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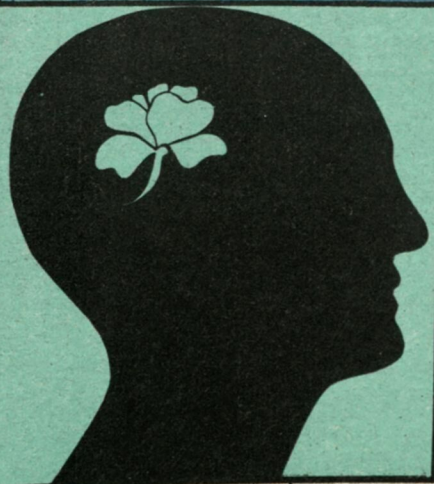
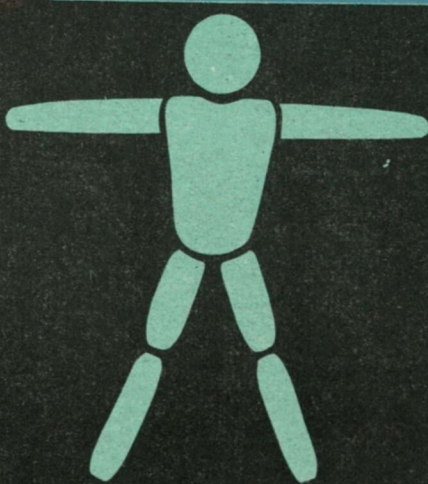
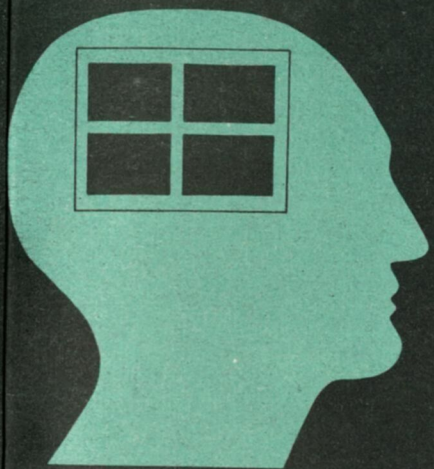
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PACIFIC REVIEW

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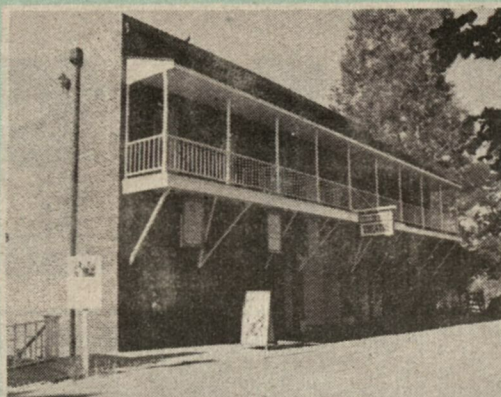
A Tradition of Healthcare Excellence!
...see extensive overview,
page 6

UOP TODAY

by Catherine



The Fallon Theatre of the 1880s



Fallon Theatre after restoration

Old-Time Theatre is Alive and Well in the Mother Lode!

The Drama Department's summer repertory company opened its 35th season in the Mother Lode town of Columbia in June. The company has performed in the historic Fallon House Theatre since 1949. A recently completed four-year renovation has restored Fallon House to its original 1880s appearance. Two musicals and three comedies will be performed during the eight-week season. A 20-member cast, directed by Darrell Persels, will present 51 performances. Alumni and friends are encouraged to enjoy the Fallon House productions before the season ends in mid-August.

Search Committees

Two committees have been named to conduct the selection of a replacement for President Stanley E. McCaffrey, who has announced his plans to retire in July, 1987.

The final selection of a candidate to be voted upon by the full Board will be made by a committee comprised of members of the University's Board of Regents. The search for candidates to be recommended to the Board committee will be conducted by a 15-member university-wide committee.

Robert M. Eberhardt, president of the Bank of Stockton and chairman of the Board of Regents, will serve as chairman of the Regents' committee. Gordon M. Schaber, dean of the University's McGeorge School of Law, has been named as chairman of the search committee.

The Source

The University of the Pacific School of Pharmacy is offering a new "Source" of information for California pharmacists.

The Source is a computerized information service which provides updates on drug information, news, weather, sports, stock market quotes, electronic mail, computers, airline schedules and fares, hotel and restaurant guides, on-line shipping and games.

More than 5,000 California pharmacists currently subscribe to the system, which is transmitted to personal computers via telephone lines. Drug information is supplied by UOP faculty and staff who use the computer facilities for information sources, professional journals and developments in drug use and technology.

Memorial Bench

The Community Involvement Program, which provides scholarships to local low-income residents, dedicated a bench to the University last May in memory of Rene Garcia, a CIP student who died in February, 1983. The bench is located outside Anderson Hall near the CIP office.

Endowed Scholarship Fund

Alumna Elinor Sizelove Canedy, Coronado, Ca., has donated \$5,000 to the University for the endowment of a scholarship in the honor of DeMarcus Brown. Canedy, a former student and long-time admirer of Brown, hopes that other alumni and friends will help make this fund a major scholarship endowment.

Canedy, class of 1944, married a Navy pilot right after graduation and the couple was stationed in Morocco. She was a programmer in government radio for more than five years, working closely with the king of Morocco.

Family Adventure

Twenty-nine alumni families have signed up for this year's Pacific Family Adventure at Feather River Preparatory School nestled in the scenic Mohawk Valley of the Plumas National Forest. This summer marks the first season for this family vacation camp, where participants can make use of a wide variety of activities including golf, hiking, ceramics, arts and crafts, cookouts and athletic events.



Bay to Breakers

Thirteen heads, 26 lavender-draped arms, and a running time of 76:30 are what thousands of Bay Area readers saw on the front page of the Sports section of the San Francisco Examiner last May. The School of Dentistry's now famous toothbrush "centipede" was just one of some 100,000 entrants in the Bay to Breakers 7.6-mile run.

The toothbrush centipede first appeared in the 1980 race and last year managed a strong fourth-place finish in the centipede division. This year a new and improved version of the toothbrush, with its bristles facing upward instead of down, made its debut.

HOMEcoming WEEKEND OCTOBER 23-25

by Kara

It's 1986 — The Year of the Tiger — and Homecoming Weekend welcomes all UOP alumni, parents and friends to cheer our Tigers on with roars and reminiscences!

The Alumni Office is coordinating a variety of activities to celebrate the event. Thursday evening's Bon Fire and Rally will see the crowning of the King and Queen. On Friday the Block P Banquet will honor this year's Amos Alonzo Stagg Award winners. The Jazz Band Concert is another highlight of Friday night's celebration.

The Homecoming Parade down Pacific Avenue will kick off Saturday's program at 9:45 a.m. Follow-

ing the parade, Max Bailey, president of the Alumni Association will confer the awards to the standing Alumni of the Year festive luncheon for all alumni friends in Raymond Great Hall.

The Tigers expect to defeat Jose State in their 2 p.m. game. After the game, alumni and friends gather to celebrate at the Hotel, with special reunions planned for the classes of '31, '71, '72, '76.

For more information on these and other homecoming activities, contact the Alumni Office, UOP, Stockton, Ca. 95211 or (209) 946-2391.

Kudos!

The Delta Delta Chapter of the national dental honor society inducted 16 UOP Dental School graduates and two faculty members at its annual convocation, June 9, in San Francisco.

Selected for membership were Christopher J. Carney, Janice C. Chow, R. Lindsey Dalley, David T. Earnest, Carla C. Fukumoto, Robin T. Levi, Carlene A. Mendieta, David L. Nielson, Brian W. Payne, Stephen A. Quist, Kuldeep Singh, Darrell K. Spillsbury, Mark A. Stepovich, David T. Thornton, Judee A. Tippet and Beverly A.M. Witham.

Faculty recognized for their "outstanding contribution to the art, science or the literature of dentistry" were Dr. Wilbur R. Hughes, Associate Professor of Periodontics, and Dr. David B. Nielsen, Associate Professor of Community Dentistry and Assistant to the Dean.

At the School of Dentistry annual Tau Kappa Omega Induction Banquet, held June 4 in San Francisco, 14 students from the class of 1986, 25 students from the class of 1987, three faculty members and a staff member were admitted to the honor society.

Active membership is based on scholarship and service, the purpose of the society being to promote growth and advancement of the school and to serve as an incentive for future accomplishments. Inductees from the Class of 1986 were Ed Bedrossian, Darwin Chan, Brad DelCore, Thomas H. Devlin, Bob Farman, Nancy L. Gum, Bald Hoo, Jesan Liu, Lester H. Ludinda J. Lyon, Ronald McCombs, Joseph A. Perri, K Singh and Matthew R. Valan.

The Class of 1987 initiates David L. Baker, G. Douglas B. David J. Berg, Rick A. Chelen, Frederick R. Cho, Rudolph Ciccarella, Daniel V. Cley, Kristian E. Hyer, Wendy S. J. Errol M. Kahn, Nestor D. J.



Heirloom Bench-ends Available to Alumni

Ornate and historical benches, originally crafted in 1924, have been removed from the Conservatory of Music auditorium due to remodeling now in progress. Nine of the chairs have recently been donated to the Vacaville Museum and the University is working closely with the Museum on several other display and exhibition projects. The chair-ends, which bear the early College of the Pacific seal, are suitable to be made into benches and are now available, compliments of the University, to alumni and friends who support the Annual Pacific Fund. For specific information concerning these attractive University heirlooms, contact the Development Department at (209) 946-2503.

Construction and Renovation BUILDING A BETTER UOP

by Doyle Minden

More than \$11 million in construction, renovation and remodeling, and installation of new equipment is currently underway on the Stockton campus. Another \$1.3 million project at the School of Dentistry in San Francisco was completed this spring.

The largest project to date involves the William Knox Holt Library and the remodeling of the existing main library buildings. Some \$6 million has been raised for this project, which will be formally dedicated on Oct. 10.

The new library will be occupied this summer. The task of moving some 350,000 volumes, as well as the entire staff, from the existing facilities into the new building will be completed by the start of the fall semester. Renovation of the older buildings will then begin, with the entire project to be completed by the fall of 1987. The cost for the new building is \$4.7 million and the entire project will total approximately \$6.5 million.

This project also includes moving the Holt Atherton Pacific Center from the School of Education building into its new headquarters in the Holt Library.

A second major project underway this summer is the renovation of the Conservatory of Music auditorium and offices. This \$1.3 million project includes new heating and air conditioning for the entire conservatory and complete renovation of the auditorium.

An attractive new entrance and lobby are part of the project. A gift from Alex G. Spanos has made this renovation possible and the auditorium will be named in honor of his wife, Faye Spanos.

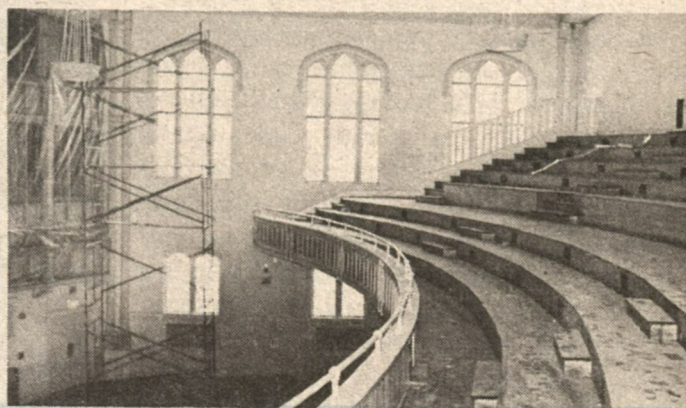
On April 10, the School of Dentistry opened its totally remodeled clinic, patient service area and entrance for clinic patients. This \$1.3 million remodeling project was undertaken as part of the School's "Patients Are Special" campaign begun in 1984.

When the School of Dentistry building was completed in 1967, patient access to clinical areas was by elevator only. Now a large and easily accessible entrance has been provided on the Sacramento Street side of the building. A new surgery suite, designed to train students in oral, periodontal and endodontic surgery, has been added, as well as a post-graduate studies clinic, an emergency clinic and a separate reception area for radiology patients.

Funding for this project was provided primarily by Safeguard Health Insurance Plans, Inc., the P&S Club of the School of Dentistry, the Dr. Byron J. Thayer Fund, the James Irvine Foundation and the Milton Shoong Foundation.

Four major foundations have provided funding for completion of new chemistry laboratories on the Stockton campus. Three organic chemistry labs and one analytical chemistry lab are being completed this summer on the second floor of the new Chemistry building on south campus. Funding for this \$750,000 project was provided by the William Randolph Hearst Foundation, the William G. Irwin Charity Foundation and the S. H. Cowell Foundation of San Francisco and the W. M. Keck Foundation of Los Angeles.

Some \$535,000 is being invested this summer in parking facilities on the Stockton campus. Existing lots are being resurfaced and a large, enclosed lot is being constructed along the Calaveras River north of the fraternities and sororities. This lot will provide additional security for students' and staff's vehicles and reduce the amount of traffic through parking areas. Existing lots near the School of Education building and the Long Theatre are being totally



An extensive renovation of the Conservatory will include new seating in the balcony and main auditorium.

rebuilt and resurfaced.

More than 260 additional parking spaces will be provided through this project. Funding is being provided through revenue bonds that will be retired over a period of years with increased parking fees.

A \$400,000 project for the new physical therapy program is being completed this summer in the School of Pharmacy complex. The second floor of the Rotunda is being remodeled to include a classroom, faculty offices and study space. Laboratories for the new program, which will open this fall with a maximum of 32 graduate students, are being developed in the main pharmacy building.

The Human Performance Laboratory, the latest and most significant addition to the University's sports medicine curriculum, will open in mid-August. Located in the Spanos Center annex, the \$180,000 lab will double as an athletic training-treatment center and fitness testing clinic for UOP athletes, students, staff and the general community.

The Pacific Athletic Foundation has provided some \$142,000 for another project that will improve lighting in Pacific Memorial Stadium. One aspect of this will make it possible to televise football games and other night events in the Stadium.

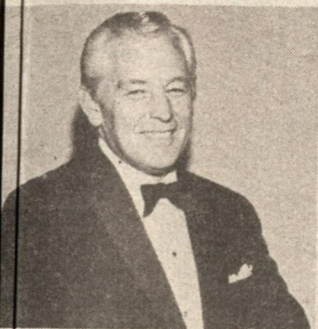
Some \$140,000 is being invested in a new laboratory for the Computer Science and Communications Departments in Hand Hall. In addition, two new computer systems are being installed this year — one for academic program use and another for all administrative functions.

A Digital Equipment Corporation VAX 785, which replaces a decade-old Burroughs 6700, has been installed for academic use. An IBM 4381-12 has been installed to handle administrative programs, replacing a Burroughs 7600 that was used since 1972. The conversion to the new system will take place over the next several months.

Another major improvement is the installation of a new telephone system. An AT&T System 85 has been installed to replace the 23-year-old Centrex system. Some 1,200 "voice communication terminals" have replaced the telephones from the old system. It is anticipated that savings of some \$2 million will be realized over the next 10 years from the installation of the \$1 million system.

Many of these projects have been made possible through the capital campaign "For A Greater Pacific." The totals raised and pledged through this campaign now exceed \$33 million. One remaining project to be funded and completed is the renovation of the first floor of Weber Hall to provide conference and classroom facilities for the School of Business and Public Administration. This project will proceed in the fall semester.

S. Krzywicki, Andrew D. Marshall, M. Lynn Merz, Jeffrey C. Murphy, Elizabeth J. Patrick, Gary Reichhold, Gregory E. Shinkwin, S. Skinner, Lauri R. Staretz, Michael J. Stepovich, Paul J. Terman, Heather N. Trehwhitt, Neal Vavra and Benjamin Y. M. Wu. Dr. Thomas A. McConnell, Dr. James R. Rutter and Margarita Peterson were inducted as faculty honorary members based on their service to the school community.



Arthur A. Dugoni, Dean of the School of Dentistry, was honored by colleagues at the California Dental Association's Spring Scientific Session held recently in Anaheim. The four-day session was dedicated to Dugoni in appreciation for continuing achievements on behalf of the dental profession. Dr. Harold Harada, president of the CDA, announced that Dugoni would be the candidate for the office of president of the American Dental Association for the 1988-89 term.

UOP alumna Mary Cunningham was recently named one of the nine Valley County Volunteers of the Year by the Valley County Board of Supervisors. Cunningham, who has served as president of the Friends of the Costa Mesa Libraries for the past two years, conducted fund-raising book sales skyrocketing from \$300 to \$1,200 last year. For the past 11 years she has worked as a librarian for the public school system and most recently as a librarian for Rossomoor School in Alamitos.

Kellee Noonan, a recent graduate of the School of Engineering, captured first place in the oral competition at the American Society of Mechanical Engineers (ASME) Region 9 Student Conference.

Students from universities in Northern California, Nevada and Hawaii competed at the conference, held in late April at UOP. Noonan's first-place presentation qualifies her to compete against the other region winners next December at the ASME Annual Winter Meeting in Anaheim.

Noonan, who is currently employed at an engineering firm in Pasadena, will begin work on her master's degree at Stanford in the fall.

PACIFIC PROFILE

by Catherine

JEAN BALDWIN

Dr. Jean Baldwin is a warm, friendly, sensitive woman who can also be tremendously physical. For over 20 years she has trained students in physical therapy and has recently joined UOP to coordinate its new physical therapy graduate program, which will welcome its first students this fall.

The physical therapy department will admit 32 students each year for a 21-month program. For applicants, an undergraduate concentration in the biological sciences is not necessarily an advantage, though they must of course meet the programs requirements.

"Students should major in something they are really interested in, for two reasons," suggests Dr. Baldwin. "One, we like to see students with a broad liberal arts background rather than 'tunnel vision' for the sciences. And two, enrollment into PT (physical therapy) programs is limited. Students may need something to fall back on if they can't get into a program or if they decide that physical therapy is not what they want to do."

"It's also very important that every applicant really knows what PT is about," continues Baldwin. "Sports medicine clinics are the glamorous side of it. Those patients are young and athletic and they walk in and out for their treatment. What applicants really need to see are the difficult cases such as head injuries, paralysis, strokes, burns and acute injuries — the not-so-glamorous heart of physical therapy."

Baldwin points out that physical therapy requires a lot of sensitivity, warmth and courage as well as physical strength, from both the patient and (especially) the therapist.

"Physical therapists have to think and work mentally with patients," say Baldwin. "It's very difficult to void your emotions from these suffering and disabled people. You just can't help but have feelings for them. But at the same time you have to keep up this barrier so your emotions don't overwhelm you, while also trying to be warm and open to the patient. So the physical therapist must follow a very fine line and it's just not easy."

Baldwin believes that it is this nurturing quality that has attracted a great number of women into the field.

"Physical therapy started as a woman's profession back in World War I," say Baldwin. "By World War II more men had gotten into the profession, but they were seen as being somewhat odd or feminine. Today, about 47 percent of practicing physical therapists are men."

Baldwin came to UOP from Pacific University in Oregon, where she developed a physical therapy program and taught for 10 years. She believes the importance of developing more physical therapy graduate programs is evident in the national shortage of physical therapists.

"There isn't any way that we can get enough therapists turned out to meet the demand," relates Baldwin. "There's a critical shortage across the country and California seems to be worse off than any other state."

"One reason for the demand," explains Baldwin, "is that people are being sent home from



Dr. Jean Baldwin, director of the Physical Therapy Graduate Program

hospitals too soon. Many need help at home in order to become functional again. Another factor is that a lot of women are in the field and many of them drop out either permanently or temporarily while having a family. There's also a great faculty shortage because many therapists prefer patient care to teaching."

Baldwin herself left patient care for teaching so she could spend more time with her daughter. She has remained a teacher because she loves the

profession.

"The support for this program has been gratifying," says Baldwin, "I would never have left Oregon if I hadn't seen that this was going to be well supported administratively and financially."

"The people that I've dealt with throughout the campus have been wonderful," concludes Baldwin, "and I'm really grateful because with cooperation, you really have to struggle to get a program going and maintain it."

THE PHYSICAL THERAPY GRADUATE PROGRAM

Physical therapy will be a new addition to the graduate school programs this fall. Designed to train students in physical therapy on a master's degree level, it will prepare them for the physical therapy licensing exam as well as the rigors of the profession.

Requirements for acceptance to the program include a bachelor's degree (not necessarily concentrating in the sciences) and classes in general biology and chemistry (full sequences), physics, human physiology, human anatomy, expository writing, computer literacy, community health (to include health agencies and infectious and non-infectious diseases), and six units of psychology (to include abnormal psychology).

One of the most important requirements, explains Dr. Jean Baldwin, director of the new program, is that applicants spend time in an acute-care, physical therapy environment to gain a real feel for the profession.

"We won't even consider accepting an applicant who has not seen the real world of physical therapy," says Baldwin. "We don't want to admit students who don't know what



The second floor of the School of Pharmacy Rotunda, shown here during its recent renovation, is the home of the new Physical Therapy Graduate Program.

they're getting into — who later decide it's something they hate. It's better to accept another student who may really know what acute physical therapy is and who will stick to the program."

The program itself is 21 months long — two academic years with one summer between. Course work includes skill-learning and theory classes as well as extensive, closely supervised internship programs in which students experience different physical therapy conditions.

COMMENTARY

Dr. Fuad M. Nahhas, professor of biological science, has been associated with the University of the Pacific for 26 years as a student and a faculty member. He received both his bachelor's degree (1958) and master's degree (1960) from UOP, before earning his Ph.D. from Purdue University in 1963. He joined the UOP faculty in 1964. Currently, he is chairman of the Pre-health Professions Committee, a member of the West Coast Group of Pre-health Advisors, and supervisor of microbiology at Dameron Hospital in Stockton.

In a recent interview with UOP Public Relations, Dr. Nahhas discussed current problems and conditions affecting the healthcare professions, as well as his views on pre-health education, curriculum and student preparation.

by Glenna Lee



5

Q. Reportedly, there is an ominous surplus developing in some healthcare fields — particularly among dentists and physicians. Does a real surplus exist, or are certain factors creating the appearance of a surplus?

A. There does seem to be a surplus of dentists and physicians. On the other hand, there are shortages in other fields, such as physical therapy, nursing, respiratory therapy and occupational therapy. When we talk about oversupply of people in the health professions, we have to be very careful to specify the areas in which a surplus exists. It's well-known, for example, that during the past few years six dental schools have closed. No medical schools have closed, as they have used a different approach to solve the surplus problem — they have decreased the number of students allowed to enter first-year medicine.

In medicine itself, the approach today is to balance the number of new physicians with the number of those who are retiring or dying — thus preventing an increase beyond our needs.

Initially, the number of medical schools and students increased due to a miscalculation by experts some 20 years ago. Our needs in terms of physicians for the latter part of the 1900s were overestimated.

But that is changing. If you compare the figures of today with those of seven or eight years ago, you will find a drop in the number of students applying (45,000 to 33,000) and entering first-year medical class (16,350 to about 13,000).

Two additional factors which have contributed to the idea of a surplus in medicine are the influx of foreign-born medical doctors into the country and the large number of American students who are studying abroad. American students who could not get into medical school in the United States have sought medical education in Europe and, more recently, in Mexico and the Caribbean region. Unfortunately, most of the schools — those in the Caribbean area, for example — are really profit organizations. This is evident in the high tuition fees they charge. Unfortunately, most of them supply relatively poor medical education.

Q. Is the number of foreign doctors practicing in the United States increasing and, if so, should some limits be set? What about the quality of physicians coming out of foreign medical schools?

A. We used to have about 5,000 new physicians who came to the United States each year from abroad. Some were foreign-born, but others were American students who studied abroad.

A decade ago, 16,000 students were admitted annually into American medical schools. Of these, some 15,000 graduated. Add the 5,000 foreign-trained physicians who were entering this country, and you had a total of about 20,000 graduates. In other words, one-fourth of the new physicians each year were foreign-trained!

Many of the foreign-born physicians are really excellent and many of them had their residency in the United States. So those who chose to remain in the U.S. were no less prepared than their American colleagues.

Q. This does not appear to be true of American students abroad. Is their training inferior?

A. Students trained in foreign schools, with the exception of British Universities, may know theory, but many cannot apply their knowledge — this is where their weaknesses show. In contrast, students in the U.S. get in contact with patients, in a limited way, as early as the second semester of their first year of medicine. Also, since most basic medical courses are delegated to the first year, second-year students are doing much more clinical medicine now than they did 20 years ago. The third and fourth years are entirely devoted to clinical aspects, so their exposure is much greater. Additionally, the medical facilities in America are excellent.

Q. It appears that at least some of our U.S.-born foreign-trained students, who are less qualified, are coming back to this country and are in direct competition with our American-trained physicians. Is there a solution?

A. It's now very difficult for a graduate from one of the Caribbean schools to do residency in the United States. There are fewer positions available to them. By 1990, it is predicted that the number of positions for residency training in the United States will be equal to the number of graduates from American medical schools. This means there will be no room for physicians trained outside the United States.

A second change is that the state board examinations have become far more stringent. They are not really more difficult, but are now designed to test the ability of the student to apply his/her theoretical knowledge in the field. The questions are more practical in nature. As a result, there is a decrease in the number of foreign-trained medical students passing the state boards.

Q. In light of these changes, do you think fewer students will seek training abroad?

A. The number of American students studying abroad has already decreased, partly because the number of applicants to American medical schools has decreased to approximately 2.5 applicants for each position. Thus, students have a better chance of getting into an American school.

It's important to note that many American students who seek education abroad are really fully qualified to enter American medical schools. One reason they cannot is the restricted number of places. In the 1970s, for example, there were three applicants for every opening in first-year medical class. This was nationwide. In California, the problem was even worse, at 7 to 10 applicants for every position.

Q. In terms of students trying to enter medical school, where does UOP fit in? What can UOP students expect?

A. We are now witnessing a change in the quality of students as a whole, and of students who are seeking medical education. I think the quality is slightly lower than what we had in the 1960s and 1970s. This affects the number of admissions from UOP to medical school.

Over the last 22 years, which is the period of my association with UOP, student acceptance to medical school from UOP has averaged 70 percent — that is, 70 percent of those qualified.

Some colleges in California, however, have selection committees. The students who want to apply to medical school appear in front of the selection committee, and the committee decides whether they should be considered. I do not believe this is right. I believe that we should give an evaluation of the students' qualifications, and allow the medical school to make the decision.

At UOP, we always discuss with the students what their chances are for acceptance to medical school but leave the final decision to them.

So when certain institutions say they have an 80 or 90 percent admission rate, that's only because they have already selected the students who are likely to get in.

Q. Why has the quality of students declined?

A. I think lack of interest and motivation on the part of our best students. The student of today is far more aware of the problems facing physicians. For example, malpractice insurance has risen dramatically, discouraging many physicians from practicing. Also, students wonder, 'Will there be socialized medicine?' The profession seems to have lost some of its glamour. Many students are discovering there are other alternatives and fields.

Q. If the student of today has a less romantic view of what being a physician is, does this mean we will solve our surplus by producing fewer doctors?

A. Let me emphasize that the problem of a surplus is really geographical in nature. My personal opinion is that it is present in certain cities, certain specialties and certain geographical areas of the country. We have a surplus of physicians in the big cities because that's where they prefer to live and practice! However, the same situation does not exist in the countryside. For example, there is still a tremendous need in such areas as Appalachia.

Q. Do you think that, if less students are attracted to the medical professions, there will be an ultimate shortage of physicians?

A. I think the loss of "glamour" is temporary. Also, the nature of medicine is changing. There was a time when people only went to a physician when they were sick. Now they go to a physician before they get sick — to have checkups. Preventive medicine is what we now practice in the United States, not just curative medicine. Also, the average life span in the United States is increasing, creating a larger elderly population, and thus more medical needs. We also have many more people covered by medical insurance than we did 50 years ago.

Q. What about the patients? Does preventative medicine tend to eliminate patients or are they coming in more often, but for different reasons?

A. In a sense, the changes in the practice of medicine are in the best interests of the patients because they are basically encouraging people to seek medical checkups.

Also, there is a greater longevity in the population. Over the lifetime of an individual there are a greater number of visits to a physician — in fact, we probably have more visits than in the past. In addition, private insurance helps pay for our medical care, thus bringing patients more often.

Q. The pre-health college student at UOP: What kind of future in the health professions can they look forward to? What advantage does UOP's curriculum offer?

A. When I look at UOP today and compare it with the UOP of 1956 to 1960, I see a big difference. UOP is becoming a first-rate university!

We at UOP, on the Stockton campus, should not be preparing a student just to enter medical or dental school. We don't give a degree in pre-medicine or pre-dentistry or to become a biologist. We tell the students that they have to be properly educated in the basic concepts of biology. Biology is a tool, not an end in itself — a tool to train students in scientific inquiry and a tool to develop an analytical mind. Another advantage to UOP's curriculum is the emphasis on a well-rounded general education. Our philosophy in preparing students for the pre-health professions does not favor pure science over a well-rounded liberal arts education. Similarly, some of the medical schools of today have a preference for a student who has majored in, for example, philosophy or music with minimum science, rather than pure chemistry or biology.

This is partly because today's physician must be not only a medical practitioner but a businessman, a philosopher, a counselor and so on.

I believe we are giving the students the basic tools they need. We are offering them a well-balanced, liberal education program.

Q. So the student that leaves UOP is prepared?

A. Quite well prepared!

There are more than 50 health professions for which we have the basic coursework. We may not offer a degree in medical technology or in nursing, to name two, but we have the coursework that the student needs to enter these fields.

Also, regarding a surplus, remember that the number of physicians in this country is one physician in every thousand — I think that's pretty good. If that number starts changing, maybe then we would have a problem.

UOP HEALTHCARE PROGRAMS

A TRADITION OF EXCELLENCE IN EDUCATION, RESEARCH AND COMMUNITY SERVICE

PSYCHOLOGY

by Doyle Minden

Mary, a sophomore, spends part of each week teaching the mentally disabled how to deal with such day-to-day problems as buying groceries.

Bill, a junior, is working with a professor on a research project, studying the ability of recovering alcoholics to regain thinking and memory skills.

Cathy, a graduate student, is conducting her own research to discover the most effective programs to help individuals give up smoking.

These three examples reflect a relatively broad range of health concerns that have become integral to programs offered by UOP's Psychology Department.

The central thrust of these programs, according to department chair Dr. Roseann Hannon, is to provide both graduate and undergraduate students the opportunity to put into practice the theories they are taught in the classroom.

The Department was a national leader in developing programs that emphasize using behavior therapy techniques to deal with psychological problems. At the same time, it has made a point of including undergraduates in research projects being conducted by faculty members.

"Our students have the opportunity to try out the techniques they learn in the classroom," says Hannon. "By the time they graduate and begin looking for jobs,

they can usually tell an employer that they already have worked with the kind of client the employer serves."

While the majority of the nearly 100 psychology majors are interested in some form of health-care profession, nearly one-third are seeking business-related careers. These students use behavior-analysis techniques and relate them to the business setting in such fields as personnel and employee training, according to Hannon.

Healthcare programs within the department are primarily related to developmentally disabled and mentally disabled persons. In these areas, the department has become closely linked with the community. Students gain practical experience through working with such agencies as the Children's Home, the Regional Adolescent Treatment Program and the Head Start Program.

One of the most extensive efforts is the "Community Re-entry Program," which is operated under a contract with the San Joaquin County and Valley Regional Mental Health Agency. As part of this program, a residence site is maintained where mentally disabled persons can learn the everyday skills of living outside of an institutional setting.

The Department also operates a Behavior Medicine Clinic. The clinic is staffed by faculty and graduate students who work under close faculty supervision. Patient admittance is by physician referral only. Hannon explained that the clinic is designed "to apply psychological techniques to physical health problems." These



Psychology students "have the opportunity to try out techniques they learn in the classroom."

difficulties may include such conditions as hypertension and heart disease.

Research is a vital part of the department's programs, adds Hannon. All members of the department are involved in their own research and all include students in their work. In most instances, a research paper is co-authored by a graduate or undergraduate student, she says.

The range of research reflects the diversity of the psychology faculty. Current research includes such areas as alcoholism, mental health for children from broken homes, exercise and diet as it relates to mental health, smoking and weight control, biofeedback techniques for the treatment of headaches and other stress-related ailments, as well as studies probing the effects of compliance with prescriptions for medication.

SCHOOL OF PHARMACY

by Harrell L.

In 1956, Dr. Ivan "Cy" Rowland resigned as dean of Idaho State's respected College of Pharmacy to become dean of University of the Pacific's new School of Pharmacy. It was a bold move, and Rowland, 46 at the time, wasn't so sure he had made a wise decision. Although UOP President Robert Burns had promised to supply everything necessary to make the program grow, Rowland was skeptical of the existing facilities and programs. His first day on the job didn't alleviate any of those fears.

"We started brand new Weber Hall, which we shared with biology, chemistry and home economics," Rowland recalls. "Our office had been freshly painted shiny light green and our three desks were arranged neatly in a place, each with a typewriter and a chair. There was a desk for myself, one for Emmons Roscoe, who was the entire faculty, and one for our part-time secretary. The whole department was in one room."

From this modest beginning of two full-time staff members and 20 students, the School of Pharmacy gradually increased enrollment and added programs. Within five years, it grew to nearly 250 students, pushing the School's facilities to the breaking point. Pharmacy offices, classrooms and laboratories were scattered throughout the campus. Finally, in 1965, plans were dra-

The University of the Pacific has a long tradition of service to the health professions.

In 1858, Dr. Elias Samuel Cooper obtained a charter from the University of the Pacific for the west coast's first medical school. Located in San Francisco, this facility later became the Stanford Medical School; currently, it houses the Pacific Medical Center and Presbyterian Hospital. In 1967, the University's School of Dentistry opened its new building adjacent to the site of the original UOP medical school.

The University of the Pacific has continued to serve the health professions through a variety of programs. In the following special feature, a cross section of some of our health programs is presented.

Not all programs are included. The Department of Communicative Disorders and its Speech, Hearing and Language Center, for example, have been reviewed in earlier issues of the "Pacific Review." Other programs, such as those offered through the School of Education and affiliated with teacher training, will be included in future stories.

Discussions also are underway for the development of new programs. A bachelor's degree program in nursing and a master's degree program in health administration, for example, are being considered.

The following articles highlight the healthcare-related teaching, research and community service programs which are an integral part of the University today.

for an all-inclusive School of Pharmacy complex.

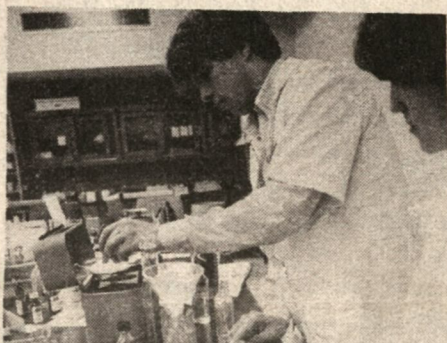
Completed in 1969, this \$4.4 million state-of-the-art facility, coupled with a series of curriculum innovations proffered by the University, catapulted UOP to the forefront of pharmacy education. The School's enrollment peaked in the late 1970s at just over 800 students.

Now entering its 30th year in the fall of 1986, the School of Pharmacy is faced with serious realities. As part of a national trend, UOP pharmacy enrollment has dropped gradually each year since the start of the decade. Once among the top five institutions nationwide in enrollment, UOP has slipped out of the top ten.

However, according to Dean of Pharmacy Dr. Donald Sorby, this downward turn bottomed out in 1985 and enrollment is in the process of reversing. "When I took this position in 1984 (after 10 years as pharmacy dean at the University of Missouri), I understood that enrollment was a serious problem," says Sorby. "But I realized California was growing, both in population and its economic base. I believed there should — and would — be a strong demand for our school's product. I saw the enrollment decline as short-term."

Dr. Sorby reports that preliminary admissions figures indicate that the 1986 fall entering class will be "20 to 30 percent higher" than last year's first-year group, a jump from 108 students to about 140.

According to Associate Dean of Pharmacy Dr. Robert Supernaw, the School will take a more



The clerkship-externship rotation program gives the students practical experience in a real pharmacy work environment.

disciplined approach to growth than it did in the 1970s. At that time, UOP received large federal "capitation" money grants as long as its pharmacy enrollment increased each year. The School's student population eventually reached an unmanageable point, prompting the pharmacy administrators to turn down further federal grant money. "The facility was built for 550 students and we had many more than that," says Dr. Supernaw. "Students were sitting in the aisles and our ability to provide an excellent education was becoming difficult."

Dr. Supernaw says the School's academic and admissions standards have withstood the enrollment crisis. "We made the commitment that we would not lower our (entrance) standards when the enrollment began dropping, and the University administration never suggested that we adjust the requirements to allow more students in — and we turned a lot away! We would now like to develop a pool from which we can draw the top 140 students."

Supernaw, a 1972 UOP School of Pharmacy graduate, also believes that the University's image as an innovator in phar-

macy education is experiencing a rebirth. He contends that an updating of UOP's novel offerings of the late 1960s (the three-semester accelerated school year and the comprehensive experiential learning program) is bringing recognition to the pharmacy school where it counts most — with students.

"Our best idea, which for the most part has not been duplicated, is the concept of a decentralized program," notes Supernaw, referring to the department's year-long combination clerkship-externship rotation program. This program avails the student practical experience in a real pharmacy work environment. An attractive aspect is the impressive list of program sites, which include Hawaii and San Diego.

"Many pharmacy schools are affiliated with big medical centers, which means their students are virtually required to receive their practical education there," explains Supernaw. "We have the distinct advantage of being able to send them to the best hospitals around."

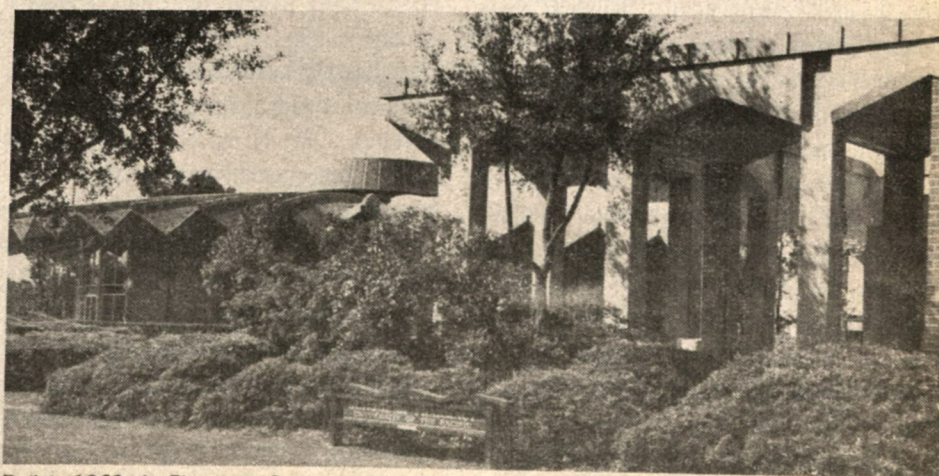
Supernaw says the program's

flexibility extends to the availability of curriculums. During the year-long program, the student takes six consecutive six-week "rotations" at various pharmacy sites. Four terms are required — Adult Internal Medicine, Institutional Pharmacy Practice, Community Pharmacy Practice and Ambulatory Care. The two remaining rotations are elective.

"It's in these two elective rotations where our school can definitely be innovative," says Supernaw. "We can always come up with the latest course idea. We don't have to wait months or years for a curriculum revision. If someone is interested in cancer, we can send them to Stanford Hospital. Or if they develop a special hospital wing for AIDS patients in San Francisco, we can send someone there immediately."

The other aspect separating UOP from most other pharmacy schools is its three-semester academic year. Developed in 1969 (partly to keep the pharmacy complex occupied year-round), the system reduces the traditional six-

continued page 8



Built in 1969, the Pharmacy School's 100,000-square-foot pharmacy complex is still considered one of the finest facilities in pharmacy education today.

CHANGING ROLE OF PHARMACISTS

by Harrell Lynn

During the last 15 years, the pharmacist's role in society has gradually returned to what it was in the early 1900s, according to Ralph Saroyan, director of Pharmacy Student Affairs. Saroyan isn't suggesting the field of pharmacy is headed backward; instead, he believes the health profession is experiencing a progressive renaissance.

"Forty to sixty years ago patients went to the pharmacist first," says Saroyan. "He would determine what was wrong and mix up a potion for them." Gradually, says Saroyan, the pharmacist's role lessened so that his sole function was to fill a physician's prescription order. "Recently, the pharmacist's role has redeveloped — they are a knowledge system again. They are still responsible for providing the right product, but now they're providing more knowledge and information to the patient."

Saroyan says this increased informational role has evolved partly from the advent and proliferation of non-prescription drugs, which have necessitated pharmacists to do more over-the-counter prescribing. "Pharmacists are the most accessible providers of health care," says Saroyan. "It doesn't cost any-

thing to ask for their recommendation."

Saroyan credits the education process with giving pharmacists the knowledge base and motivation to elevate their profession's role in society. "Education has caused this new role to evolve by better training the pharmacist to see 20 to 30 years down the road. They are not just satisfied with filling prescriptions — they want to do more."

The most important educational contribution, he says, is the internship programs which have allowed pharmacy students to gain practical experience while working alongside medical people. This has helped break down many of the barriers between the pharmacy and medical professions.

"It used to be against pharmacy ethics to discuss therapy with patients, because the medical profession wanted to do all the diagnosing," says Saroyan. "But the relationship between doctors and pharmacists has gotten much better, thanks mostly to experiential learning programs offered by colleges. Medical and pharmacy students are learning side-by-side before they have formed any built-in bias. They do not feel threatened that

their roles will be infringed upon."

According to Saroyan, this closer doctor-pharmacist cooperation has allowed the pharmacist to assume a more active role in the hospital therapeutic decision-making process. "Hospital pharmacists used to be stuck in the basement on a limited hourly basis. They had about the same function as the hospital's other support services, like linens and food services. They weren't integrated with the medical profession."

"Now, hospital pharmacists are stationed on specific floors with ready access to the patients, physicians and nurses. They are much more oriented to total management of patient care and drug therapy."

Saroyan feels that the pharmacist's increasingly patient-oriented role is attracting a generation of dedicated and enthusiastic professionals. "I'm really optimistic about the quality of people we're getting at this school. They're an exciting and motivated group who are not satisfied with mediocrity. They want something better for the profession and they're ready to work for it."

Pharmacy continued

year educational stay by one full academic year.

Dr. Rowland, now Dean Emeritus after his retirement in 1980, says the year-round system remains a hit with UOP students. "Going year-round is tough on students at first, but when they realize they are going to get out into the job market one year earlier, they like it. It's a great selling point for us because only a couple of other schools in the country offer it."

The Pharmacy School appears prepared to add to its past record of innovation. According to Dr. Supernaw, the University is making strides in many areas, most prominently in graduate research and community involvement.

"With the large classes we had, it was difficult for faculty to put much emphasis on research," he explains. "But lately, there seems to be a renaissance of interest in research, especially among our young faculty. And they're interested in getting top-notch graduate students to help them."

In addition, the Pharmacy School has been instrumental in

initiating a community-oriented Chronic Pain Treatment Center on the UOP campus. Under the direction of Dr. Supernaw, the Center is one of the few pain centers of its type in the western United States.

The School also runs a campus pharmacy and a computerized drug information service for pharmacists.

Their most attractive feature, according to Supernaw and Sorby, remains the 100,000-square-foot pharmacy complex. "It was clearly the premier pharmacy facility in the country when it was unveiled in 1969," says Supernaw. "And it's still among the finest complexes in pharmacy education today."

Sorby outlined the School's present and future educational priorities. "We're in the process of developing a comprehensive strategy to address the challenges facing us. First, we want to improve the quality of our programs and perfect systems to monitor their improvement. Second, we want to prepare our graduates to adapt to the phenomenal technological and economic changes occurring in the pharmacy profession."

CHRONIC PAIN CLINIC

by Harrell Lynn

The pain sometimes originates with a slip and fall at work or a clumsy slide during a weekend softball game. Or it may happen at home moving a sofa or tripping on a toy. It could happen anywhere, with a wrong step, an awkward bend or a sudden turn of the head.

Whatever the cause, when pain becomes constant, continual and chronic, it hurts everyone involved — the victims, their families and their employers. According to current labor statistics, an estimated 8 million Americans are being treated for varying degrees of chronic pain. Some 700 million work days are lost each year because of pain. This translates to an approximate \$80-\$90 billion annual national expenditure on lost wages, health care costs and litigation.

The University of the Pacific's

newly-opened Chronic Pain Treatment Center is designed to remedy this pain dilemma. Working to soothe the aches and pains afflicting valley residents, the Center is headquartered in the Cowell Health Center and operates under the direction of the School of Pharmacy. The program offers a last resort for pain patients who have exhausted all medical and psychological approaches to their condition.

Dr. Robert Supernaw, associate dean of the School of Pharmacy, is director of the Pain Center. His four-member administrative staff includes Warren Clift, program medical director; Ramona Mann, facility director; Thomas Werner, facility medical director, and Mario Starc, director of psychosocial services. The non-resident treatment staff is composed of selected private practitioners from the local area. Internship and graduate work involvement by Psychology and School of Pharmacy students is in the planning stages.

Dr. Supernaw says the program originated with a pilot project at a Stockton nursing home. "It wasn't a UOP-affiliated program, but an experiment to see if it was feasible for the University to become involved. Fifteen patients went through the program and we saw great possibilities and great limitations. From our successes and failures, we redesigned and upgraded the program and moved it to the University."

Dr. Supernaw believes that the resulting product offers a "state of the art" approach to treating chronic pain. "We are one of the very few pain centers in the western United States which combines inpatient service with a multidisciplinary treatment program," Supernaw notes. "A couple of clinics in the Bay Area and Washington are the only ones in this region which offer both these features."

The inpatient service involves a mandated 19-day stay under supervision of an attending physi-



The newly-opened Chronic Pain Treatment Center operates under the direction of the School of

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"Daily in-house monitoring allows us to totally control their environment and ensure that they are not affected by family problems, alcohol and drug abuse or other confounding variables," explains Supernaw. "We can be assured that external influences will not undo the therapy we apply during the day."

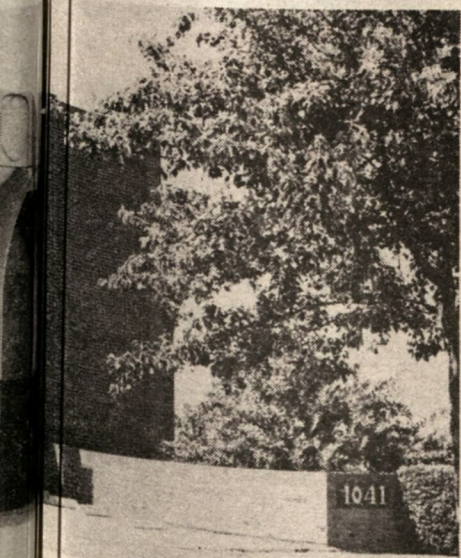
"A visit once a week to a physician doesn't evoke the significant effect that a comprehensive 19-day program provides," he adds.

Although family interaction is curtailed during the stay, Supernaw says that family members are not excluded from the treatment process. The spouse and other relatives are requested to take active involvement in all phases of the patient's stay: from the pre-entry counseling to the day-to-day treatment and follow-up care. "We are involving the spouse in as an active participant to help ensure that the patient doesn't return home to the same pattern that may have contributed to the problem."

The treatment approach, which emphasizes both medical and psychosocial methods, is much more comprehensive than traditional treatments of pain, according to Supernaw. Most important, he says, is the program's recognition of chronic pain as more than just a symptom of a lingering injury.

"Most patients start out with pain of some organic nature, from a bowling injury or a car accident," says Supernaw. "But when the pain persists long after the original injury has been satisfactorily treated by medical approaches, then it must be realized that the pain has taken on a condition of its own. It is no longer directly related to the injury."

Instead, he contends, patients begin to unconsciously use pain to control their environment.



located in the Cowell Health Center and

"They don't realize they are doing it, but they start using their pain to get a desired outcome. This might mean getting people to wait on them or it might mean they don't have to go back to a job they don't like. The more their pain is reinforced, either through thoughtful relatives or continual days off from work, the worse their pain becomes."

"Even if there is no organic reason for it, the pain is very real to them and they feel it. The problem is that it shouldn't be there and it's intensity could be diminished with proper treatment."

This treatment involves addressing the pain, not the original injury, according to Supernaw. The medical-psychological care regimen includes a multi-faceted approach through physical therapy, nursing, pharmaceutical, biofeedback, diet, social adjustment and vocational rehabilitation methods.

"The hard medical sciences — medicine, nursing, physical therapy and pharmacy — have treated chronic pain patients for many years," notes Supernaw. "They've done well with some and poorly with others. By bringing the psychosocial people in and creating a multidisciplinary team approach, we really treat the whole patient."

Supernaw says the program's goal is two-fold: to diminish the behaviors which accompany the pain and to help the patient return to work. "We are not going to totally eliminate pain, but we want to establish co-lateral coping mechanisms so that pain no longer has a disastrous affect on their lives. Our treatment successes are persons who, when they want to go back to work, can go back to work, and who can become more actively involved with their families."

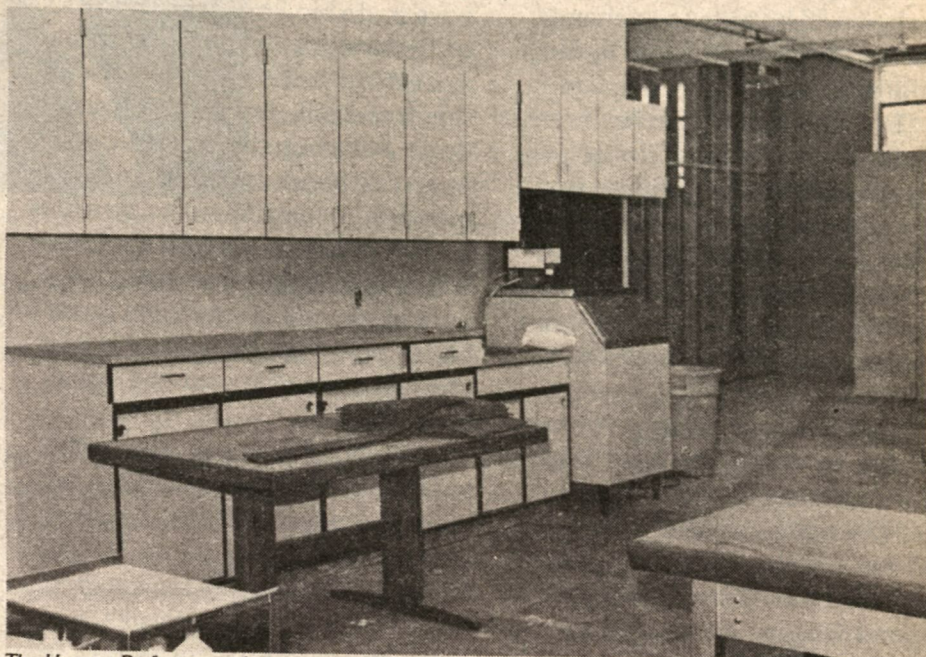
Not inexpensive, the program costs \$480 for an initial two-day screening and counseling and \$4,940 for the 19-day stay and follow-up care. Supernaw expects that most of the patients will be referred — and financed — by workers' compensation agencies and health insurance carriers. Patients are not eligible for the program unless a doctor refers them to the Center.

Because of space considerations in the Cowell Health Center, the program is currently limited to six patients per 19-day session. Supernaw hopes to eventually increase this patient number and also begin treating outpatients. "I would like to use some of the principles we've developed on an outpatient basis. Our current inpatient status curtails the number of patients who can participate in our program."

HUMAN PERFORMANCE LAB

by Harrell Lynn

In mid-August, University of the Pacific will unveil its new Human Performance Laboratory. The facility, located in the Spanos Center annex, will combine athletic training, injury treatment and rehabilitation with exercise and biomechanics evaluation programs. It is the latest — and most



The Human Performance Laboratory, shown here during its mid-summer construction stage, will open in August. Located in the Spanos Center annex, the lab's major function will be as a hands-on teaching site for sports medicine students. It will also offer athletic training and fitness testing to the UOP population and the surrounding community.

significant — addition to UOP's new and growing sports medicine curriculum.

For physical education professor Connor Sutton, the opening of the \$180,000 Human Performance Lab signifies the realization of a two-decade old dream — and the beginning of a challenging future.

When Sutton began teaching at UOP in 1963 (after receiving his master's degree here), he wanted to do more than teach physical education or coach sports, which were the traditional options at that time. He envisioned a physical education program that combined his two passions: biological science and athletics.

"I was interested in teaching physical education, but I didn't want to be stuck on the playing fields instructing for six periods," recalls Sutton. "I wanted to teach three periods of biology and three periods of P.E."

Over the next 15 years, Sutton watched physical education move in the direction he had long hoped. A new term, "sports medicine," came into use to describe an expanding area of athletics which involved training, testing and treatment. When universities across the country began incorporating this new health discipline

into their educational programs, Sutton and other UOP physical education staff members felt the time was right for curriculum expansion.

"We had wanted an expanded exercise physiology curriculum for a long time," notes Sutton, "but our student numbers simply weren't high enough."

Also, UOP's existing facilities were not large or modern enough to meet the demands of this broadening new sports area. According to Sutton, both a curriculum adjustment and an updated laboratory would be necessary

before a sports medicine major could be offered.

Sutton and his co-planners, who included Elkin "Ike" Issac, director of athletics and physical education, developed the sports medicine major first. The process, which began more than five years ago, wound slowly through various curriculum committees before it reached fruition in 1984. Planning and architectural groundwork for the laboratory began four years ago, and followed the same laborious route to completion.

Sutton credits Dr. Carl Miller, director of athletics and physical education since 1984, with accelerating the sports medicine program and laboratory during the past two years. According to Dr. Miller, finishing the sports medicine project was among his top priorities when he arrived at UOP.

"We're in an entirely new era of athletic conditioning and sport involvement," explains Miller. "In the last 15 years, the study of sport — from psychology to sociology to training and sports medicine — has come into its own with respect to education. So I was very interested in having the sports medicine program and then

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pushing for a physical therapy graduate program (which will accept its first students this fall.)"

Miller and Sutton believe that the pairing under one roof of the athletic training-treatment section with the exercise testing area is the program's most unique — and useful — feature. "Most university programs similar to ours have the treatment facility and exercise lab at opposite ends of the campus," says Sutton. "In our situation, having the two disciplines located next to each other will open up communication. The staff members will be able to exchange ideas and help each other in certain areas."

The facility will have three functions: In keeping with its original guidelines, it will be first and foremost a hands-on teaching site for sports medicine students. Second, it will serve as a training and treatment center for the University's intercollegiate athletes, students and staff. Third, it will offer treatment and testing to the community, including local high school athletes.

"The main use of the facility will be as a teaching lab," stresses physical education professor Margaret "Peggy" Ciccolella, who co-teaches the sports medicine

curriculum with Sutton. Prior to arriving at UOP last year, Ciccolella had helped develop sports medicine programs and laboratories at three universities. She feels that after all the essential equipment is acquired (sometime next year), UOP's program and facility will rival most others in the country.

"We have the equipment now that will let us get by in our lab," reports Ciccolella. "But we don't want our students to just be adequately prepared, we want them to be prepared as well as anyone in the country. Eventually, they may have to do bio-impedance analysis or hydrostatic weighing, or maximal stress testing interfaced with the treadmill, or gas analysis. I don't want our students to go into any of these environments unprepared. I want them to be able to say, 'Yes, we worked on that.' We need UOP to present the finest undergraduate preparation possible so our students go to the best graduate schools, not the mediocre ones."

Ciccolella says the UOP sports medicine curriculum already compares to the toughest undergraduate programs in the nation. "With our two-semester requirements in both physics and chemistry and four semesters in

biology, you can stack our undergraduate curriculum against any sports medicine program across the country. Ours isn't fancy, but it's rigorous. When our students leave, they will be well-prepared to go in numerous directions.

"I see our junior and senior sports medicine students working one-on-one with patients, gaining tremendous experience and providing an invaluable service to the University and the community."

The expanded facility and increased student involvement will dramatically affect the athletic training department, according to UOP head trainer Mike Wilborn. "This lab will expand our athletic training space three-fold, allowing us to treat many more athletes with less congestion," says Wilborn. "It will enable us to double our certified trainer staff from two to four, and it will provide a licensed physical therapist on staff."

When the lab is fully in line, its capabilities will include full fitness evaluation and stress testing. Related equipment will include an electrical bio-impedance machine to determine body fat composition; bicycle odometry and a treadmill for minimal and maximal cardiovascular stress testing; a gas analysis machine for

testing oxygen condition; blood work apparatus, and an electrocardiography machine.

In addition to treating, testing and setting up fitness and rehabilitation programs for the University's athletes, students and staff, the Human Performance Lab personnel will provide similar services to the community.

"We will be branching out more and more into the community as we go forward with our programs," explains Miller. "At the point, our students will have the capability of evaluating the average citizen who wants to get into a fitness program."

Sutton and the other principles involved in the UOP sports medicine program feel that the health discipline is not a passing fad, but part of a natural evolution. They believe that UOP's expanded program and state-of-the-art facility is an indication of sports medicine's bright future.

"Sports medicine is definitely not a dead-end major," says Sutton. "It has outstanding flexibility regarding career opportunities. More than 100 career disciplines are identified with sports medicine, including various medical positions, physical therapists, and health-oriented business consultants."

SCHOOL OF DENTISTRY

As the University of the Pacific School of Dentistry approaches its 90th anniversary, it continues to enjoy a reputation as one of the leading dental schools in the United States. At the same time, the School is grappling with the economic challenges that now face not only private education but the profession of dentistry as well.

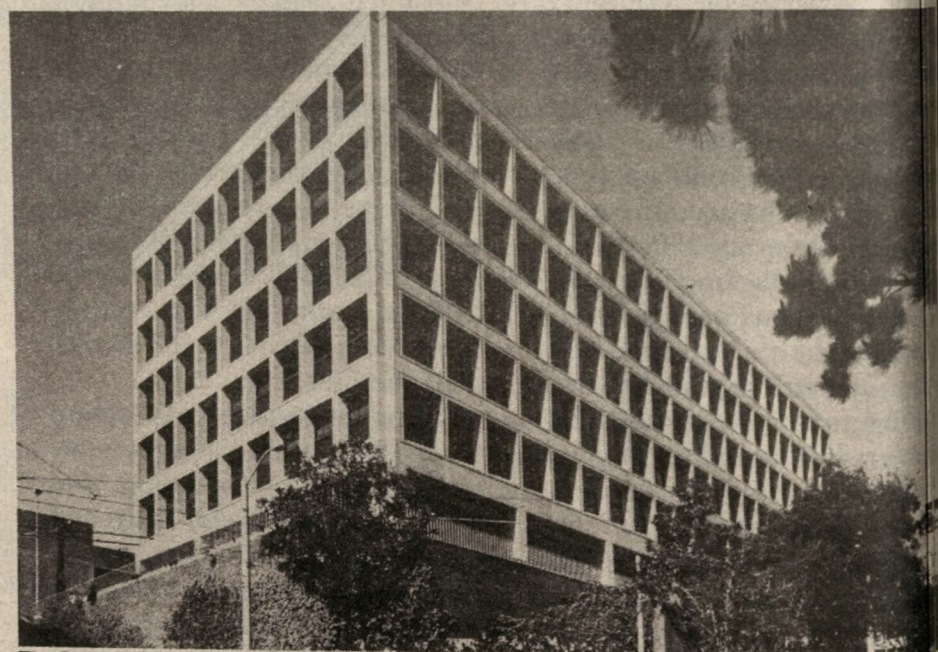
Called "one of the top dental schools in the nation" in its most recent accreditation report from the commission on dental accreditation, the School's June commencement launched 134 D.D.S. graduates into the "real world" of dentistry. This world is fraught with changing patterns in dental disease and the economic challenges of increased competition among dentists — in short, it is an environment in which a fledgling practitioner can no longer simply hang his or her shingle on the door and expect the business to take off.

Dramatic reductions in the rate of decay and tooth loss due to better preventive care and water fluoridation have been wide-

ly discussed in the profession and even the popular press. The proportion of older patients and those with disabilities requiring complex treatment planning and special dental facilities is increasing. These disease and population trends are compounded by an increasing number of dentists per population, the introduction of third-party insurance carriers and their reimbursement policies, and working parents who want evening and weekend appointments.

There's no question that dentistry is changing and that fact has soured many traditional practitioners and scared off many prospective applicants. In 1975 a pool of 15,734 applicants competed for 5,763 positions in dental schools nationally. The pool in 1985 was only 6,578 for 5,060 positions. "Prospective dental students are becoming aware of the widening disparity between the financial investment required to enter the profession of dentistry and the potential return on the investment," says Dr. John W. Hein, Director of the Forsyth Dental Center in Boston. "This awareness encourages them to seek admission to the state schools which charge low tuition."

This shrinking applicant pool, along with the loss of federal



The School of Dentistry in San Francisco has undergone a \$1.3 million remodeling of its clinic, making the facility more efficient and accessible for teaching and patient care.

support in 1980, has left the School of Dentistry facing the economic problems many private schools are facing in the 1980s. According to Dean Dr. Arthur A. Dugoni, the School "will not only survive but will continue to excel in the decades ahead." As it moves from its dependence on tuition (which, at over \$22,000 per year, cannot be increased significantly if the School is to remain competitive with public schools) and income from the clinic, the School will be cultivating endowments and more corporation,

foundation and alumni support.

At the recent annual nationwide gathering of the American Association of Dental Schools, Dugoni related that his optimism for the future of the School extends to the profession as a whole. "Yes, the field is rapidly changing. But if we, as a School and as a profession, are flexible enough and willing to adapt to the changes that will occur in the next few decades, I'm confident that the future is brighter than ever. The faculty and administration of the School have prepared for these

changes with innovative programs that will ultimately better serve our patients, our students and the profession."

And, in the style that has typified this dynamic leader and educator who serves his profession as Trustee to the American Dental Association, past president of the American Board of Orthodontists and Fellow of both the American and International Colleges of Dentists, Dugoni points out several facts that indicate dentistry will continue as a vital field: The dental profession is a \$27.5 billion industry that has been growing since 1980 at the rate of \$2 to \$2.5 billion per year. For the first time since the mid 1970s, the average net income of general dentists and specialists has exhibited a positive real rate of growth, after accounting for inflation.

Dental disease patterns are changing, but many services are expanding. It has been estimated that in the year 2000, even assuming a continued decline in caries prevalence, the hours of operative dentistry treatment needs for adults (age 35 to 44) will be 41 million hours, as compared to 21 million hours in 1974. This trend is largely due to the growing number of dentulous (having teeth) adults, which will continue to increase well into the next century.

There is increased demand for the treatment of periodontal disease, cosmetic dentistry, orthodontics, orthognathic surgery, facial pain treatment, veneering and bonding and dental implants. The need for dental care will continue to increase, but there will be a change in target populations, procedures, materials, techniques and the scope of services practitioners will offer.

In 1965, one percent of dental care was covered by private insurance. Compare this to one third of all dental services in 1983. Over the past 15 years there has been an explosion in dental insurance, from 6 million to 87 million covered individuals (a 1500 percent increase), and it is projected that over 105 million will be covered by 1990. The 140 million individuals without insurance represent a fertile field for innovation and a model for individual insurance coverage.

There are 126,000 practicing dentists. Seventy-four percent are in solo private practice, 17 percent are practicing with one other dentist and 9 percent are practicing with more than one other dentist. Only 5.5 percent of private practitioners are employed on a salaried, commission or percentage basis. The remainder own or share ownership in their practices.

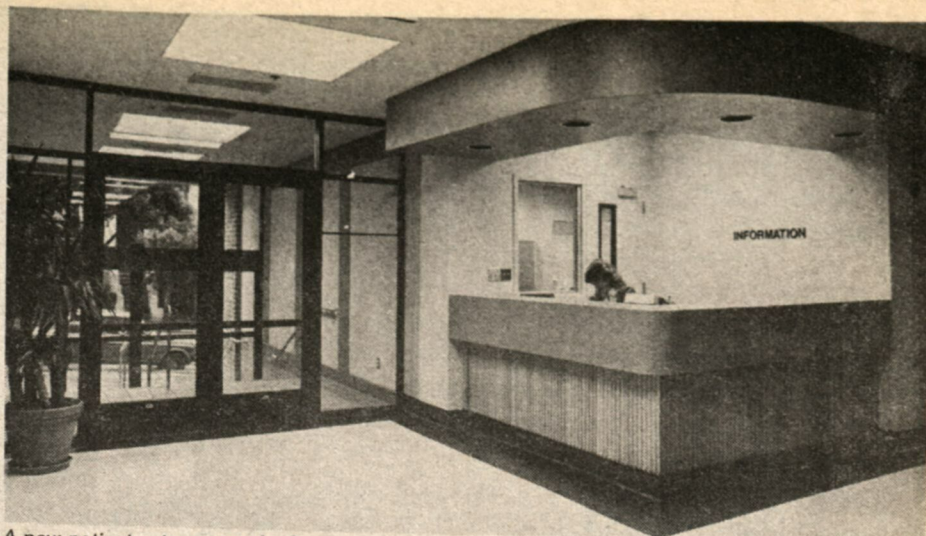
Dentistry is an excellent example of free enterprise at its best. A 1984 study placed dentistry sixth on the list of the 87 highest paying careers for the 1980s.

At the School of Dentistry, Dugoni has been successful in meeting many of the challenges that are shaping a different future for the profession by bringing together an effective group of administrators who have, in recent years, worked together to meet important goals, including:

- Establishing a clinical program that has become a model for schools throughout the country. The continuous learning program, which allows a student to complete four academic years in 36 months, utilizes a comprehensive patient care approach by which each dental student is assigned to a patient that he or she subsequently follows through to completion of the entire dental treatment plan. The student diagnoses, develops a treatment plan, consults with faculty members in each discipline and is then responsible for all phases of professional care and treatment, including accounts receivable. This approach most closely resembles a "real" general dental practice.

- Completing a \$1.3 million remodeling program to make the clinic more efficient, accessible and pleasant for teaching and patient care. The project provided a new patient entrance, new surgery suites, an eight-chair clinic for postgraduate studies, a separate reception area for radiology, a new patient services department and a new emergency clinic.

- Providing training for students and care for patients at extramural sites. Clinics in Sacramento and Union City are operated by the School and are staffed largely by students who, during their third year of school, work on patients in an environment similar to that



A new patient entrance on the Sacramento Street side of the Dental School Clinic is one of the facility's many improvements.

found in a private practice setting.

In addition, the School has pioneered three new community services to further answer the challenges of the profession:

- The Facial Microsurgical Center, which officially opened in the fall of 1983, is today under the direction of Dr. Michael E. Barkin, chairperson of the Department of Oral Surgery. The center is one of a handful of clinics nationwide specifically geared toward performing surgery on lingual, interior-alveolar and infra-orbital nerves (the latter lead to the mid-face and are often damaged in severe accidents).

- The Oral Medicine Clinic, formed as a service to the dental community, is under the direction of Dr. Peter Jacobsen, assistant professor in diagnostic sciences. This clinic has diagnosed more than 200 diseases of the oral cavity and functions as a diagnostic referral service for private practitioners.

- The Facial Pain Research Center, under the direction of Dr. William C. Donlon, assistant professor in Oral Surgery, is unique in its multidisciplinary approach. The center is staffed by general dentists, oral surgeons, oral pathologists, behavioral therapists and psychiatrists whose collective aim

is to treat the pain syndromes of the head and neck, which can be very complex and often require a concerted effort.

As proud as he is of these and other accomplishments at the School, Dugoni is also concerned about what lies ahead for the future of this and other health institutions. "Every indicator points to a turnaround in dentistry," he recently told a conference of deans. "But, it will still be a few years until dentistry is strong and vital, and in this transition, dental education will face a lean period. Survival for many private health institutions will mean not only offering innovative and attractive programs to students and patients, but also creating new financial resources to ensure their financial well being."

And with these words of advice, Dugoni outlined viable solutions:

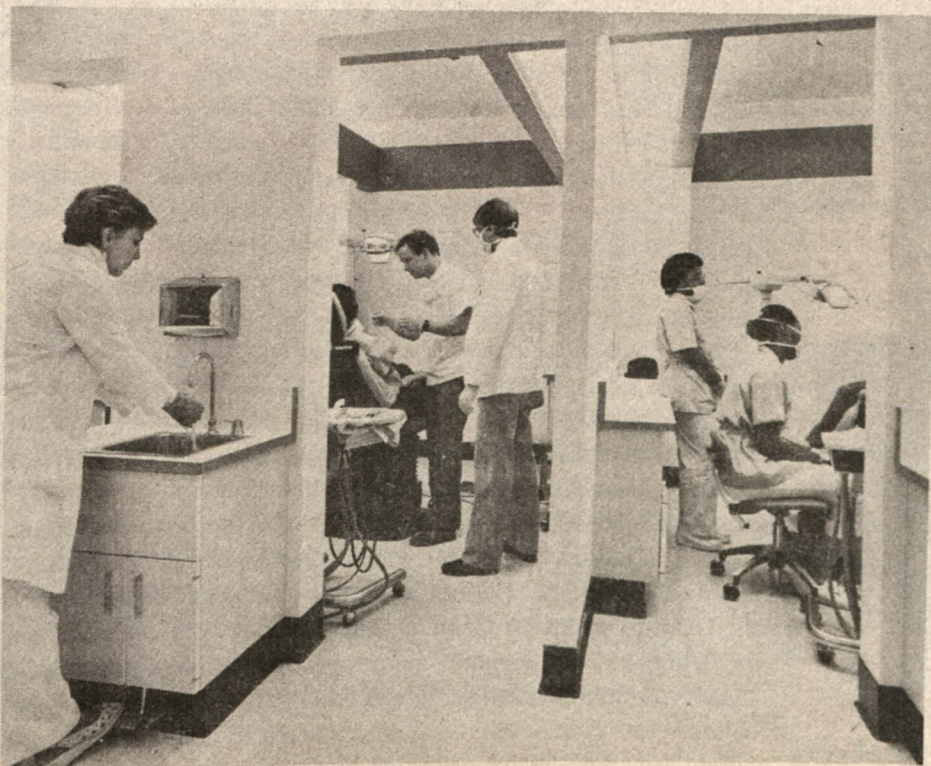
- It is essential that administrators create an environment where everyone is working on the same team, the one team, and liking it.
- Double the applicant pool for our institutions.

- Triple the amount available for student aid. Look toward alumni, corporations, foundations, friends and endowments.

- In these stressful budgetary times, either reduce overhead or increase productivity or both. The trick is to maintain quality performance and innovation.

"Let's forget about the anxiety and the 'doom and gloom' — the best is yet to come and we need to realize that we can adapt to meet the changes," summarizes Dugoni. "It is my opinion that our future is as bright as it ever was and that all we need to do is to develop a concentrated effort to adapt to the changes in our profession's environment so that we can successfully meet a different future."

And it is with this clearly defined optimism that Dugoni will continue to lead what his colleagues and the alumni so ardently feel is "the best dental school in the nation."



Students gain practical experience in the new eight-chair treatment area.

Football Preview 1986: YEAR OF THE TIGERS!

by Jeff Min

The Chinese calendar designates 1986 as the Year of the Tiger. One imagines University of the Pacific Head Football Coach Bob Cope sitting at his desk, asking himself "Can eight-hundred million Chinese be wrong?"

Cope's Orange Army football squad begins workouts Aug. 14 in preparation for the Sept. 6 season opener against Sacramento State in Pacific Memorial Stadium. This year the Tigers are going for the whole eggroll. Pacific has not fielded a winning team since 1977, but there are several observers inside the program and around the Pacific Coast Athletic Association who believe this UOP team can end that dubious streak, and possibly flirt with title contention.

Entering his fourth season as head coach, Cope feels his 1986 squad features more pure talent than any UOP team in years. If he can find answers to a few personnel questions and capitalize on the best schedule a UOP team has had in more than 35 years, Cope will appear as wise as Confucius and the Tigers will have a winner.

"I'm excited about our program because we are better in the most important area — player talent," says Cope, who returned to Pacific in 1983 to take the head job after spending four years as an assistant coach here in the mid-70s. "We have more players who are capable of competing and winning at this level than we've had at Pacific in a long, long time."

Cope cited other reasons for his optimism. He feels his coaching staff has melded into a cohesive unit. He is motivated by the leadership and backing of Athletic Director Carl Miller and President Stanley McCaffrey. And with a roster boasting 31 seniors, he has the strongest leadership base in his four seasons at UOP. The schedule is another positive aspect. The Tigers' 11-game slate includes seven dates at Pacific Memorial Stadium — the most home games for UOP since 1951. Pacific will not play two consecutive "away" games (in contrast to last season when UOP played seven of its 12 games on the road, including four straight during one stretch). Five of the team's seven Pacific Coast Athletic Association Conference games are at home.

Last, but not least, Cope talks about the improved mental and philosophical outlook of his players — an outlook he feels will be a determining factor in Pacific's fortunes this fall. "When a program struggles, as Pacific's has in recent years, the players tend to forget how to win," he explains. "In the past three

seasons, Pacific teams have undergone the gradual and painful process of learning how to win and what championship teams must do to win."

If his players have truly picked up on that lesson, Cope's Tigers can be contenders. Backed by an offense that was among the PCAA's best late in 1985 and a defense Cope believes has been significantly improved, the outlook is promising.

The Pacific offense, anchored by a veteran line-man corps, should be strong again in 1986. The run-oriented wishbone formation, installed last year by Cope, appears to have the Tigers' offense running in the right direction. UOP finished third in PCAA in scoring offense and averaged 36 points in each of its last three games. The team scored more points (292) than any UOP offense since 1952, and passed for its third highest number of touchdowns (15).

The offensive line, the key to a wishbone formation's success, is UOP's strongest unit, according to Cope. Three of the five interior line starters return, led by honorable mention All-PCAA center Steve Clower. A tackle for two seasons, Clower was moved to center just before the 1985 season opener when two-year starter and co-captain Robert Zolg suffered a season-ending knee injury. He responded by earning Pacific's Most Improved Player Award. Joining Clower and a healthy Zolg will be guard Chris Allen and tackle Bill Gorham, who are coming off brilliant '85 seasons.

The quarterback position also looks strong, with 1985 starter Hue Jackson returning for his senior season. An integral part of the wishbone option, Jackson was 32 yards shy of becoming the first quarterback since 1948 to lead UOP in rushing. The backups are reliable, with senior David Hardcastle and red-shirt freshman Rodney Powell returning in addition to newcomer Ron Beverly.

A successful wishbone offense also depends heavily on a plentiful supply of durable running backs. Eight running backs, six of whom were regulars, saw action in three or more games last fall. Leading the returners is 1984 All-PCAA halfback James Mackey, who needs only 59 yards to move onto UOP's top 10 career rushing list.

Mackey, a senior from Manteca, is joined by Stockton native Steve Michaels, who is the favorite to start at fullback after his impressive performance in spring camp. Other runners who could make an impact include senior Steve Souza, junior Anthony Simien, and newcomers Vernon Hadnot, Rand Chatman and Keith Parker.

The question marks on offense are at the tight end and wide receiver positions. Junior college transfer Alan Green came out of spring practice leading a four-way battle for the tight end spot, but the position remains up for grabs as fall camp begins.

Only two receivers with any game experience return this year — seniors Mike Phillips and Scott Morrison, who combined to catch only 12 passes for 174 yards last season. They are among a large contingent battling for the starting spots, including San Joaquin Delta College standout Booker Guyton.

But the thorn in the Tigers' paw last year was their porous defense. Cope believes this must change if UOP is to be a winner this season. Early in 1985, the Tigers fielded a tough, opportunistic defensive squad. For three weeks Pacific was ranked first in the nation in turnover margin, thanks to a reckless, hard-hitting attack philosophy instilled by Cope.



Defensive intensity will be the key to UOP's winning fortunes.

Down the stretch, however, the Tigers' defense lost momentum and had trouble stopping anyone, letting down an offense that was producing more than enough points to win games. Several factors contributed to the decline, including injuries to key players such as standout cornerback Tommy Purvis, who broke his neck at Nevada-Las Vegas and was lost the year, and two-time team Most Valuable Player Nick Holt at linebacker, who missed two games in a critical stage of the season.

"I think the biggest improvement we have to make is on defense," says Cope. "How good we are on defense, how much better than good we are, will determine what kind of year we have. I don't care how much the fans like offense, I don't care how much you talk about scoring points, you're not going to be a championship caliber team unless you play great defense."

Like the offense, Pacific's defense has the talent base to excel. The defensive backfield should be the most improved area on the team, and the defensive line is extremely talented and deep. However, a wave of spring camp injuries to the linebackers has left the position a question mark.

Players who figure heavily into the defensive mix include honorable mention All-PCAA linebacker Kelvin Harden and senior inside linebacker Plunkett. Harden was a standout last year, particularly against the run, while Plunkett is the latest in a line of stellar UOP inside linebackers.

Other names to watch on defense include linebackers Rich Sarris, Steve Sousa and Andy Franks; outside linebackers Andrew Thomas and Omar "Thrill" Holt, a transfer from Northwestern, and safety Dave Tuttle and cornerback Cedell Bush, both junior college transfers.

The kicking game is another area of concern. Although third-year placekicker Ken Norgaard gives the Tigers one of PCAA's top kickers, the team does not have a proven punter following the graduation of two-year starter Marshall Lampson. Cope also says improvement is needed in the kicking coverage return areas.

"I'm excited about the upcoming football season," says Cope. "We're going to be a good football team. We're going to be an exciting football team. I think our team is going into the season with more genuine confidence than we've ever had."

Cope believes that the winning principles he stressed over the past three years will yield a beautiful return this season. If his team earnestly applies these lessons, then 1986 will truly be "Ha Nien," Year of the Tiger.



Coach Bob Cope: "Our team is going into the season with more genuine confidence than we've ever had."

PACIFIC • PACIFIC • PACIFIC

Clubs

LOS ANGELES

The Greater Los Angeles Pacific Club, under the presidency of Steve Beck, with Esther Decker and David Bessin serving as co-chairpersons, put together a very successful winetasting tour of the Santa Ynez Valley. A charter bus of some 41 alumni and friends from Los Angeles and Orange County left on May 10 for a short trip into this colorful and interesting area of Southern California. Highlighted by a stop-over lunch in Solvang, the Danish capital of America, the group toured a variety of wineries and vineyards. Among them were Gainey, Ballard Canyon, Zaka and Houtz.

Wednesday evening, Aug. 6, will be the club's annual "Hollywood Bowl Night." The program, entitled "Explosive Connection," will star two well-known entertainers, Sammy Davis, Jr. and Buddy Rich. The performance will start at 8 p.m. and a dinner will be served at 6 p.m. A block of 150 tickets has been made available at \$22.50 per person (which includes dinner). Those interested are urged to contact Esther Decker, club events chairperson, (818) 584-0016.



SACRAMENTO

The Sacramento Valley Pacific Club is sponsoring an evening at the Fair Oaks Shakespeare Festival on Aug. 22. Wine and hors d'oeuvres will be served at the Fair Oaks Theatre Park at 7:30 p.m. The play, *Macbeth*, begins at 8:30. Tickets are \$10 per person, and an informational flyer will be mailed to alumni in July. Checks are to be received by Marylyn Patterson by Aug. 11. If you have any questions, contact Joanne Casarez, 372-0632.

FRESNO

The Fresno Pacific Club held a family BBQ on July 12, at the home of Walt and Betty Baun. A tailgate party is being planned for the Fresno State and UOP football game Oct. 18. For further information, call Joretta Burlington, 435-9517.

SOUTH BAY

The South Bay Pacific Club is planning a concert and dinner with the San Francisco Pacific Club featuring Victor Borge at the Paul Masson Mountain Winery on Aug. 16 at 8 p.m. They will begin the evening at Kitahama Restaurant in San Jose. For more information, call Kathy O'Keefe, (415) 854-8393. The next steering committee meeting will be on July 29, 7 p.m., at the home of Ralph and Mattie Jensen, 4065 Cranford Circle, San Jose, (408) 377-2376.



EAST BAY

The East Bay Pacific Club and Dr. Roger Barnett presented a flavorful selection of wines for tasting at Elliston Vineyards on May 18. The tasting was combined with a tour of the privately-owned winery and home, which is listed on the National Registry of Historic Places. More than 50 alumni, parents and friends attended this spring event.

UOP alumna Barbara Bybee opened her home to the East Bay Club for a potluck/barbeque on July 20. The well-attended event included a planning discussion on upcoming activities.

For Homecoming, Oct. 25, the East Bay Pacific Club is planning a tour of the new UOP facilities and a tailgate party. All alumni are invited to attend, and there is a choice of lunch arrangements. One can either attend the potluck/tailgate or the Awards Luncheon. The East Bay Club invites all other clubs to join in this celebration. For more information on these events or to get on our mailing list, please contact Cecelia Williams, (415) 687-0190 or Stan Lichtenstein, (415) 531-1948.

STANISLAUS

The Stanislaus Pacific Club sponsored a picnic supper at the "Concert in the Park" on June 26. They are also planning to attend a UOP home volleyball game as a group this fall. For more information, call Margie Lipsky, 522-6161.

MONTEREY

The Monterey Pacific Club is planning an informal beach party honoring new students and their families on Aug. 17. All alumni, parents and current students will be invited. For more information, call Wendy Banks, 642-0317.

HAWAII

The Hawaii Pacific Club Board of Directors will meet in August to plan fall activities. At this time, they will discuss a possible get-together when the President and Mrs. McCaffrey are in Hawaii in October. For those interested in assisting, please call Helen Brinkmann, (808) 942-2448.

Calendar

AUGUST

14

My Three Angels closing night at the Fallon House Theatre.

15

Fallon House closing of *How the Other Half Loves*.

16

Special benefit and final performance of *Harvey* for the Fallon House scholarship fund. Matinee is the *My Fair Lady* final show.

17

Last performance of *A Funny Thing Happened on the Way to the Forum* at the Fallon House Theatre.

19

UOP PARENTS: Last Freshman Orientation session.

23

UOP PARENTS: Transfer Orientation.

25

UOP PARENTS: Fall Registration.

26

UOP PARENTS: Classes begin.

SEPTEMBER

1

Labor Day Holiday.



6

Football home opener vs. Sacramento State.

7

Volleyball home opener vs. UC Santa Barbara.

17

Volleyball home game vs. Cal Poly.



19

Volleyball home game vs. University of Texas.

20

Pacific Family Day, Alumni Office, (209) 946-2391.
Football home game vs. New Mexico State.

Fallon House Theatre tickets:
(209) 532-4664, 1 — 5 p.m.
UOP Box Office: (209) 946-2474.

TIGER TRACKS



'30s

Wallace W. Hall, COP '32, retired recently from the California Library Services Board after serving eight years as an appointee of the Senate Rules Committee. He is currently serving as a member of the American Association of Retired Persons and the Andras Foundation Board of Trustees, Washington, D.C.

Erwin Farley, COP '39, is vice-mayor in Belvedere.

'40s

Mirian L. Spuller, Conservatory '42, is retired and lives in Redding.

Walter E. Urben, COP '47, is associate professor of music at University of North Alabama and also music coordinator-organist at Florence First United Methodist Church.

Rollin W. Dexter, COP '48, retired recently from the active ministry. He has held pastorates in Southern California for several years.

'50s

David H. Gilbert, COP '56, has been named director of the Cornell University Press. The Cornell University Press is ranked among the top 10 university publishers in the nation.

Mary "Middleton" Cunningham, COP '57, was recently named one of the nine County Volunteers of the Year by the Orange County Board of Supervisors.

Stephen R. Henry, COP '58, Fresno Superior Court Judge, has been named presiding judge of the court. He will administer the court's business and distribute its caseload among the 16 judges of the court. Judge Henry recently celebrated 22 years of marriage to Judie Collier Henry.

'60s

Dr. Louise Bachtold, Education '63, was selected as the 1986 Distinguished Alumna of the Year by the UOP School of Education.

Richard Nelson, SBPA '64, works for the Sacramento office of the commercial real estate unit of Coldwell Banker and was recently feted as the firm's No. 1 producer nationwide. Dick was also given the title of company associate vice president.

LaDean Dalke Talcott, COP '64, was recognized recently at the 31st Annual Golden Apple Awards Dinner as recipient of the John R. Williams Award for her outstanding individual contribution to education. She resides in Manteca.

William Drennen, Engineering '67, is Lindsay's new city manager. He is also working toward a master's degree in public administration at California State University, Fresno.

Gregory A. Finnegan, Raymond '67, is Humanities and Social Sciences Reference-Bibliographer at the Dartmouth College Library. He and his wife Robin live in Norwich, Vt.

'70s

Charles V. Daclan, COP '70, is a counselor at Franklin High School in Stockton. He, his wife Delight and their four children reside in Manteca.

Allan A. Cohen, Pharmacy '71, has recently been promoted to vice president of Clinical and Support Services at Queen of the Valley Hospital in West Covina.

Bill McDaniel, COP '71, an employment program manager with the California Employment Development Department in Stockton, has been elected president of the California Chapter of the International Association of Personnel in Employment Security.

Michael S. Policar, MD, COP '72, has been elected chairman of the Junior Fellow College Advisory Council of the American College of Obstetricians and Gynecologists. Dr. Policar has been an assistant professor of Obstetrics Gynecology and Reproductive Sciences at the UC San Francisco School of Medicine since 1983.

Janice Norberg Cinquegrano, Callison '73, and her husband, Pasquale, are both graphic designers living in Oakland.

Ralph E. Huston III, Conservatory '73, and **Velvali Teixeira Huston, Conservatory '76**, are living in Europe and are under singing contracts with the Hamburg State Opera.

Susan Foster, Education '74, is a biology teacher at Mt. Hood Community College and has been named the DAR National Conservation

Medal Award winner by the Oregon State Society Daughters of the American Revolution.

Frank W. Johnston, COP '74, is a Stockton police officer and was recently awarded the Meritorious Service Award.

Greg Robinson, COP '75, is an assistant football coach at UCLA. He lives in Granada Hills with his wife, **Laura Breaky Robinson, COP '75**, and their three children.

Bill Knutson, COP '76, sells and leases commercial real estate for Lee & Associates in Orange County. He lives in Irvine with his wife Patty and their two children.

Scott Clark, COP '77, is an attorney in Phoenix, Ariz. He lives in Phoenix with his wife **Laurie Lloyd Clark, COP '77**, and their two children.

Jeffrey C. Metzger, COP '77, is an attorney in Santa Ana specializing in personal injury law. He resides in Irvine with his wife Lisa.

Scott Puailoa, COP '77, is the head golf professional at the Valley Club of Montecito in Santa Barbara. He lives in Santa Barbara with his wife Darci and their two children.

Jeffrey L. Robinson, COP '77, is an attorney with the Orange County District Attorney's Office. He lives in Irvine.

Hilda Beck, Education '78, has been named by the San Jose Unified School District Board of Education as the deputy superintendent for administrative services.

David Branson, Conservatory '78, is coordinator of music in the Livermore School District. He performs with the new California Choral Company, which has been chosen to represent the United States at the Bela Bartok International Choral Competition this summer in Hungary.

Martin W. Jung, Pharmacy '78, is a certified public accountant and associated with James H. McHenry CPA in Visalia. He and his wife Theodora live in Reedley with their two children.

Ronald K. Mann, Conservatory '78, appeared in a Fresno benefit recently for the Haigazian Co. in Beirut. Mann is presently maintaining on the S.S. Independence Constitution as an assistant cruise director employed by American Hawaii Cruise Lines. His acting credentials include numerous roles in Burt Reynolds Dinner Theatre, Jupiter, Fla., and Bucks County Playhouse in Pennsylvania, a tour with New York children's theatre troupe and a role in "The Dragon," an off-Broadway musical produced by Sheldon Harnick.



Suzanne Smiley Stimson, COP '78, is an elementary school teacher. She lives in Mammoth Lakes with her husband Jim, a professional photographer.

Maile Mobberley Williams, COP '78, is in sales for D'Acco Inc., a leasing company, and her husband Randy is a real estate investment broker with Marcos and Milichuk. They live in San Francisco.

Lt. Walter V. Hayes, COP '78, is stationed with Antarctic Squadron Six Naval Air Station at Point Mugu. **Donald R. Sahly, Education '79**, recently accepted the position of President of Southern College of Seventh-Day Adventists, located in Chattanooga, Tenn.

Jerry Sakamoto, COP '79, has been promoted to senior district executive with the Boy Scouts in Lewiston, Idaho.

'80s

Nancy Engel Adams, COP '80, is a speech pathologist. She and her husband **Mark, McGeorge '77**, attorney, reside in Stockton.



At the end of a great day, Los Angeles Pacific Club members pose for the familiar "We had a fine time — wish you were here" shot.

James B. Armstrong, COP '80, is assistant director of the Rockford Memorial Development Foundation. He and his wife Christie Ann live in Byron, Ill.

Brent Leroy Gaston, Callison '80, is assistant director of Audio-Visual Services at the Monterey Institute of International Studies.

Christopher T. Hodgkins, COP '80, has been awarded a Whiting Fellowship for Ph.D. studies at the University of Chicago.

Dr. Paul M. Norris, Pharmacy '80, is assistant director of pharmacy at the Loma Linda University Medical Center Hospital. He and his wife Nancy reside in Grand Terrace.

Pamela M. Smurthwaite, Callison '80, is a special education teacher and behavior consultant in Napa.

Dr. Martin Vacca, Pharmacy '80, was named to the Bloss Memorial Hospital District Board of Trustees recently and resides in Atwater.

Michael C. Genthe, COP '81, is a partner of Lycon Capital Corporation, a real estate development firm. His wife Linda Carson Genthe, SBPA '83, is a cash management analyst for Home Savings. They live in Glendale.

Ingrid Irelan, COP '81, was recently promoted to research and development technician at California Cooler Company in Stockton. She resides in Lodi.

Stan B. Reents, Pharmacy '81, is employed as a clinical pharmacist with Ingaus Memorial Hospital in Deaton, Ill.

Steven J. Wardlow, COP '81, of Knights Landing, was commissioned as a Navy Ensign upon completing Aviation Officer Candidate School.

Betty Ann Pacheco, Education '82, was named recently as superintendent of the Fremont Union High School District in the Sunnyvale area.

Michael Realon, COP '82, was promoted to director of meetings by the National Association of Hosiery Manufacturers. The NAHM is the only national association representing the entire hosiery industry.

Heidi Thielmann Stilwell, SBPA '82, is manager of Kitchen Design and Remodeling. She lives in Santa Barbara with husband James, a self-employed general building contractor and developer.

Helene Williams, COP '82, is working on her M.A. in English at Purdue University and teaches freshman composition at Purdue. She resides in Lafayette, Ind.

Colleen Akin Bliss, COP '83, is employed by Lorimar Telepictures and will attend graduate school at UCLA in the fall. Her husband Jeff is employed at William Mercer-Meindinger as a communications specialist. The couple resides in Westwood.

Kevin Coombs, SBPA '84, is an apprentice golf professional at Poppy Hills Country Club. He resides in Pebble Beach.

PACIFIC FAMILY DAY

Saturday, September 20, 1986
9:00 a.m. Registration, Burns Tower

Children's Activities (ages 6-12)

Musical Instruments for Elementary School Children
Dramatic Arts for Children

Teenagers' Events

How to Choose a College: How Does it Feel to be a College Student?
Rock Music, Hearing and Teenagers
Growing Up in a Nuclear Age

Seminars for Parents and Alumni

Handling Medical Emergencies-2020
A Humanist Looks at Business Education
Making the Tongue-tied American Competitive: Strategies that Work
Optics: Lasers and Holography
California Geology
Alfred Hitchcock and the Art of Film
Facing the Challenge: Educating the Physical Therapists for the 21st Century

Special Program for Dentists

UOP School of Dentistry, Division of Post Graduate Studies, "Materials Update," Professor Armand Lugassy, Department of Fixed Prosthodontics. For more information contact Division of Post Graduate Studies, 2155 Webster Street, San Francisco, CA 94115, (415) 929-6486.

Luncheon

Barbecue Lunch and Band Concert, Knoles Lawn (UOP students may use meal tickets to eat with their parents)

Afternoon Program

Tour of the Campus
The Lies They're Telling About Business Schools
The Little Big Horn Through Drawings, Paintings and Photographs
What is Happening in Teaching
Economic Changes in Rural China: A Case Study of Lecture and Slides
From Trash to Cash
Children's Film
Space-Age Amateur Radio
Computer-aided Engineering and Graphics Demonstration
Engineering Materials Testing Demonstration
Football Game: UOP vs. New Mexico State. Tickets can be obtained from the Athletic Ticket Office, UOP, Stockton, CA 95211, (209) 946-2474.

PACIFIC FAMILY DAY COUPON

Tickets will be ready for you at the registration desk in the Burns Tower Lobby. Make checks payable to the UOP Alumni Association. Return this coupon with your payment to the Alumni Office, UOP, Stockton, CA 95211, by September 12, 1986.

Name(s) Adults: _____ Class Year if alum(s) _____
Teenagers: _____ Children (6-12): _____
Address _____ City _____ State _____ Zip _____
UOP Student's Name (if parents) _____ School _____ Class Year _____

Please check the seminars you plan to attend.

<input type="checkbox"/> Instruments	<input type="checkbox"/> Emergencies	<input type="checkbox"/> Art of Film	<input type="checkbox"/> Teaching
<input type="checkbox"/> Dramatic Arts	<input type="checkbox"/> Humanist	<input type="checkbox"/> Physical Therapy	<input type="checkbox"/> China
<input type="checkbox"/> Choosing College	<input type="checkbox"/> Tongue-Tied	<input type="checkbox"/> Dentistry	<input type="checkbox"/> Trash to Cash
<input type="checkbox"/> Rock Music	<input type="checkbox"/> Optics	<input type="checkbox"/> Business Lies	<input type="checkbox"/> Radio
<input type="checkbox"/> Growing Up	<input type="checkbox"/> Geology	<input type="checkbox"/> Little Big Horn	<input type="checkbox"/> Eng. & Graphics
			<input type="checkbox"/> Mat. Testing

Tickets, including lunch, are \$9 for adults, \$5.50 for teens and children.
_____ Adults @ \$9 = _____ Children @ \$5.50 = _____

Number of UOP students with meal tickets _____
TOTAL AMOUNT ENCLOSED _____

Michael Philip Mahler, COP '84, was recently awarded a master's degree in communication from CBN University in Virginia Beach, Va.

John Grundy, SBPA '85, is now serving an internship at Nixdorf Computer Company in Paderborn, West Germany.

Jeffery Scott Reagor, SBPA '85, is Man Power and Training Coordinator for the Alpine, Mother Lode, San Joaquin Emergency Medical Services Agency. His wife Kristen K. Reagor, COP '85, is a lab technician for Delta Laboratory. They reside in Modesto.

IN MEMORIAM

Gilbert A. Collyer, '30
Helen Banks Pedroia, '34
Earle Hans Dahl, '40
Veryl Galt Hamilton, '41
Joseph G. "Gill" Hanson '42
Edward Zuchelli '51
Judith Thomas Vigor, '73

BIRTHS

To Charles V. Daclan, COP '70, and his wife Delight, a son, Joseph Charles.

To Linda L. Weber, COP '76, and her husband Charles Tatum, a daughter, Jenna Lee Tatum.

To Melinda Short Wiseman, COP '78, and her husband Randall, a daughter, Jennelle Kathleen.

MARRIAGES

Kathryn Loomis Clapperton, COP '70, and Richard J. Crepeau.

Wayne E. Bennington, COP '71, and Sheila Desmond.

John L. Hunnell, Pharmacy '73, and Anna M. Huante, Pharmacy '83.

Judy Ann LaFleur, Education '73, and Horace Milton Leake.

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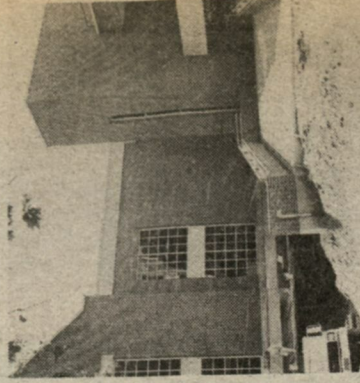
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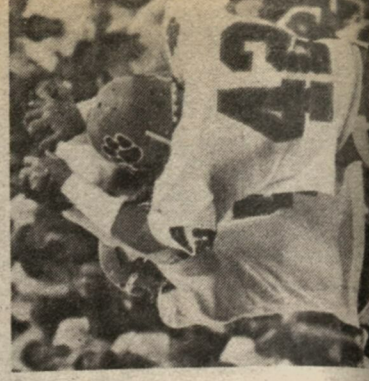
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