Alumni Association by becoming a dues-paying member. In order to be more financially viable this year, we have raised our regular dues to \$50 a year. This represents a small amount for you, but it will go a long way toward strengthening the Alumni Association's voice, as well as paying for alumni activities at state and national meetings and supporting student activities.

I also encourage you to consider becoming a life member. It's a one-time \$500 fee. Only half of each lifetime membership is available to financially support the association's operations, so life members are asked to make annual donations to the association, too. The other half of each lifetime membership supports an endowment fund.

Agents of Change

Your involvement in the Alumni Association can help initiate change and promote TCOM's growth. Our voices — and our active participation in the development of our medical school — count!

As you know, Dr. Ben Cohen is our new dean and vice president for academic affairs. One of his first acts

was to meet with representatives of our Alumni Association. He values highly the many benefits of open and candid communication with TCOM's alumni, and he pledged to meet quarterly with the board.

Dean Cohen shared his observations, ideas and plans at our state and national alumni meetings, and he continues to keep our board informed and up-to-date on the directions of the college and how the alumni can help. At our AOA meeting in May, we elected Dean Cohen an honorary member of our association.

Both Dean Cohen and President Richards contact me regularly for feedback on college issues. They want to hear from you, too.

Spread the Word

Half of all TCOM students say they first became aware of the college through contact with a D.O. If we can be a positive reflection of TCOM, then all osteopathic physicians will grow as the reputation of our school grows.

Today, TCOM's reputation reaches beyond a hill overlooking Fort Worth to the county courthouse and to the Austin statehouse. Our alumni serve on local, state and national boards and organizations. Our school's facilities, federal grants, research, community activities, teaching and the achievements of its graduates are all things we should be proud of.

And pride makes anything possible.

**Behind every
successful
D.O. is
another
successful
D.O.**

**Help recruit today!
1-800-535-TCOM**

CLASS NOTES

'75 Sam W. Buchanan, D.O., serves on the board of directors of Osteopathic Medical Center of Texas.

Richard C. Hochberger, D.O., has been elected treasurer of the Fort Worth Pediatrics Society.

'76 Rita Baker, wife of Mark Baker, D.O., is the new president of the Auxiliary of the Texas Osteopathic Medical Association.

James Beard, D.O., reports that his daughter, Lois Beard Martin, received her D.O. degree from Ohio University College of Osteopathic Medicine this spring. His other daughter, Lisa Marie Beard, received her law degree from the University of Dayton in August.

J. Roy Lowry, D.O., was quoted in an article on cosmetic surgery in the March/April edition of AURA magazine.

'77 Carla Devenport, D.O., was the program chairman at the 34th Annual Convention and 18th Mid-year Clinical Seminar presented by Texas State Society of the American College of General Practitioners in Osteopathic Medicine and Surgery in cooperation with TCOM.

E. Carlisle Holland, D.O., was contacted by representatives from Good Samaritan Hospital, the largest family practice facility in Arizona, about incorporating osteopathic manipulative medicine into their physical medicine and rehabilitation medicine rotation. This is believed to be the first M.D. residency program to incorporate osteopathy as a requirement for allopathic family practice training.

John E. Miers, D.O., has been appointed a Fellow in the American College of Osteopathic Obstetricians and Gynecologists.

Harvey Richey, D.O., presented "COPD and Family Practice" at the 1991 TOMA Convention held in San Antonio in May.

'78 Marcia Pehr, D.O., has purchased a new home in Manhattan and invites her colleagues from the Class of '78 to come visit her in New York City. Her new address is: 330 E. 18th St., New York, NY 10003.

'79 Gregory Friess, D.O., presented a talk titled "Update on Leukemia" to the members of Texas ACP's 34th Annual Convention.

Paul M. Garmon Jr., D.O., is president of the Dallas Academy of Family Practice.

Jon Spain, D.O., has been appointed to the board of directors of the Association for Retarded Citizens of Greater Tarrant County. Spain is medical director for Diamond Hill Medical Center in Fort Worth.

Craig Whiting, D.O., is immediate past president of the Texas ACP.

Jay Wright, D.O., presented "Initial Approach of Angina" during TCOM's Fifth Annual Spring Update for The Family Practitioner in April.

'80 Dale H. Brancel, D.O., was named chairman of surgery at the Northeast Community Hospital in Bedford, Texas.

Dralves Edwards, D.O., was named Ex-Student of the Year at Kilgore Junior College during homecoming activities last October. He was also a featured speaker during KJC's East Texas Enrichment Series in February.

Gary Polk, D.O., and his wife, **Deanie,** announced the birth of their second child, Leah Danielle, on Oct. 4, 1990.