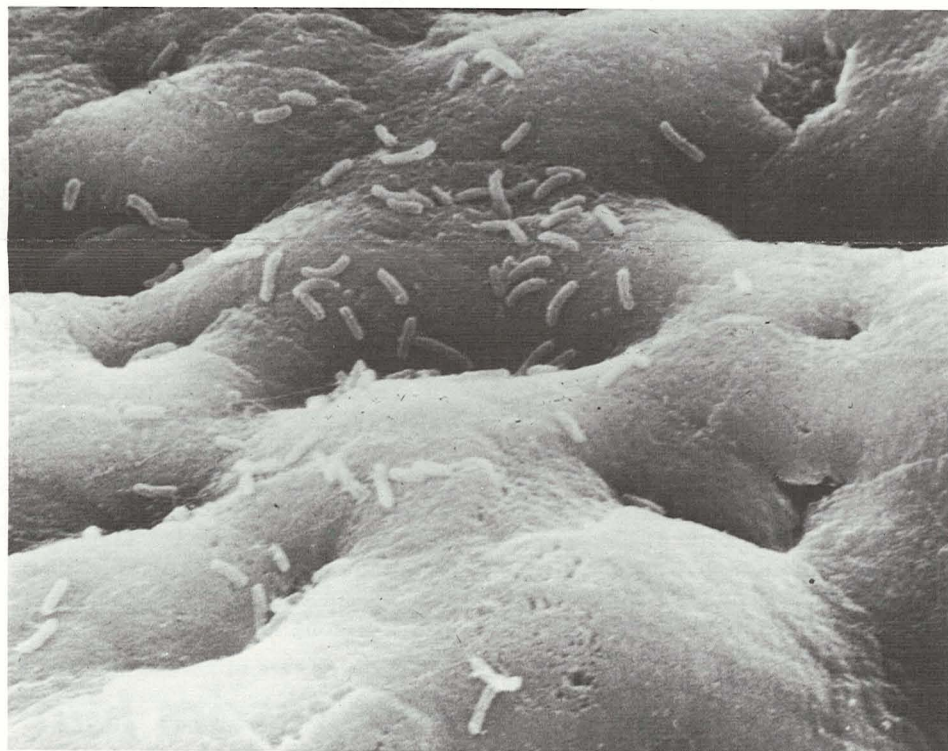


Newsletter

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

AUGUST 1976



Scanning electron micrograph taken by Dr. Edward T. Nelson, NIH postdoctoral fellow, is of cholera vibrios adhering to the small bowel of a rabbit.

Scientists share award for cholera research

A Southwestern scientist will share one of Germany's highest medical awards for his work with cholera, an ancient scourge he feels may soon be defeated.

Dr. Richard A. Finkelstein, professor of microbiology, has been notified that he and Dr. Mark H. Richmond, professor of bacteriology at the University of Bristol, have been chosen to share the Robert Koch Prize of approximately \$24,000.

The awards, which include the Robert Koch medal for each recipient, "are the highest honors that German science and medicine can submit to scientists in the biomedical field who, in addition, have done something for public health," according to the letter of notification. Award ceremonies will be held December 7 in Bonn with presentations by the German Ministry of Health. Dr. Richmond is being recognized for his work on antibiotic resistance.

Cholera, an acute infectious disease marked by severe vomiting and diarrhea, has been responsible for the deaths of countless persons through seven great worldwide epidemics.

Dr. Finkelstein has done fundamental work on the cholera organism and was responsible for the purification and crystallization of the "exo-enterotoxin" and a related toxoid which the organism secretes, in addition to research on the significance of cholera antigens in the immunology of cholera infections.

This work has enabled researchers across the world to zero in on the method by which cholera sickens and kills and on possible methods to combat the disease.

"Since 1961, the 'Seventh Great Pandemic' of cholera has raged worldwide," says Dr. Finkelstein, "It was widely seeded in Africa and invaded Europe for the first time in this century.

There are occasional imported cases in the Western Hemisphere and even one in Texas in 1973."

Cholera is a disease of violent vomiting and diarrhea. The cholera bacteria — a curved rod-shaped organism called a vibrio — sticks tightly to the lining of the upper bowel and reproduces so rapidly that the surface soon gives the appearance of a shag carpet in highly-magnified electron micrographs.

The vibrios then excrete the toxin which activates the cells lining the bowel, causing them to produce "cyclic AMP," an important regulator of many bodily functions, including intestinal secretion of salts and water.

Indiscriminately produced, the cyclic AMP causes the victim to discharge great quantities of water and electrolytes (salts) through diarrhea or vomiting.

"A person can lose 20 liters a day and in place where there is poor sanitation, this can put two trillion vibrios into the environment," Dr. Finkelstein calculates.

This accounts for the rapid spread of the disease.

Before recent developments in research, mortality was as high as 60 to 80 per cent in all cases. Today, administration of the proper fluids by mouth or intravenously provides ideal treatment.

Yet, lacking proper treatment, thousands die in underdeveloped nations and so a form of immunization is badly needed.

Dr. Finkelstein became interested in cholera while doing research toward his Ph.D. with Professor C.E. Lankford in 1955 at UT Austin. This work led to development of a culture medium for vibrios which is in wide use. After post-doctoral work at Southwestern in virology, he went to Walter Reed Army

Employees, students to receive flu vaccine

Full-time faculty, staff and students of the health science center will be offered free swine flu vaccinations this fall.

The voluntary inoculations, which take three to four weeks to become

effective, will be given on campus in early September, before the flu season begins.

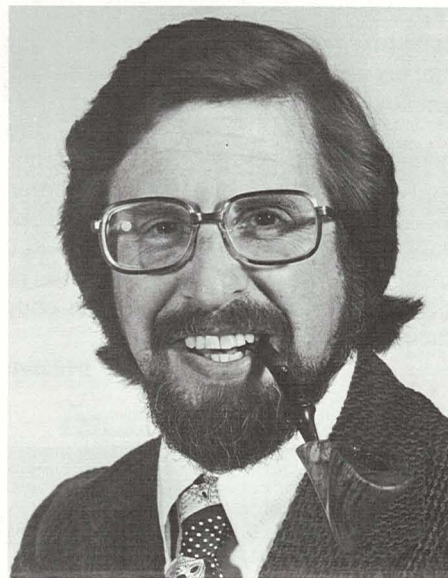
Bertha Farrington, assistant director of health service, who will be administering the inoculation plan said that only full-time, paid employees and students will be eligible to receive the vaccine at UTHSCD.

Mrs. Farrington hopes that the center will have access to an injection "gun" which will speed up the inoculation of the nearly 4,000 employees and students who are expected to take advantage of the service.

Dr. James Luby, associate professor of internal medicine and recognized expert on infectious diseases, says that in the opinion of the U.S. Public Health Service, inoculations of adults "is a very good idea."

It is Dr. Luby's opinion that the inoculations are very effective and that the side reactions in adults are minimal.

Secretaries, nurses and M.D.'s are needed to implement the inoculation plan that will begin the first week in September. Volunteers are to call Mrs. Farrington at 688-3372 or 3320.



Dr. Richard Finkelstein

Research Institute where he again worked on cholera because there were outbreaks in Thailand and the Philippines. He went to the Southeast Asia Treaty Organization's medical research laboratory in Bangkok for three years and returned to Southwestern in 1967.

Currently, the only immunization against cholera is a rather inefficient method using killed vibrios. A chemically altered toxin is being tested in Bangladesh and the Philippines.

With Dr. Randall K. Holmes and Ph.D. student Michael Vasil, Dr. Finkelstein developed a mutant strain of cholera vibrios which did not produce much toxin and therefore did not cause the disease reaction.

The mutant was tested on volunteers in Maryland and was found to induce immunity but certain of the vibrios reverted to producing the original kind of toxin and it was deemed unsafe.

More recently he and Dr. Michele Ubelaker have been attempting to produce a mutant which would secrete a "safe" toxin. This would stimulate immunity to the toxin itself but not cause the disease. He feels this search may have a good chance of success and said that "I think this will be the ultimate weapon."

"Incidentally, some immunological 'relatives' of cholera toxin are produced by other intestinal bacteria which cause diarrhea. This includes the toxin produced by some strains of E. coli which cause diarrhea of travelers.

"So, if the mutant is successful, it probably would protect against 'turista'," he speculated.

Present studies include attempts to isolate and characterize the E. coli toxin with graduate student John Clements.

SAHS graduates to hear Dean Bonte

Dr. Frederick Bonte, dean of Southwestern, will speak on "United States Medicine in Its Third Century" at graduation ceremonies for the School of Allied Health Sciences Sunday, August 22 at 2:30 in the Tom and Lula Gooch Auditorium.

The 110 graduates will compose the largest graduating class in the school's six year history.

Dr. John Schermerhorn, dean of allied health will preside at the ceremonies and present the graduates to Thomas Law, member of the UT System Board of Regents and prominent Fort Worth Attorney, who will confer the degrees.

Candidates from seven allied health programs will receive bachelor of science degrees, including physician's assistants with 15 graduates. Other programs include allied health education, 4 candidates; physical therapy, 33; medical technology, 18; instructional media technology, 11; health care administration, 3; rehabilitation science, 26.

Grand marshal at the ceremonies will be Dr. Donald Pool, professor and director of rehabilitation science. Assistant marshal will be Doris E. Porter, associate professor and director of physical therapy. The invocation and benediction will be given by Rabbi Levi A. Olan.

Students and their relatives and friends are invited to attend a reception to be held in the center's cafeteria immediately following graduation ceremonies. The reception will be hosted by Dean Schermerhorn and allied health faculty members.

First regional conference at DFW Epilepsy meeting shares problems and strategies

"The problems of epilepsy transcend all the health care systems in the world," said Dr. David Daly, professor of neurology at Southwestern and chairman of the Commission for the Control of Epilepsy and Its Consequences.

"We're not going to be parochial about our disease. Maybe when we solve the problems of epilepsy, it will help people with other chronic lifelong diseases," he said of the commission's work.

The commission held its first regional meeting June 27 and 28 at the DFW Airport Marina Hotel. Termed a success by Dr. Daly, the meeting brought together epileptic persons and their parents; representatives of state agencies from Arkansas, Louisiana, New Mexico, Oklahoma and Texas; health professionals and members of the national commission.

The series of five regional meetings was designed to bring various state agencies together so that they can inform each other about what they are doing and become aware of available resources. A second goal of the meetings is to invite health service consumers to state the problems as they see them.

Dr. Daly was appointed by President Ford and Congress to chair the one-year commission. Executive Director is Dr. Richard L. Masland. Patsy M. Owens is Deputy Executive Director. After its study the commission will make legislative recommendations to Congress.

Dr. Daly said participants in this meeting agreed that the major problems are lack of public understanding, transportation, insurance and employment.

A better understanding of epilepsy — what it is and what can be done about it — was "at the top of everybody's list." Participants agreed that several groups need to be better informed — school systems, employers and fellow workers, and physicians and other health professionals, as well as the public in general.

Patients and their parents specifically cited the need for better medical care. They complained that often physicians fail to explain the nature of epilepsy, the reason for prescribed drugs and their effects.

TIME LAG

Dr. Daly said medical care would improve if current knowledge and resources are utilized. He said there is too great a time lag in getting drugs approved by the FDA, understanding the pharmacology of antiepileptic drugs and in using serum drug levels in controlling epilepsy. He also cited a national published survey in which more than 50 per cent of the laboratories surveyed gave unreliable results in serum levels of an antiepileptic drug. He said precise knowledge of serum levels is essential in treating patients effectively.

Transportation is another major problem for people with epilepsy. Although they can be licensed to drive in almost every state, licensing laws vary among the states. Some states require that a person go without seizures for two years before a driver's license will be issued. Dr. Daly said some patients' seizures are predictable, and the states could have a new standard grading system of deciding when a patient can be licensed, instead of an arbitrary two-year waiting period. For those who cannot drive, a more reliable, more convenient

public transportation system is needed.

Epileptic persons also have trouble getting insurance — health, life or liability.

"What kind of statistics are the insurance companies using as a basis for their reluctance (to insure epileptic persons)? I personally haven't been able to find out," said Dr. Daly.

In addition to transportation to a place of employment, epileptic persons have the problem of the employer's reluctance to hire his first epileptic employee. Money for job placement and counseling is just as important as money for vocational rehabilitation.

Dr. Daly said he expects the same problems to be named at the other regional conferences, although the conference in Puerto Rico may emphasize the employment problem. The general unemployment rate there is 30 per cent.

He said a unique aspect of this conference was the sharing of information about the Texas Rehabilitation Commission's program, recognized nationally as a model program. He said that programs that work need to be shared so that other agencies can copy their strategies.

—Ann Williams



Dr. Jorge Howard accepts award from Dr. Mary Jo Harrod

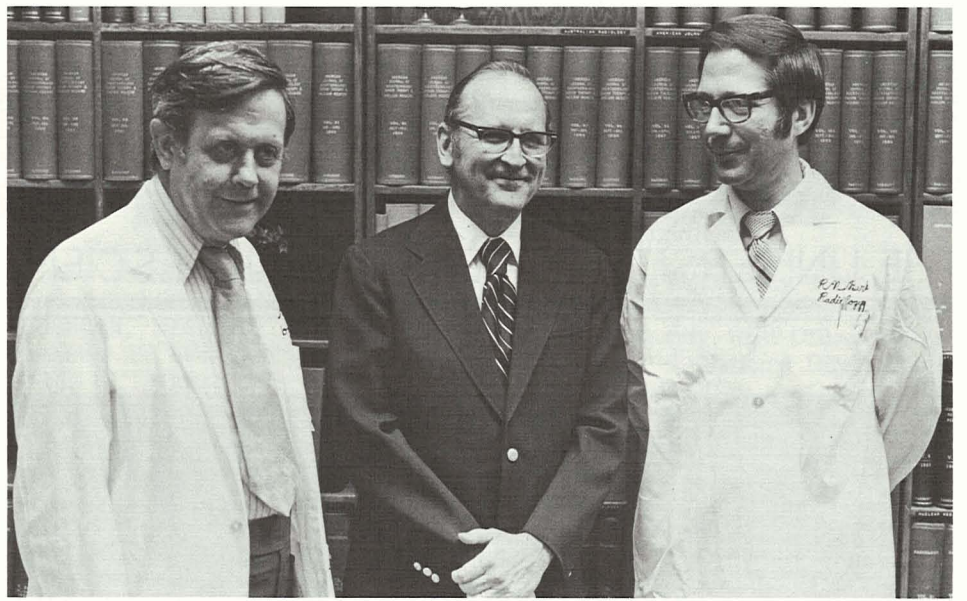
Faculty update

A special presentation was made to Dr. Jorge E. Howard, former professor of pediatrics at the health science center and director of the March of Dimes funded birth defect clinic, and director of outpatient services for Children's Medical Center by Dr. Mary Jo Harrod, medical genetist at Southwestern and medical advisor on the Texas State March of Dimes Council.

The plaque awarded Dr. Howard cited him for his many achievements and contributions to the health of children during his five year tenure at Southwestern.

Dr. Charles C. Sprague, health science center president, received a special award for significant contributions to the community environment. His award was one of five given by the American Institute of Architects at the opening of "Design 76", a special exhibition complementing "Dallas From the Ground Up."

Dr. Harry M. Spence, clinical professor of surgery, has been elected to Honorary Associate Fellowship in the American



Dr. Jack Reynolds (left), Dr. Frederick Bonte (center) and Dr. Robert Berk (right) in the new library.

Bonte library dedicated

The Frederick J. Bonte, M.D., Library, named in honor of Dr. Bonte, dean of Southwestern and former chairman of radiology, was officially opened at dedication ceremonies June 25.

Dr. Robert Berk, chairman of radiology, explained that the library was financed by contributions from friends and former residents as a "token of the esteem in which they hold Dr. Bonte."

Located on the ground floor of Parkland Hospital, the Bonte Library includes a complete radiological reference library, a learning file and a student study area.

The learning file consists of approximately 1,200 cases containing 3,600 full-sized reproductions of original radiographs. They make up an instructional system for basic education in the interpretive aspects of the radiological examination. It will be utilized by medical students, residents and radiologists wishing to reaffirm their basic skills.

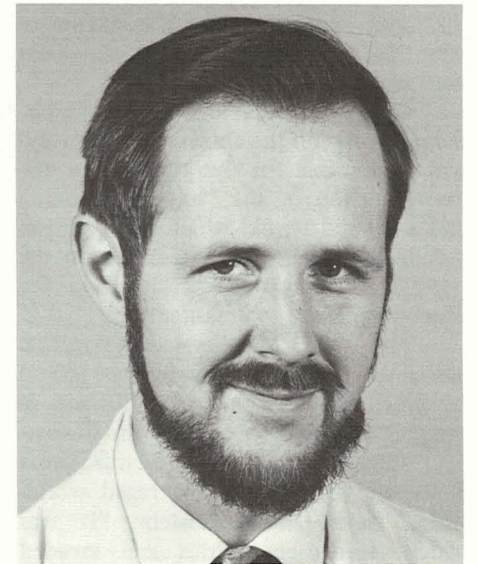
Professors join U. S. University

Dr. Kathryn Holmes, assistant professor of microbiology, and Dr. Randall Holmes, associate professor of internal medicine and associate director of the division of infectious diseases, have resigned to take appointments at the new Uniformed Services University of the Health Sciences in Bethesda, Md., effective September 1, 1976.

Dr. Randall Holmes has been appointed chairman of the Department of Microbiology and professor of microbiology and internal medicine at the new federal institution, which is to open its doors to students this fall. He will develop the teaching programs for the department and will recruit its faculty members.

"I consider this a very exciting opportunity," he said. "Infectious diseases are significant problems for the Uniformed Services, and the study of microbiology and infectious diseases will be an important part of the medical curriculum for our students."

Dr. Kathryn Holmes has been appointed associate professor of pathology (cell biology) at the Uniformed Services University. She will continue her research into virus cell interaction with corona virus and teach microbiology.



Dr. Randall Holmes

Academy of Pediatrics. This is a honorary classification for distinguished persons not pediatricians, who have made outstanding contributions to child health.

Dr. M. T. Jenkins, McDermott professor and chairman of anesthesiology, has been elected to a three-year term on the American Medical Association Council on medical education. His term of office began July 1.

Dr. Jenkins was the only new member elected at the 1976 annual meeting of the eleven member council.

Dr. David Mishevich, chairman of the Department of Medical Computer Science, spoke on "Medical Computing Applications and Amateur Radio" at the Medical Amateur Radio Council's annual meeting at the Sheraton Hotel June 25-26.

Dr. William Christensen, chairman of medical illustration, has been elected president of the Association of Biomedical Communications Directors.

New method to study leukemia

Dr. Graham Smith, assistant professor of internal medicine at the health science center, begins work this month on an improved method of assessing the condition of leukemia and lymphoma patients.

The method will subgroup patients for a more individualized treatment for their particular form of disease.

Having been named one of the eight Leukemia Society of America Scholars this year, Dr. Smith will work under a five-year \$100,000 salary grant from the society.

Dr. Smith will attempt to purify certain protein "markers" found in the malignant cells of leukemia and lymphoma (cancer of the lymph tissue), but not found in normal mature cells. After he has purified the "markers," he will develop specific biochemical and immunologic assay techniques for them. The measure of these proteins hopefully will assess a patient's condition more precisely than techniques now in use.

Dr. Smith said after some patients respond well to treatment, drugs are stopped. Then while some patients continue to do well, others have a sudden recurrence of the malignancy with some dying.

Dr. Smith said much work has been done in protein "markers" in animals, but not much is known about "markers" in humans.

The malignant cells that occur in the blood of some childhood leukemia patients contain an enzyme that occurs normally only in the thymus or in small quantities in immature cells in the bone marrow. The malignant cells have no mature functional abilities, so it is thought that the cells have undergone some malignant change instead of differentiating normally into mature cells.

Dr. Smith's project will involve a complicated procedure of immunizing animals with certain malignant cells from childhood leukemia patients. The animal will produce antibodies for that particular cell. The antibody for the "marker" being studied will be separated from the other antibodies. After it has been purified, its specific assay can be developed.

"This whole process takes years to complete," Dr. Smith said. He will concentrate on three known "markers" in acute lymphocytic leukemia. He said his goals at the end of his five-year grant are "to have assays for these three protein 'markers,' and to know if they are useful in following patients clinically."



Jackie Stutzman, formerly administrative secretary to Dr. Albert Roberts, associate dean for clinical affairs.



Jackie (left) and her husband Nolan (right) pack up the last of their belongings before leaving for Guatemala.

Center secretary seeks more meaningful life joins Peace Corps

Jackie Stutzman, administrative secretary to Dr. Albert Roberts, associate dean for clinical affairs at the health science center, and her husband, Nolan, seemed to have everything going their way.

Both had excellent jobs with above average incomes (Nolan was a partner in a Dallas law firm), new cars, nice apartment, all of the luxuries of the young affluent society in Dallas.

On July 3, the couple held a garage sale to sell everything but a few of their most treasured possessions. And on July 19, they left for Guatemala as members of the U.S. Peace Corps.

Why? This is the question that their friends and parents have asked. Why would a young couple forsake the "good life" here for uncertainty, inconvenience and poverty of a developing nation?

During the past year Jackie and Nolan have been increasingly discontented with their lives. They took time to carefully evaluate where they were going and didn't particularly like the answer. The one positive aspect of their lives was the friends that they had made in Dallas. Otherwise, they felt that they were unwilling participants in the race to own more, go more and spend more.

Nolan wasn't unhappy with his law practice, but he felt that something was missing.

His leaving was not easily understood by other members of the law firm.

"The senior partner said that he had lost associates because they felt that they could make more money elsewhere, but he had never lost out to the Peace Corps," said Nolan.

"I love my job with Dr. Roberts, but I have always wanted to work with people and that's what Nolan and I will be doing in Guatemala," added Jackie.

They first became interested in the Peace Corps while in college. They met another young couple who had just returned from a stint in the corps. The couple's enthusiasm was infectious.

"We talked to them for hours. I guess we asked a million questions," remembers Jackie.

At that time Nolan had just returned from Vietnam and wanted to get his law degree. They decided to wait.

Later, after moving to Dallas, they again considered joining the corps. Nolan was anxious to get his practice started. They had struggled financially putting Nolan through school, and Jackie felt that they needed a period of time to enjoy themselves. And again they put off seriously considering joining.

Three months ago, Jackie and Nolan decided that the time was right to act.

"A month or so after we filled out our applications," Jackie said, "I realized what a huge step we were taking."

Jackie grew up in the city. Like other upper middle-class Americans, she had always had anything that she needed. Now she and Nolan were wondering if their living quarters would have plumbing and electricity.

"And I had just brought a new car, a Peugeot. That car was so important to me," Jackie said. "I would think about giving the car up and get very depressed."

During this low point, Jackie went through a period of self-examination.

"That's when I realized that I was, like so many others, caught in the 'materialism trap'."

Jackie and Nolan will be teaching nutrition to teachers in Guatemala, however, they feel that they will be receiving as much as they give.

"We will be learning a new language, a new culture and, most important, learning to slow down. We are so busy here that we don't take time to look at what a beautiful world we have."

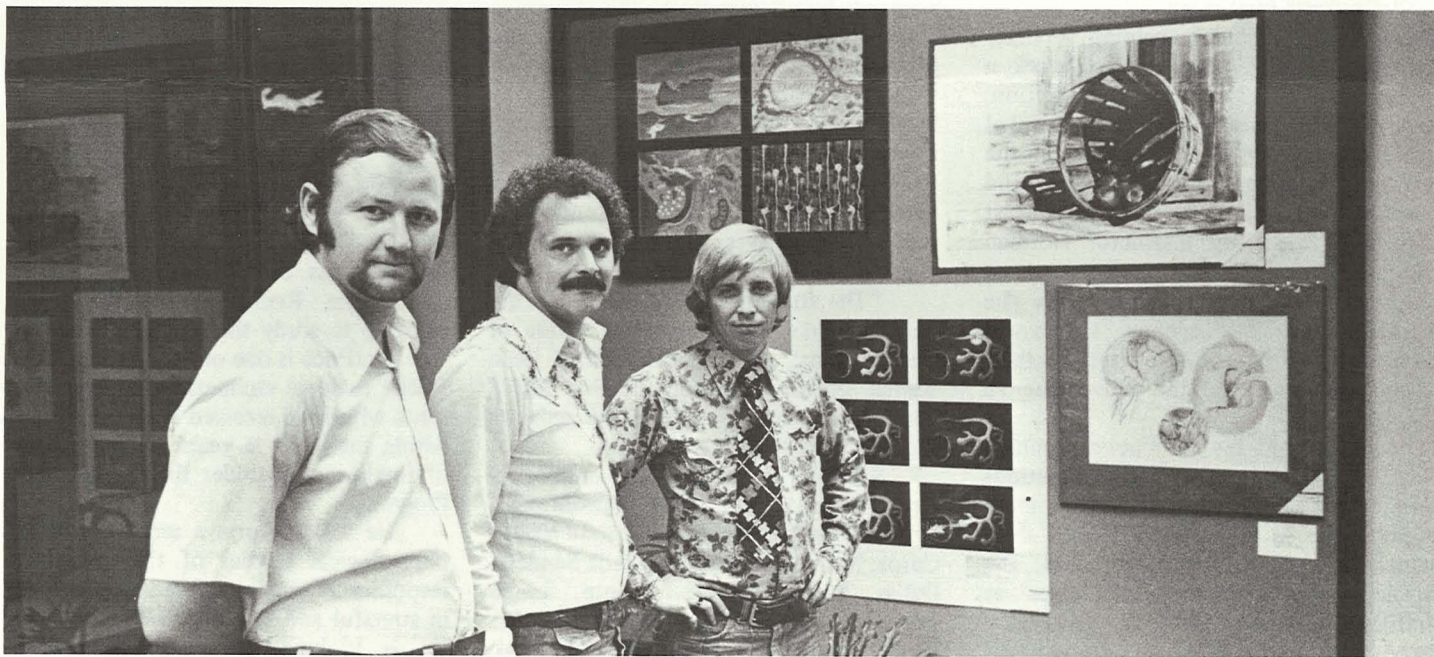
Las Vegas setting for art awards

The Department of Biomedical Communications, Medical Illustration Services faculty at the health science center took some top art exhibition awards at the recent meeting of Bio-communications '76. The meeting, held June 6-10 in Las Vegas, was a combination of the annual meetings of the Association of Medical Illustrators, the Biological Photographers Association and the Health Sciences Communications Association.

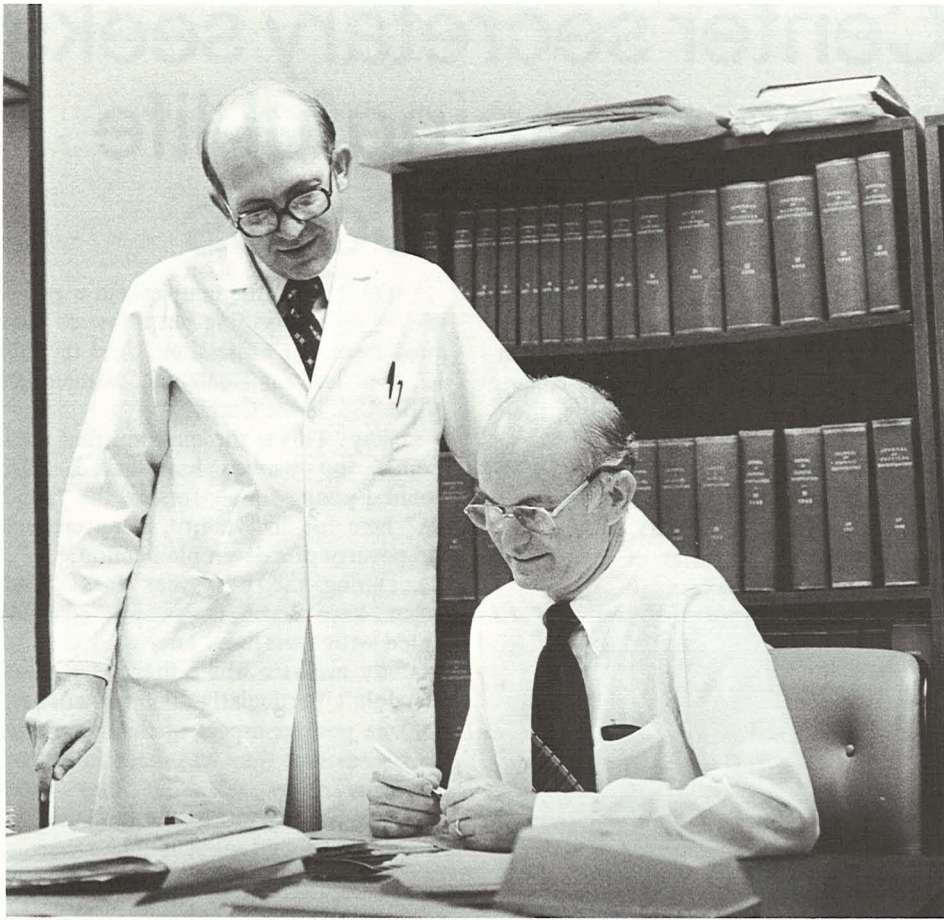
Some of the award winning pieces are on exhibit now in Medical Illustration in room E1.404 in the Florence Bioinformation Center.

Award winners are as follows:
Association of Medical Illustrators
Bill Winn — The Fine Arts Award

Lewis Calver — 1st place - Continuous tone; 2nd place - Graphics for Non-projection; 2nd place — Color
Edmond Alexander — 1st place — Projection Graphics
Steve Harrison — 1st place — Pen and Ink medical illustration; 2nd place — Projection graphics
May Cheney — Student award
Biological Photographers Association
Edmond Alexander — 2nd place and honorable mention in Natural Science category
Terry Webb — Honorable mention — general illustrative monochrome print
Mike Lorfing, Bill Winn, Art Babick and Ed Alexander — 1st place — 16 mm film ("Balloon Atriostomy").



Medical illustration faculty members (from left to right) Mike Lorfing, assistant instructor, Bill Winn, Assistant professor and Ed Alexander, assistant instructor view their award winning art now on exhibit in room E1.404.



Dr. Jean Wilson (standing) and Dr. John Fordtran confer on journal.

ASCI election sets precedent

For the first time in its history, the American Society for Clinical Investigation will have succeeding presidents from one institution.

Dr. Jean Wilson, professor of internal medicine at Southwestern and editor of the *Journal of Clinical Investigation*, will be the next president of the nation's most prestigious organization of clinical research scientists. He was chosen president-elect by the society at its recent annual conference and will take office next May for a one-year term.

Dr. Wilson will succeed Dr. John S. Fordtran, also a professor of internal medicine, who is current president of the society. Also the president-elect will become the third Southwestern faculty member to head the organization.

Dr. Donald W. Seldin, professor and chairman of internal medicine was the society's president in 1966.

Society spokesman said they could recall no other medical school in the nation to have three presidents named from its ranks.

Dr. Wilson holds the Eugene McDermott Chair of Human Growth and Development at Southwestern. A recognized expert on glandular function, he received the Ernst Oppenheimer Memorial Award of the Endocrine Society in 1972 for meritorious accomplishment in endocrinology. He has published more than 70 scientific papers, many dealing with mechanisms of cholesterol absorption and sex steroid hormone action.

An honor graduate in chemistry from The University of Texas at Austin, Dr. Wilson received his M.D. from Southwestern in 1955. He has been on the school's faculty since 1960 and has been professor of internal medicine since 1968. He is a diplomate of the American Board of Internal Medicine and has been an established investigator of the American Heart Association. He holds memberships in numerous scientific and academic societies and has served on editorial boards of several major scientific journals.

multi-talented instructor acts as AV-TV director

by ANN WILLIAMS

From winning at dice in Las Vegas to producing television programs in Spanish, Carol Udel is stimulated by challenge.

Ms. Udel brings a variety of experience to her position as acting director of audiovisual and television services. Named acting director when Dr. Tom Sweeney resigned, she emphasizes that she is willing to hold this position only until a permanent director can be found, possibly until the end of the summer. She supervises a staff of 18 in addition to her regular duties as a television instructor in biomedical communications, but she prefers teaching to administrative work.

"Teaching helps you to pull your entire knowledge and experience together in a way that you haven't done before," she said. She enjoys her job at UTHSCD — the challenge and the pleasant working climate, as well as the experience of teaching in person.

Her favorite aspect of television production is helping the client to

visualize the program content. She likes the creative possibilities in making a potentially dull subject come alive.

Her interests in education and Spanish are woven into her television career from "some education courses" and a Spanish minor at UT Austin, where she was one of the first students to receive a BFA in radio-television, to her last job at the University of Arizona, where she produced training programs for bilingual teachers.

After working at the United States Information Agency in Washington, she spent two years in the Peace Corps in Bogota, Colombia, where she produced and directed teacher training materials broadcast over the national television network for teachers in the national school system. Of course, the programs were in Spanish.

"I think I forgot to mention that the programs I did at USIA were in Spanish," Ms. Udel said. While she was in Bogota, she saw some of her USIA programs on television.

Ms. Udel holds an M.A. in Educational Curriculum and Media Development from the University of Colorado. She also did graduate work at American University in Washington. Other professional experience includes teaching Spanish in elementary school in Colorado, and production of teacher training programs for Prince George County Schools in Maryland.

She enjoyed her work in bilingual teacher training at the University of Arizona.

"If it had not been for the hot Tucson climate and the job offer here, I would probably still be there," she said. She is from Dallas, but she had not lived here since leaving to go to college. Then last August she came to UTHSCD as a television instructor. Since she became a widow five years ago, she said her children, Emily, age nine, and Michael, age eight, had been dependent on her alone. She likes the fact that they are also close to her parents now.

"The Spanish language and culture has always been important to me," she said. She used the \$500 she won in Las Vegas, while attending the Biocommunications '76 convention, to take a trip to Mexico City.

Although she has been unable to work Spanish into her job here, she has organized a Spanish Club which meets at noon, Fridays, in room C2.106. Her other campus interests include moderating a panel on "Women and Credit" for the Women's Action Group last month.

Headache study wins grant

Dr. Kenneth Price, psychology instructor, has been awarded a \$10,000 grant from Roche Psychiatric Service Institute to study the migraine headache.

Dr. Price is one of the winners of the Roche national competition among applicants who have received M.D.'s or Ph.D.'s within the last five years. His grant is one of five awarded under the Stress Grants Program.

He will perform a series of physiological studies of the autonomic responses of migraine headache sufferers in stressful and in nonstressful situations. He is looking for migraine headache sufferers to participate in the study. Volunteers may call him at 688-2031.



Carol Udel, acting director of audiovisual-television services.

Students earn, learn

This summer eight School of Allied Health Sciences students are earning stipends and gaining skills as well as credit for an elective course, RS 3311 Field Work in Rehabilitation Services.

Students may work in "any employment associated with helping services/human behavior." They must work a minimum of 12 weeks. In addition, course requirements include a detailed paper to be written at the end of the summer, relating the skills learned and used in the training situation, and at least two field visits by instructor Norman Hooze. The first visit consists of an informal evaluation meeting with the student and his agency supervisor. Students will also be evaluated by their agency supervisors at the end of the 12 weeks.

Hooze said the students are gaining valuable experience in these situations where they work with clients under close supervision. In close contact with their supervisors himself, Hooze said the agency personnel see themselves as fulfilling a training function. An agency may expose the student to different jobs as learning experiences, when it would be more economical to use the student in

one area for the whole summer.

Hooze points out that the course helps develop professional independence in the students. He prepared a list of summer internship leads with service agencies, but it was up to the individual student to obtain the position and negotiate his own stipend.

He said the stipends are valuable because they may enable some students to do internships. Some who would like to have this training must take more lucrative positions during the summer to support themselves through the school year.

"The students in field placement are helping make the community aware of our program," said SAHS Assistant Dean Kamal El-Din, pointing out that SAHS gets positive feedback from the agencies regarding the student's abilities.

Students and their agency employers are George Abreu, Camp Soroptimist, Denton; Joe Chapa, Neighborhood Youth Corps; Mitzie Dabney and Linda Sanders, Dallas Rehabilitation Institute; Linda Freemon, El Centro College; Debbie Hurst, Timberlawn Psychiatric Hospital; Mary Lam and Nancy Tsang, Dal-Worc Sheltered Workshop.

newsmakers . . . newsmakers . . .

School of Allied Health Sciences

Out of 200 applicants to the PA's program for the Fall '76 class, the starting class of 24 students has now been selected. They will be the first to begin under an innovative curriculum concept — "The Self-Instructional/Tutorial" system. This is the youngest class and it has the highest GPA of any we have enrolled. We look forward to their arrival on August 30th.

On June 8, 1976 orientation was held for new students in physical therapy and nutrition and dietetics. Dean Schermerhorn made the welcoming remarks.

Jenne Bols, a student in the nutrition and dietetics program has been awarded a scholarship of \$250 from the Texas Dietetic Association Elmina Belcha Award. Congratulations to Jenne!

Anesthesiology

Congratulations to Karyl and Ronny Aronoff on their wedding, June 26, 1976, as well as to Dona Iser, daughter of Jean Iser, technical staff assistant, on her graduation from Lewisville High School and her scholarship to Northwood Institute of Texas.

We are pleased to have a visitor with us for the month of July, Dr. Ole Secher, visiting from the University of Copenhagen, Denmark.

Dr. Justo Gonzalez joins our teaching staff in July after completing his residency with us. We also welcome 28 new housestaff members between May and August.

Cardiopulmonary

Goodbye and goodluck to Karen Partain, who left us in July to maintain a fulltime job at home.

Delories LaRue celebrated her 4th of July in New Orleans attending the P.W.P. International Convention. As souvenirs she brought home a nice collection of hurricane glasses from Pat O'Brien's.

Dr. Jere Mitchell and family are spending the summer in Copenhagen, Denmark, where he is doing research at the University of Copenhagen.

We welcome new secretaries Jean Jordan and Nettie Campbell to our staff.

Data Processing

Buttons are popping off a number of parent's shirts in administrative data processing & systems.

Vince Carr (a newcomer to our ranks) had his daughter Doreen winning the Pennsylvania state bowling tournament for highschool students 15 and over.

Biff Patton's son, Randy took honors in the field of music, being voted outstanding member of the Irving boy's choir, rating in the top 10% in the national piano ratings sponsored by the national guild of piano teachers of the American College of Musicians, and for good measure, taking the silver medal in the student affiliate theory test of the Texas Music Teachers Association.

Bill Dawson's daughters all scored, with eldest daughter, Kim, being named outstanding student in the area of home economics by the National Honor Society and middle daughter, Angie, being elected as a 7th grade cheerleader. Not to be outdone, youngest daughter, Lisa, brought home an award statuette for her piano classes.

Glenn Sims' son, Mike, was inducted into the National Junior Honor Society and followed it up by taking first place all around in the PGCT state gymnastic competition, then first place all around in the USGF state competition, then being

presented with the trophy for Outstanding Gymnast of The Year, and topping it all by taking first place all around in the Regional USGF competition, making him the best 12-14 year old gymnast in the 7 state region.

Larry Nelson whose daughter is still a little young, compensated by bringing back, for the third consecutive year, a first place trophy from the metro-golf tournament put on by UTA.

Family Planning

A gracious welcome to family planning goes to Dr. Fawzi Iliya, assistant professor of ob-gyn who has recently been appointed as acting medical director of the program. Dr. Iliya comes to us from Beirut, Lebanon where he was with the American University of Beirut as a clinical assistant professor of ob-gyn.

Barbara Cambridge, director of social service received certification by the American Association of Sex Educators and Counselors as an AASEC sex educator. We're proud of her accomplishment.

Newest nursing staff additions are Linda Cottle, R.N., and Diane Sullivan, R.N., who are replacing Mary Hughes and Sally Figilino who have departed for greener pastures, San Antonio and California.

Margie Erwin has joined the community health workers staff. We are happy to have her with us.

Probably the most unusual vacation trip planned was that of the Doctors Dowben (Carla of family planning and Robert of the department of biophysics). These brave and hardy souls joined the 5 million on the crumbling shores of New Jersey to view the arrival of the Bicentennial sailing ship regatta.

We are saddened by the resignation of Martha Baine, data system coordinator. Ms. Baine has been of invaluable service to family planning and we will miss her. Linda Kreder has been designated as Ms. Baine's replacement and we are sure she will continue Martha's work with her usual efficiency.

Alicia Wheeler will assume responsibilities of MANDATE project under the Robert Wood Johnson Grant for the Dallas Regional Perinatal Program.

Microbiology

Dr. Eugene Rosenblum appeared on Channel 8, June 18th, to discuss hazards of genetic recombination in bacteria.

Dr. Finkelstein abandoned bachelorhood, marrying Dr. Mary Boesman.

Dr. and Mrs. David Hart welcomed parenthood (a son, Steve).



Potluck Hits the Jackpot

Physical plant's bowling team, Potluck, displays their 24 trophies. (from left to right) Becky Hartt, second place team; Daryl Wilson, second place team, most improved bowler, male; Judy Ainsworth, high handicap series #665, last place; Alice Hinkson, second place team; Lynn Edin, high series #625, first place team, most improved bowler, female; Betty Fuston, high scratch game, mixed league champion; Terry Letz, first place team, high scratch series #605; A. J. Montoto, second place team.



Admiring Jay Lambert's (left) handiwork are Bob McKee (second from left), Mark Willis (center), Keith Green, (second from right) and Randy Moore (right).

Medical Technology

Dr. L. Ruth Guy, chairman of the department of medical technology flew off first this month to an international conference in Buffalo for five days — returned for less than a week, then off to an invitational workshop near Chicago — returning for another short week before taking off for a business and professional women's club meeting in Brownsville where she did manage to find a couple of moments free to visit in Mexico. Hopefully she will be around here (PMH, SAHS, SWMS) long enough to find where everything is in her new desk before she has to head back to Chicago for another meeting.

Barbara Marshall (Castleberry) also visited the windy city when she attended the IAMT/ASMT Joint International Conference for Medical Technology.

Mail Room

Jay Lambert found time during his busy schedule to celebrate the 4th of July. With a little bit of help and inspiration from Josie Lopez in person-

nel, he painted his mail cart a patriotic red, white and blue. Jay can be seen with his cart delivering mail in the McDermott Academic Administration Building daily. The mail room says "Happy Birthday America!"

—Frank Chabbaria

Personnel

Help is Here! Linda Wagner is going to be with us for the summer to help us out in personnel.

Hello goes to Tanya Edmondson who is our new receptionist. Its great to have you with us Tanya.

A baby shower for Haven Allen was given July 13th by Cathy Rank. Congratulations Haven.

Happy Birthdays for this month to Kathy Kolb and Debi James.

Vacationers for July include Cynda Favors who roughed it at Tawakoni and Debi James who buzzed on down Quitman way for skiing and fun for the Bi-Centennial 4th. Ella Joplin vacationed the entire 4th of July week. Nancy Yerrington is back from a church summer camp outing and David Peugh is headed to Oklahoma and New Mexico.

Obstetrics & Gynecology

Congratulations to Sandi Hauschel and Dave Ashton who married on May 25, 1976. "Hi" to Mary Routt, Nancy Bremer, and Cheryl Schilling who joined us in June. Mary replaces Betty Crossland as secretary to Drs. Forney and Nalick. Betty has re-joined the at-home-wives, and we know she'll love it . . . especially wearing her farewell safari shortsuit, but am sure the hunting will be confined to the super market! Also belated welcome to Jane Saltillo.

Another good-bye luncheon . . . hate the occasion, love the food . . . this time for Joann Vincent whose husband transferred to Little Rock and made a hard-to-fill void in our offices.

Dr. Richard Worley and Dr. James Aiman, assistant professors, have joined the faculty as of July 1. Cake and coffee made a nice welcome.

That sudden down-pour of a couple weeks ago claimed one victim — torn Achilles tendon for Alice Bennett . . . crutches and cast are gone, but the limp will be with her for a while.

Grants awarded

(Includes type of award, granting agency, project title, amount, principal investigator and budget period)

Research, AHA-Texas Affiliate, Glucagon dynamics in hypertriglyceridemia, \$10,000, Philip Raskin (1); Research, AHA-Texas Affiliate, Myocardial injury and organ flows after ventriculotomy, \$8,965, David E. Fixler (1); Research, AHA-Texas Affiliate, Involvement of microtubules in myocyte contraction, \$10,000, Arthur P. Bollon (1); Research, MDA, Enucleation and fusion of muscle cells, \$17,000, Jerry W. Shay; Research, AHA-Texas Affiliate, Uptake and effects of digoxin in isolated myocardium, \$7,271, Kathryn A. Taubert (1); Research, AHA-Texas Affiliate, Cardiovascular control during isometric exercise, \$8,500, William J. Gonyea (1).

Research, NHLI, Cardiac mechanics measured in vitro and in vivo, \$26,350, Gordon H. Templeton (2); Research, NSF, Development of cerebellum, \$10,000, Donald J. Woodward (supplement); Research, NHLI, Cardiovascular adjustment to behavioral stress, \$32,104, Richard A. Galosy (1); Research, NHLI, Cardiovascular control during isometric exercise, \$57,385, Jere H. Mitchell (1); Training, NHLI, Biochemical orientation of cardiovascular investigation, \$118,082, Juha P. Kokko (16); Research, NHLI, Fluorescent probe studies of heart muscle proteins, \$36,698, Robert M. Dowben (2).

Research, NIAID, Genetic study of immunoglobulin V region structure, \$52,906, J. Donald Capra (2); Research, NIAMDD, Studies on the enzymes of methylamine metabolism, \$29,769, Louis B. Hersh (8); Research, NIAID, Serological analysis of IR region of murine H-2 complex, \$28,500, Jan Klein (2); Research, NHLI, Cardiovascular follow-up of hypertensive adolescents, \$55,041, David E. Fixler (1); Research, NIAMDD, Structure and function of phosphofructokinase, \$22,401, Kosaku Uyeda (5); Research, NIAMDD, Program-project in liver diseases, \$311,203, Burton Combes (1); Research, NICHD, Chromosome mutations in infants and children, \$46,109, Mary E. Gauden (5); Research, NINDS, Central thermosensitive controls of body temperature, \$24,330, James M. Lipton (3).

Grant-in-aid, AHA, Effect of bile salt feeding on lipoprotein metabolism \$15,730, David W. Bilheimer; Grand-in-aid, AHA, Sizing myocardial infarctions, \$16,280, James T. Willerson.

Research, NHLI, Biochemical-pharmacological evaluation of lung cells,

\$24,612, Russell A. Prough (1); Fellowship, Arthritis Foundation, \$11,000, Philip L. Cohen (1); Research, Council for Tobacco Research - U. S. A., Inc., \$18,222, H. Fred Downey (3); Research, Lilly Research Laboratories, \$30,404, Jorge E. Howard, Sr.; Research, NIAMDD, Theoretical and therapeutic aspects of calcification, \$51,296, Charles Y. Pak (5); Research, NHLI, Adrenergic vesicles in experimental hypertension, \$21,034, Antonio Giachetti (1).

Research, Hoffmann-LaRoche Inc., \$12,666.66, Morris Ziff (1); Career Development, NIAMDD, Regulation and treatment of diabetic ketoacidosis, \$25,000, Denis McGarry (1); Research, NIAMDD, Adaptation of muscle to high-intensity exercise, \$28,276, William J. Gonyea (2); Research, NIAMDD, Intestinal lipid absorption, \$22,404, Verney L. Sallee (3); Research, NIAMDD, Pathophysiology of esophageal motor disorders, \$53,246, Raj K. Goyal (2).

Research, FDA, Biologic responses to a chronic microwave environment, \$108,627, Robert M. Lebovitz (1); Research, NIGMS, Chromatin structure: location of histones, \$20,000, Vernon K. Miyamoto (1); Research, Upjohn Co., Use of (15S)-15-methyl PGF_{2α} in a silastic vaginal device as a means of achieving very early therapeutic abortion, \$6,250, J. H. Duenhoelter; Research, McGaw Laboratories, The effect of hemodialysis and renal transplantation on energy metabolism, cellular function and body composition in uremia, \$6,600, James Cotton; Research, NHLI, Ischemic heart disease center (SCOR), \$407,399, James T. Willerson (2).

Research, FDA, Vestibulo-cochlear effects of UHF-microwave radiation, \$31,778, Robert M. Lebovitz (3); Research, NHLI, Studies of heart adenyl cyclase complex, \$19,858, James R. Bunting (2); Research, Research Resources, Support for animal care facility, \$47,786, John A. Shadduck (3); Research, NIAID, Staphylococcal and staphylophage genetics, \$19,576, Eugene D. Rosenblum (17); Research, AHA, Myocardial injury and organ flows after ventriculotomy, \$18,150, David E. Fixler (1); Training, NIMH, Undergraduate psychiatry, \$31,293, Asa W. DeLoach (25).

Training, NIMH, Psychiatry-undergraduate human behavior, \$40,175, Maurice Korman (11); Research, NIAMDD, Ultrastructure in aminonucleoside induced nephrosis, \$9,061, Peter M. Andrews (2); Research, NIAMDD, Hepatic excretory function, \$3,290, Burton Combes (19); Research,

NINCDS, Effects of environmental stresses on brain development, \$46,684, Donald J. Woodward (2); Research, NIGMS, Mechanisms of bioenergetic reactions, \$23,492, Ronald A. Butow (5); Research, NICHD, An organ communication system for initiation of labor, \$183,388, Jack A. Pritchard (3).

Research, NINCDS, Neurohumoral events in cells ending in median eminence, \$23,511, Robert L. Moss (5); Research, NIAMDD, Role of cysteine residues in hemoglobins A, F, and S, \$18,118, Michael R. Waterman (5); Research, NHLI, Control of cholesterol metabolism - bile acid transport, \$116,878, John M. Dietschy (12); Research, NIGMS, Transport activity during lymphocyte stimulation, \$17,851, John P. Reeves (3); Research, Hoffmann-LaRoche Inc., Comparative influences of amoxicillin and ampicillin on fecal flora, \$3,960, John D. Nelson; Institutional Allowance, NIAID, \$3,000, John C. Cambier.

Research, NIAID, Ragweed pollen allergens: structure and function, \$21,200, J. Donald Capra (2); International Fellowship, NIH, \$14,387, Martha Medina; General, Southwestern Medical Foundation, \$147,400; Research, NIGMS, Studies on normal and malignant cell surfaces, \$58,380, Charles R. Hackenbrock (2); Research, NIEHS, Nutritional significance of selenium-2 seleno protein, \$40,677, Raymond F. Burk, Jr. (3); Research, NCI, Adhesion of normal and malignant mammalian cells, \$35,654, Frederick Grinnell (4).

Research, NCI, Infectious reticulo-endotheliosis DNA provirus, \$31,871, Chil-Yong Kang (1); Research, Blance Mary Taxis Foundation, The cellular metabolism of carcinogenic and/or therapeutic hydrazines, \$4,400, Russell A. Prough; Research, NHLI, Development and regression of cardiac hypertrophy, \$25,890, C. Lynn Skelton (2); Research, NIGMS, Hepatic microsomal drug oxidation, \$120,179, Ronald Estabrook (8).

Career Development, NHLI, \$21,500, Russell A. Prough (1); Research, NEI, Raman spectroscopy of the lens of the eye, \$13,764, Ronald A. Schachar (1); Research, NIAID, Structural studies of H-2, TL and T/T (F9) antigens, \$55,180, Ellen S. Vitetta (1); Research, NIA, Lymphoid cell function and aging, \$28,080, Joseph J. Lospalluto (2); Career Development, NICHD, Neural control of hormone release and sex behavior, \$25,000, Robert L. Moss.

Research, AHA-Texas Affiliate, Localization and activation of renal kallikrein, \$10,000, Patrick E. Ward (1); Research, NHLI, The secretion of pulmonary surface-active material, \$30,000, Thomas J. Delahunty (1); Research, NHLI, Interaction of peptides and target cells in lung, \$21,457, Alice R. Johnson (2); Research, NSF, Regulation of hypo-

thalamic releasing factor biosynthesis, \$30,500, Jeffrey F. McKelvy (1); Research, NIAID, Escherichia coli diarrheagenic enterotoxin, \$9,186, Richard A. Finkelstein (6); Research, Upjohn Co., \$2,000, William A. Pettinger; Career Development, NIGMS, Studies in biochemical and clinical genetics, \$25,000, Joseph L. Goldstein.

College Work-Study, HEW-Office of Education, \$1,412; Supplemental Education Opportunity, HEW-Office of Education, \$18,706; National Direct Student Loan, HEW-Office of Education, \$134,534; Research, AHA-Texas Affiliate, Morphologic development of the pulmonary vascular bed, \$6,022, Daniel L. Levin (1); Research, AHA, Morphologic development of the pulmonary vascular bed, \$16,830, Daniel L. Levin (1); Research, NHLI, Human adaptation to environmental and exercise stress, \$165,857, Jere H. Mitchell (16); Research, NIMH, Inhalant abuse among Mexican-American juveniles, \$179,961, Maurice Korman (2); Research, NSF, Analysis of the ilv genetic system of yeast, \$62,000, Arthur P. Bollon (1).

Research, NINCDS, The role of tubulin at the nerve ending, \$29,396, Howard Feit (2); Health Professions Special Project, HEW-Public Health Service, Rural preceptorship training in family medicine, \$76,324, David J. Pillow (2); Research Service Award, NCI, Cancer immunology training program, \$149,247, J. Wayne Streilein (2); Research, NCI, Studies of M-RNA in normal and cancer cells, \$45,905, Robert M. Dowben (2); National Direct Student Loan, HEW-Office of Education, \$61,548.

Research, E. R. Squibb & Sons, Inc., Comparative evaluation between velosef and kefzol, \$8,625, Philip A. Mackowiak; Research, Boehringer Ingelheim Ltd., Catapres study, \$33,972.67, William A. Pettinger; Research, Ayerst Laboratories, \$27,200, James T. Willerson (1); Research, NIAID, MLC histocompatibility antigens in human diseases, \$32,223, Peter Stastny (2); Research, NIAMDD, Autoantibody formation in rheumatoid arthritis and SLE, \$30,941, Morris Ziff (2).

Research Fellowship, NIGMS, Membrane transport in health and in various diseases, \$57,743, John M. Dietschy (3); Research, AHA-Texas Affiliate, Ultrastructure and cytochemistry of ischemic heart, \$6,930, Robert S. Decker; Research, Pfizer Inc., \$3,500, Charles R. Baxter; Research, AHA, Sterol synthesis in familial hypercholesterolemia, \$17,600, Michael S. Brown; Graduate Fellowship, NSF, \$29,200; Fellowship, Arthritis Foundation, \$13,500, Peter E. Lipsky (2).

Newsletter

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