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NON-CIRCULATING

THE UNIVERSITY OF TEXAS HEALTH CENTER



FALL/WINTER 1984-85

NON-CIRCULATING NTSU LIBRARY



ON THE COVER

Earlier this year Watson W. Wise purchased 3,000 research journal volumes for the UT Health Center. Now the only medical library between Dallas and Shreveport bears his name. See story beginning on page 10.

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The University of Texas Health Center at Tyler is a state referral hospital and research center for cardiopulmonary diseases. It is accredited by the Joint Commission for Hospital Accreditation and is a member of the American Hospital Association and the Texas Hospital Association.

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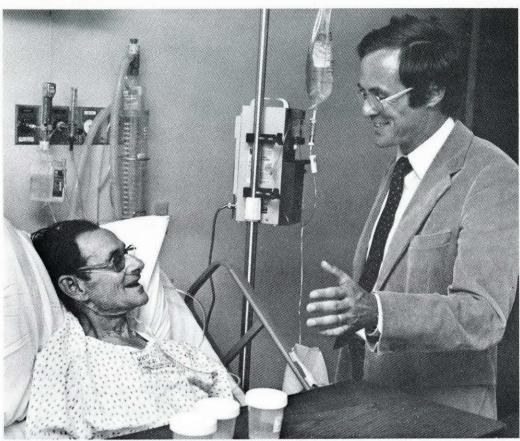
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For inquiries about admission write to Patient Management, UT Health Center, P.O. Box 2003, Tyler, TX 75710 or call 214/877-3451, ext. 4000.

Drug Breakthrough



Dutch Master of Whitehouse participated in the Augmentin study conducted by Dr. Richard J. Wallace at the health center.

he UT Health Center received national news attention this fall from Dr. Richard Wallace's participation in clinical tests of a new antibiotic that counterattacks bacterial resistance to penicillin.

These results were carried by USA Today, Medical World and Cable News Network, to mention a few.

The drug, developed by Beecham Laboratories, is called Augmentin. Although it has been available in 28 other countries, its usage in the United States wasn't approved by the Food and Drug Administration until last August. Augmentin is an oral antibiotic and consists of a widely prescribed penicillin derivative, amoxicillin, in combination with a unique bacterial resistance fighter, potassium clavulanate.

Wallace, the health center's

chief of microbiology, was one of three U.S. physicians Beecham Labs called to New York City in September to explain the effectiveness of the new drug. At a news conference attended by national media, Wallace described the results of his successful clinical trial.

Since the introduction of penicillin in 1940, many bacteria have developed resistance to the drug, including the causative agent of gonorrhea and Hemophilus influenzae, the most common cause of meningitis and middle ear infections in children. Previous attempts to find better antibiotic treatment for these resistant bacteria resulted in the discovery of new compounds. Wallace said resistance to penicillins involve the production of destructive "attack" enzymes, often called beta-lactamase because of their chemical structure.

When these enzymes (betalactamase) succeed in chemically destroying antibiotics such as penicillin, infectious bacteria continue to multiply and the diseases they cause may continue to produce symptoms. Wallace said more and more of the bacteria involved in infections are now betalactamase producers.

Scientists have continually tried to overcome the problem by preparing new antibiotics such as the second and third generation cephalosporins, which show improved stability to attack by betalactamase. Wallace said these drugs, however, are new compounds and have side effects or problems other than those seen with penicillin. One of these new drugs, for example, can produce bleeding problems, he said.

Augmentin represents an entirely different approach to dealing with the problem of beta-lactamase, according to Beecham Laboratories.

Although potassium clavulanate has little antibacterial activity of its own, its configuration is remarkably like that of penicillins and cephalosporins. Molecules of potassium clavulanate bind with beta-lactamases in the bacterial cell walls, destroying the enzymes and preventing them from inactivating the amoxicillin in Augmentin. This frees the amoxicillin to annihilate the defenseless bacteria.

According to Beecham Laboratories, the ability of Augmentin to overcome bacterial resistance has been demonstrated in more than 125 clinical trials in the U.S., including one conducted at the UT

Health Center at Tyler, and in several hundred other clinical tests abroad.

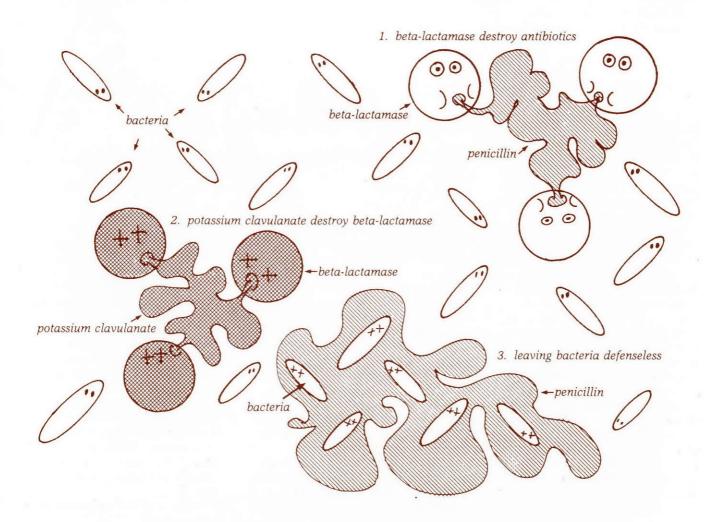
The pharmaceutical company reported a clinical success rate of 90 percent and above against both mixed or single strain infections of the ear, sinuses, throat, skin and skin structure, lower respiratory, and urinary tract.

Twenty-one UT Health Center patients under Wallace's care, who had chronic respiratory disease and who had developed bronchitis or pneumonia due to one of these resistant bacteria, agreed to participate in the clinical tests. Most patients had received frequent antibiotic therapy in the past. Wallace said all were successfully treated with Augmentin.

He says the major usefulness of the drug would appear to be in middle ear infections (otitis media) in children and respiratory infections in adults in areas of the country where penicillin resistance is a problem.

Wallace is an authority on bacterial resistance and respiratory infections. He came to the health center in 1982 as associate professor of clinical medicine and associate research professor of microbiology. He has an M.D. degree from Baylor College of Medicine and is a member of the Infectious Disease Society of America, as well as a consultant to the American College of Chest Physicians and the American Thoracic Society.

-Ken Whitt



Finding Support

t's no longer a hypothesis but a proven fact: Money is an important part of the scientific method

for today's investigators.

"Having grants not only help in the cost of research, but having grants from national agencies confirms that your institution is recognized as having research projects of significant importance to merit funding," says Cass Mahoney, sponsored programs administrator at the UT Health Center.

"We are aggressively seeking outside sources of funding to aid in the development of a nationally recognized research center," says Mahoney, who previously served as grants and contracts liaison at Philadelphia's Temple University under Dr. Allen B. Cohen, now UT Health Center executive associate director. She's a matchmaker of sorts, introducing researchers to potential benefactors.

Recently two health center researchers were awarded sizeable research grants. Dr. Jerry McLarty, chief of epidemiology and biomathematics, was notified of a five-year, \$1.7 million grant from the National Cancer Institute for a lung cancer study. Biochemist Dr. Michael K. Pangburn will receive \$240,000 over a three-year period for a blood system study from the National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, part of the National Institutes of Health.

What does a grant or contract pay for? Mahoney says it provides for the hiring of technical and investigative support personnel, consultants, supplies, patient care costs, outside contractural arrangements and other operating costs such as printing and travel money to present the project at national conferences.

She reviews the researcher's project proposal and budget before it is sent to a granting agency, foundations, or private industry—such as pharmaceutical companies. Grants and contracts can go to a single investigator, a group of investigators or a group of institutions.

Applications are scrutinized by peer review, the research community's method of deciding who gets the limited resources.

"It is very important to researchers that someone also doing research will be doing this (review) and will recognize their project or work as valuable," she adds.

Based on peer review, only a certain number of grants will be awarded by an agency. While some projects are reviewed as important the limited resources of a funding agency shrink the available pool of dollars. Funding is not assured until the researcher receives an awards statement.

When a researcher changes institutions, he or she must reapply for the grant. The agency then looks at the research climate at the new institution to see if it has the credentials and resources to support the project.

Scientists, however, can't rely on agencies to provide financial backing in every case. "Because of reductions in the pool of available federal money, many researchers are looking to the private sector to aid the growth and development of the research divisions of all major institutions," Mahoney says. This new dependence on community funding is essential to our growth."

-Suzanne DuBeau



Appointments



ew people and new directions reflect the UT Health Center's recent growth. A chief of medicine was appointed to head the internal medicine divisions of cardiology, general medicine, oncology, infectious disease and various components of the large pulmonary disease service.

In addition to the new chief of medicine, five other new physicians joined the health center staff recently. Three replaced retiring physicians—Dr. Robert S. Meador, Dr. Wallace Bassett and Dr. Jesse Douglass—and two were recruited to handle increased clinical service workloads.

Three other newcomers are researchers who will work on lung-related projects.

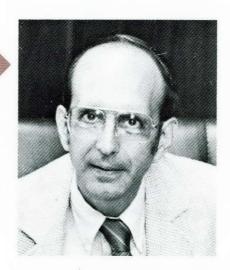


Dr. Richard S. Kronenberg, director of the University of Minnesota Hospitals' pulmonary division, was appointed chief of medicine at the UT Health Center in September.

"We feel very fortunate to have attracted a physician and administrator of Dr. Kronenberg's stature," director Dr. George A. Hurst said. "He brings to Tyler a vast amount of expertise in internal medicine and pulmonary disease."

Kronenberg went to the University of Minnesota in 1970, first as a medical lecturer, advancing up the faculty ranks to becoming a full professor and pulmonary division director in 1979.

He is a graduate of Northwestern University where he

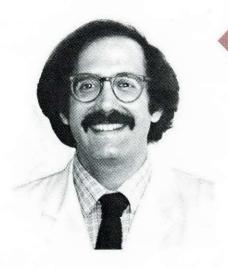


received a B.A. in 1960 and an M.D. in 1963. He interned at Parkland Memorial Hospital in Dallas and did his residency in internal medicine at University of Minnesota Hospitals.

From 1965 to 1970 he was a captain in the U.S. Air Force medical corps stationed at San Antonio and was a research fellow at the Cardiovascular Research Institute at the University of California, San Francisco.

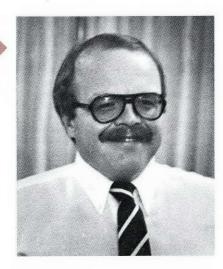
Kronenberg is board certified in internal medicine and the subspecialty of pulmonary disease.

He has served as chairman of the American Thoracic Society's fellowship review committee and chairman of the Central Society for Clinical Research's subspecialty council on pulmonary disease. He was on the editorial board of the scholarly journal, *Chest*, from 1976 until 1981.



Dr. John S. Liggett Jr., assistant professor of clinical pulmonary pediatrics, served as a clinical assistant professor of pediatrics at the University of South Dakota School of Medicine and was director of the Sioux Falls Cystic Fibrosis Center and Clinic. He is board certified by the American Board of Pediatrics and the National Board of Medical Examiners. Liggett received his M.D. degree from Jefferson Medical College in Philadelphia, completed a residency in pediatrics at Sacred heart Children's Hospital in Pensacola, Fla., and served as a pediatric pulmonary fellow at the University of Florida School of Medicine in Gainsville.

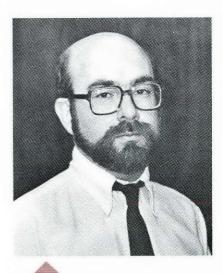
Dr. Steven Idell, assistant professor of clinical medicine, came to the health center from Temple University in Philadelphia where he served as an assistant professor of medicine and physiology and director of the respiratory intensive care unit. Idell received his M.D. degree and a Ph.D. in physiology from Temple University School of Medicine and is board certified in internal medicine and the subspecialty of pulmonary medicine. He has been awarded several research grants, including a two-year one from the American Lung Association, and will work in clinical and research areas at the health center.



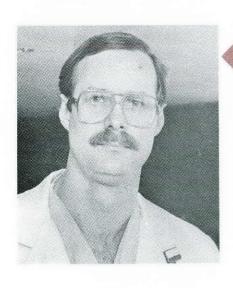
Dr. William K. Leslie, instructor of clinical medicine, is part of the health center's weekend medical staff. Leslie is board certified in internal medicine and serves as a pulmonary fellow at Louisiana State University Medical Center in Shreveport where he completed his internship and residency. He received an M.D. degree from the UT Medical Branch at Galveston.



Dr. Michael L. Peil, instructor of clinical medicine, is also on the weekend medical staff. Peil currently serves as a pulmonary fellow at Veterans Administration Hospital in Dallas and is board certified in internal medicine. He received his M.D. degree from the University of Kansas School of Medicine and completed his residency at KU Medical Center.



Dr. Kenneth M. Nugent, associate professor of clinical medicine, was on the teaching faculty and a staff physician at the University of Iowa Hospital since 1978. Nugent received his M.D. degree from Washington University in St. Louis and completed his internship and

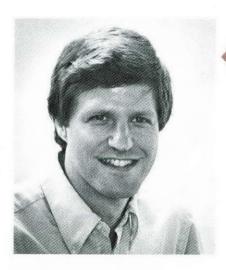


residency at University Hospital in Iowa City where he later joined the faculty. He also served as a research associate at Veterans Administration Medical Center in Iowa City. Nugent is board certified in internal medicine and in the subspecialty of pulmonary disease as well as certified by the National Board of Medical Examiners.

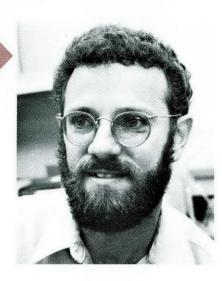


Dr. Ronald H. Yanigahara, assistant professor of clinical medicine, is a cancer specialist who had a private practice in his native Honolulu for the past year. Yanigahara has also served as a naval lieutenant commander for the U.S. Public Health Service, a research associate in the immunology section of the National Institutes of Health's National Institute on Aging and as a staff oncology physician at Kaiser Permanente Medical Center in Bellflower. Calif. He received an M.D. degree from the University of Minnesota Medical School, interned at Cedars-Sinai Medical Center in Los Angeles and completed his residency at the University of Hawaii Integrated Residency. He is board certified in internal medicine and the subspecialty of oncology.

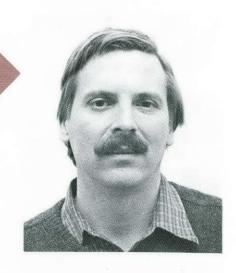
Dr. Michael K. Pangburn, research associate professor of biochemistry, is a former assistant member of the molecular immunology department at Scripps Clinic and Research Foundation in La Jolla, Calif. Pangburn received a Ph.D. degree in biochemistry from the University of Washington at Seattle before becoming an officer and immunopathology lab chief for the Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base in Ohio. Shortly after joining Scripps as a postdoctoral research fellow, he received a postdoctoral research fellowship from the National Institutes of Health and recently has been awarded an established investigator grant from the American Heart Association.



Dr. Richard G. Painter, research associate professor of biochemistry, also comes from Scripps Clinic and Research Foundation where he was a member of the immunopathology department. Painter has been a research biologist at Syntex Research Institute of Biological Sciences in Palo Alto, Calif., and a research associate at the University of California at San Diego. He received a Ph.D. in biochemistry from Duke University and later served as a NASA predoctoral fellow and a National Institutes of Health postdoctoral fellow. Painter currently holds a NIH principal investigator grant.



Dr. Barry T. Peterson, research associate professor of biochemistry, is a former assistant professor of medicine and radiation biology and biophysics at the University of Rochester (New York) School of Medicine and Dentistry. Peterson is a basic scientist who has conducted studies of microcirculation of the lungs and has been awarded grants from the National Institutes of Health and the American Heart Association. A former postdoctoral fellow in medicine at Vanderbilt University, he has an M.S. degree in physics from the University of Connecticut and M.S. and Ph.D. degrees in biophysics from the University of Rochester.



A t 48 Janie Yates first experienced the symptoms of a ''childhood disease''—asthma.

Only half of the estimated five million American adults who suffer from asthma developed the disease as children, according to the National Institute of Allergy and Infectious Diseases. In adults the chronic and unpredictable disorder is frequently severe, persistent and debilitating. It's also downright scary.

"We were in a boat in the middle of Lake Travis when I had one of my first severe attacks," recalls the former Arlington school district secretary. "For a while my husband was afraid to take me

anywhere after that."

For her, it begins with a tightening in the chest, usually followed by incessant coughing, before she

by incessant coughing, before she starts gasping for air. "Sometimes it would just hit me. It's the most frightening thing when you can't get your breath. It would scare my family to death."

During an attack an asthmatic's airways become narrowed and fill-

ed with mucus. Air gets trapped in the lungs' air sacs (alveoli). The work of breathing increases, blood oxygen falls and carbon dioxide sometimes increases.

Ten years of sleepless nights, of exhausting coughing bouts and trips to the emergency room passed before Mrs. Yates was referred and admitted to the UT Health Center at Tyler for tests. She and her husband Frank had recently moved to their lakeview retirement home at Silver Pines near Grand Saline.

During that nine-day hospital stay in August 1982, health center physician Dr. Wilbur G. Avery diagnosed reversible asthma, a condition highly responsive to treatment.

Avery, who is chief of ambulatory services and associate director for medical education, put her on a controlled daily regimen of oral drugs and a precisely administered bronchial spray.

"I've not been in bed a day because of asthma since then," says Mrs. Yates, crediting her physician's guidance and her own strict adherence to his prescription. She's working at a travel agency now and visits the health center's outpatient clinic every three months for follow-up examinations.

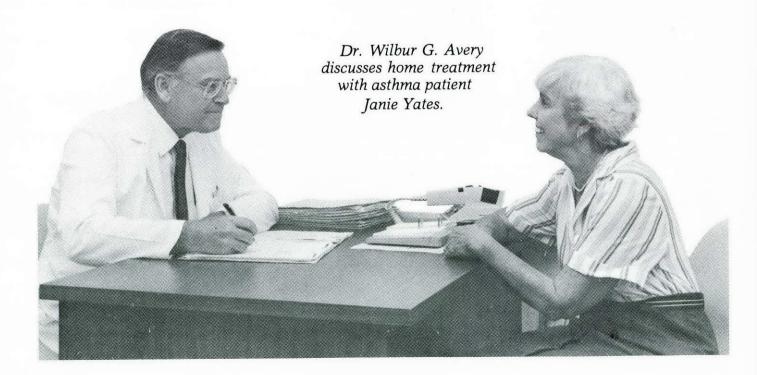
"I can't say enough good things about the health center," she adds. "My life is back to normal."

"Janie Yates is a loyal patient," says Avery. "She follows (my) orders and is doing fine on her own."

The health center's busy outpatient clinic is the first stop for many patients referred by their family physicians for further diagnosis and treatment of heart and lung problems. The progress of former hospital patients like Janie Yates can be monitored by the outpatient clinic if they elect to continue treatment here.

More patients, particularly those with respiratory diseases, are being treated in the clinic. Between September 1983 and August 1984,

On Her Own



there were 23,820 visits recorded. That's up 26 percent from last year, according to Avery, and double the number of visits six years ago. Although the clinic was expanded in the mid-1970s, additional space will be necessary by 1987 if growth continues as anticipated.

Avery cites several reasons for the recent outpatient increase, including the health center's diagnosis and treatment capabilities in cardiology as well as obstructive and other lung diseases and the growing reputation for good

patient care.

"External factors include the current emphasis on ambulatory care, stimulated to some extent by recent government regulations, but more importantly by the concept that the vast majority of medical tests can be done with less cost on an ambulatory basis. Home health care organizations and better patient education are both contributing to health maintenance. Also a factor is the realization that some patients do better at home than in a hospital environment.

"The list of indications for hospitalizing patients has been steadily shrinking," he adds. "Hospitalization is being reserved for seriously ill patients whose problems cannot be handled appropriately on an ambulatory

Two of the fastest-growing ambulatory care groups at the health center are adult cancer patients and pediatric pulmonary patients.

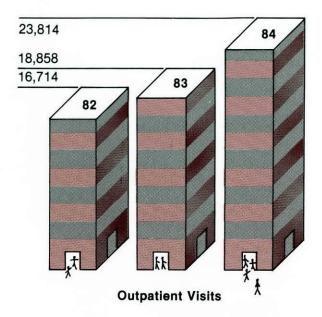
A separate outpatient oncology clinic is staffed by cancer specialists Dr. Ragene Rivera, Dr. Thomas Kummet and Dr. Ronald Yanigahara. Due to the large number of children seen by pediatric pulmonary specialists Dr. Michael R. Green and Dr. John Liggett, pediatric pulmonary services will move to an enlarged area in the 2-West section of the hospital in early 1985.

Besides Avery, Drs. Clyde Brindley, Charles Spivey and Fred Liu work in the main outpatient clinic, along with seven nurses and six clerical workers. Physicians who care for patients in the hospital also see their patients in

the outpatient clinic.

—Suzanne DuBeau

Outpatient Visits Rise



he UT Health Center at Tyler admitted 4,405 patients during the 1983-84 fiscal year, an increase of 15 percent, according to data compiled by the medical records section. The health center's fiscal year ended Aug. 31.

The largest patient category continues to be treatment of chronic respiratory disease, representing 31 percent of total admissions.

Health center planning director Terry Hargadon said historically the number of chronic respiratory disease patients and those with tuberculosis used to represent most of the health center's admissions, but have dropped significantly in recent years. Last year's admissions show CRD and TB combined represent less than 40 percent of patients admitted.

Hargadon said much of the change can be attributed to the addition of new medical services inaugurated at the health center within the past three years and because of a trend toward treating CRD patients as outpatients or through home health care services, which started last January.

Outpatient visits totaled 23,814, an increase of 26 percent over last year.

Nationally, the trend in health care is toward more ambulatory care and fewer hospital admissions. But Hargadon says the health center is experiencing an increase in both areas.

"Our admissions and outpatient visits are going up because we're providing increasingly sophisticated medical services and higher quality care. Providing in-demand services to referring physicians and patients contributes to our overwhelming growth."

Hargadon projects more than 50,000 outpatient visits annually in

five years.

In terms of numbers, the second highest group admitted continues to be cancer patients. Last year 905 patients were admitted, an increase of 12 percent.

With the addition of open-heart surgery in November 1983, the number of surgery patients increased 123 percent.

There were 657 heart patients admitted, an increase of 45 percent; 640 treated for other types of chest disease, an increase of 24 percent; and 347 were categorized as general medicine, an increase of 61 percent.

Watson Wise: The

... And out of olde bokes, in good feith Cometh al this newe science that men lere.

—Chaucer





Watson and Emma Wise

n expanded UT Health Center library was named the Watson W. Wise Medical Library at a Sept. 26 dedication ceremony and luncheon in honor of the Tyler philanthropist.

Speaker Dr. Charles C. Sprague, president of the UT Health Science Center at Dallas, said the library's dedication signified the health center's "transition from a hospital-based institution to a true educational institution."

"Tyler and East Texas will be the beneficiary of some farreaching wisdom," Sprague added. In his dedication remarks, UT Regent Tom B. Rhodes of Dallas said the library will enhance the health center's reputation for "quality patient care, innovative clinical research and effective postgraduate medical education."

Coupled with the "exciting things that are going on now in education and research," the library will aid in recruitment of researchers, added health center director Dr. George A. Hurst.

Development board chairman Isadore Roosth told the group of approximately 200 persons attending the ceremony that the library would be the "mainstay of the research and educational programs" at the health center.

"This wonderful thing the Wises are doing . . . it will live way beyond their time," Roosth added.

Wise said he felt the library was "the major need for progress" at the health center. He and his wife Emma contributed approximately 3,000 volumes of special books and journals covering biomedical research over the past decade, expanding the Library and Biomedical Information Resources

Library and the Man



Center's role as a regional medical information center interfaced with other biomedical libraries on a regional and national level.

"My interest in the UT Health Center prompted me to establish a medical library which has been badly needed for East Texas doctors," said the member of Texas Chest Foundation and the health center's development board.

"These (medical volumes) will be of great assistance to the research department and I know there are many doctors who give some time to research who will find the library most useful."



hilanthropic giving, in the words of Watson Wise, is "leaving the world a little better than you found it."

The independent oilman and investor says he enjoys exercising "the right to do for others in a great country where private enterprise is a way of life."



During his long life, Wise has supported a wealth of education and health care-related projects, the most recent being the UT Health Center's Watson W. Wise Medical Library.

He has endowed seven dialysis centers, including one in Tyler and one in Seoul, Korea. The Korean center was funded at the urging of health center physician and researcher Dr. C.H. Ahn, a native of Kyongpook.

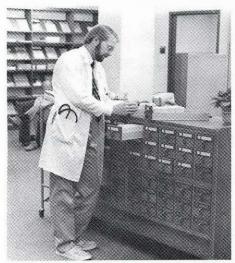
Wise has been a friend of the Tyler health center for many years. He is a founding member of the development board and a trustee of Texas Chest Foundation. The foundation raises private donations to assist in the prevention and alleviation of chest ailments of people living in Texas.

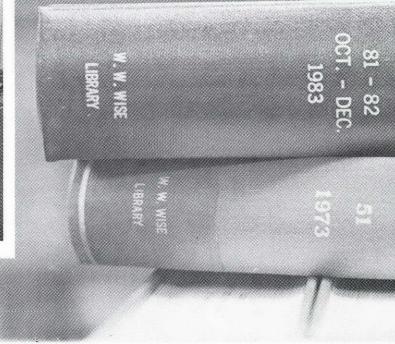
He has established the Watson W. Wise Emergency Pavilion at George Washington University Hospital in Washington, D.C., where President Reagan was treated following an assassination attempt, and the Watson Wise Emergency Pavilion at Temple's Scott and White Hospital.

Yale graduate Wise funded the Watson Wise Reading Room at his alma mater's Sealey Mudd Library. Tyler Junior College's auditorium is named for the former board of trustees president. He and his wife, Emma, also made possible the Watson W. and Emma Wise Cultural Arts Center in Tyler.

He has also served on the boards of Southwestern Medical Foundation in Dallas, the Texas Commission on Higher Education, Texas A&M University Century Council, Lone Star Steel Inc. of Dallas, Independent Petroleum Association of America, The Atlantic Council of the United States and InterFirst Bank of Tyler.







Wise unveils his portrait and plaque; a medical student consults reference file.

he behind-the-scenes story of the Watson Wise Library actually began seven years ago.

The old East Texas Chest Hospital got a new name in 1977—the University of Texas Health Center at Tyler. Dr. John Evans came to fill a new job as assistant director of the newly created medical education department. His first step in making the library a better resource for the new UT health component was to hire the health center's first certified medical librarian, Regina Harris, in December 1978.

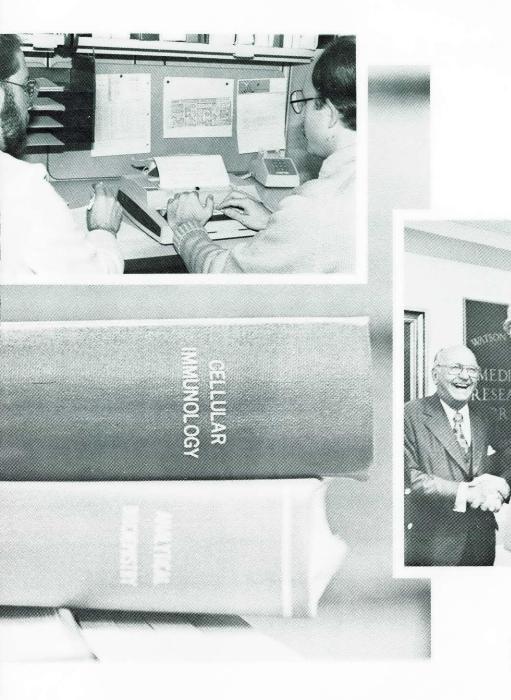
"I was hired to fulfill a dream,"

said former library director Harris, now program development coordinator of the TALON Regional Medical Library Program based at the UT Health Science Center at Dallas. "Watson Wise provided the means to fulfill it—a complete Biomedical Information Resources Center."

The 3,000-volume Wise gift of research journals augmented an already substantial clinical collection. "We didn't have the in-house collection to support the needs of a growing research emphasis and Tyler as the medical center of East Texas," she added.

The Tyler philanthropist got interested in the project through Dr. John Turner, a Tyler physician and development board member who felt area physicians would benefit from an expanded UT Health Center medical library resulting in better patient care. Harris explained that Turner also served as an intermediary between herself and Wise throughout the project.

In the fall of 1982 she reviewed existing holdings and met with associate director of research Dr. Ronald Dodson, researchers and clinicians to determine their needs. The library staff of Texas College



Computer search speeds information; Dr. Charles C. Sprague, UT Health Science Center-Dallas president, adds congratulations.

of Osteopathic Medicine provided extensive help in developing materials and sources.

By early 1983 she began soliciting bids. Dr. Allen B. Cohen, executive associate director and researcher, worked closely with Harris and Wise in identifying the journals and 10-year backfiles needed.

"Through a process of comparative shopping we were able to limit our search and finally select Jerry Adler Inc. to get the necessary backfiles of journals. Our contact, Ken Hock, was a tremendous help," Harris said.

Watson Wise and John Smith, assistant director of the UT Medical Branch at Galveston's Moody Medical Library, handled the final negotiations with the company.

To make room for the acquisition, the health center agreed to expand the cramped, 2,000-square foot library. Facility planning consultant Hillman O. McKenzie drew plans for a remodeled area of more than 5,000 square feet that includes office space, microform, media and reading rooms.

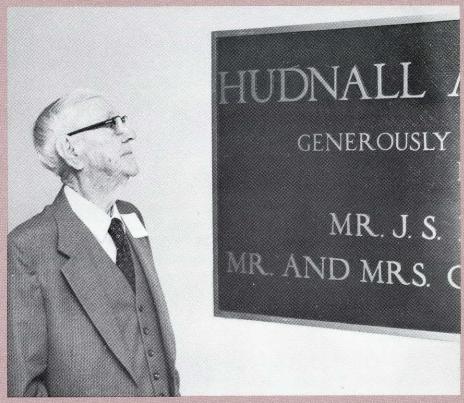
During the two years of planning, Harris said she relied heavily on the support provided by health center secretaries Lynn Buchanan and Betty Carlton and her threeperson library staff—Tom Craig (now acting director), Mary Carter and Joanne Phillips.

The dedication of the Watson Wise Medical Library and Biomedical Information Center marked a new direction for education at the UT Health Center. "The old concept of a doctors' library and a nursing collection has been abolished by today's full-service health science library," said Harris. "It's changed from a materials warehouse to a clearinghouse of information."

Texas Chest Foundation and

News

Hudnall Auditorium Dedicated



I.S. Hudnall views auditorium plaque.

T yler's J.S. Hudnall and members of his family were honored Sept. 14 at a luncheon and dedication ceremony for the UT Health Center's Hudnall Auditorium. The new name commemorates the special gift made to the health center's Mankind Research Fund by Hudnall, and his son and daughter-in-law Ogden and Joan Hudnall.

A bronze plaque with their names has been installed near the entrance to the 100-seat auditorium where medical lectures and other events are held.

"The auditorium was named in their honor as a token of our appreciation for their generous contribution to the Mankind Research Fund," said development director Tom Brogan. The Hudnall gift goes to this fund which has been established to support the health center's research programs.

"I realize these things (research) need to be financed," the senior Hudnall said. "I'm willing to help with those things I think are worthwhile and will serve the future."

Hudnall is a petroleum geologist and Tyler civic leader. He and his son have an oil and gas investment partnership and also are involved in real estate.

The former Tyler school board chairman and city planning commission member came to Tyler in the early 1930s and was a partner in the firm Hudnall and Pirtle, consulting geologists and petroleum engineers, for more than 40 years. He served as a director of Tyler Bank & Trust (now Republic Bank) for 35 years.

UT Development Board



Texas Chest Foundation president Isadore Roosth, center, presents gift certificates to the winning golf team, from left—Jay Pumphrey, Richard Jett Jr., Jimmy Wheeler, Robert E. Henry and Bobby Henry Jr. Team member Bob Herd is not pictured.

Inaugural Benefit Golf Tourney Raises \$6,000

The first annual Texas
Chest Foundation golf tournament held Aug. 20 at Tyler's Holly
Tree Country Club brought in approximately \$6,000 from 126 entrants, according to foundation executive director Grady Faulk.

The non-profit foundation will use the money to augment UT Health Center activities which can-

not be fully supported by state funds, such as employee scholarships, special equipment purchases and recruitment of medical and research staff.

Bobby Henry Jr., Jimmy Wheeler, Rick Jett, Jay Pumphrey, Bob Herd and Bobby Henry Sr. scored 55, (17 under par) to beat 20 other teams.

Gibson Named First Oil Baron

U T Health Center Development Board member and Texas Chest Foundation trustee Leon Gibson of Kilgore has been

named the first East Texas Oil Baron, an new honorary designation given in November at the annual East Texas Oil and Gas Show.

Gifts

Contributions

Memorial Gifts

In memory of Mrs. Eva Saunders—Officers, Directors and Employees of RepublicBank Tyler

In memory of Barry Harvey—Mr. and Mrs. Grady Faulk, Hillman O. McKenzie and Wyvette Thompson

In memory of Homer Carr and Mrs. Russell Hawkins—Mr. and Mrs. Grady Faulk

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In memory of Rose Marie Cross—Mr. and Mrs. Henry M. Bell Jr. and Officers and Directors of First City National Bank-Tyler

In memory of Raymond H. Hedge—Gibson Drilling Co.

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In memory of Frank Cowan—Sol Roosth & Associates

In memory of Kernel Hughes-Miss Nancy E. Lake

In memory of Bryan Allen Burt—Mr. and Mrs. Grady Faulk and Isadore Roosth & Associates

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Mrs. Sue Hester, Mr. and Mrs. Elton Wilburn, Mr. and Mrs. Mark Friend, Mrs. Eva Harris, Mr. and Mrs. Gary Sachnowitz, Mr. and Mrs. Gene Bilbrey, Mr. and Mrs. Don Hill, Ms. Virginia Jones, Mrs. Mary Lou Baungartner, Mrs. Joy Blankenship, Mr. Reggie McDaniel and Mr. Bill Butchofsky.

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Gifts

Contributions to Texas Chest Foundation

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Contributing Players

Craig Adams, William B. Adams, Rev. M.L. Agnew, Tim Alexander, Larry Barbin, Randolph Berry, David Bibby, J.J. Broussard, Harry Caserta Jr., Eddie J. Cauthron, Joe Cavender, Hardie Cazalas, Wallace Christensen, Thomas Clyde, Nelson Clyde III, Rick Coker, Richard Davis and Jack Davidson.

Gaylon Daughtry, Jim Daughtry, Edmund J. Dow, Gordon Epperson, Robert L. Edge, Robin Farrell, Robin D. Farrell, Grady Faulk Jr., Oran Ferrell III, Oran Ferrell Jr., Gerald W. Free, W.W. Freeman, John Grant, John W. Grigsby, Sam V. Guerin, George Hager, Robert E. Henry, Robert E. Henry Jr., Bob Herd, and Larry Hickman.

Warren Hoeffner, Reggie Howell, Dean E. Hudson, W.R. Hughey II, Gaylord Hughey Jr., Gerald Hurley, Philip H. Hurley, Tommy Hyde, Jerald Jones, Randy Jarvis, Richard Jett Jr., Art Johnson, Don Robert Johnson, Huey Keeney Jr., Randall D. Kidwell and Steve Knight.

Michael Landrum, Jack Langston, Wilbert Lasater, Harry Leatherwood, Dr. R. Anton Lester Jr., Tracy D. Lisner, Lee Loftis, Jerry Loggins, Ray Loggins, Les Loggins, Chad Magee, John Magee, H.J. Magner, Paul Manziel, Peter Mason, Dr. James H. McBurney and Joe McClain. C.A. McLarty III, S.P. McLarty, Gene

C.A. McLarty III, S.P. McLarty, Gene Meier, Dr. Donald G. Moreland, Caton Morris, Jerry Morris, William A. Murphy, Davis Noble, John W. Noble, Westy Noble, George Oge Jr., Reg Ormsby, Andrew Orr, Robert H. Patterson, Ben Poole, Jay Pumphrey and Rick Rayford.

Rusty Reynolds, Randall L. Roberts, Clinton R. Roxburgh, Charles Rogers, George Ruby, Rev. Ernest W. Saik, David Saleh, Joseph F. Scally, Thomas L. Seltzer, Michael J. Sheehy, Michael R. Simmons, Steve Simmons, A.E. Sizemore and Stan Smith.

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Honor Gifts

In honor of Isadore Roosth—Dr. and Mrs. George A. Hurst

Foundation Trustees and Development Board Members

The following persons are members of the Board of Trustees for Texas Chest Foundation and members of the Development Board for the University of Texas Health Center at Tyler:

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News Briefs

Open-heart surgery goal surpassed

The UT Health Center surpassed its first-year goal of 65 open-heart surgeries in October. Cardiovascular surgeon Dr. Roy L. Kingry performed the first operation here Nov. 8, 1983.

According to planning director Terry Hargadon, 150 operations a year are projected during the next two years.

The cardiology department celebrated a milestone in September, its 500th catheterization procedure since the program was inaugurated three years ago.

All of the cardiac catheterizations have been performed by cardiologist Dr. Robert M. Payne. Current staff members assisting with the special intensive diagnostic technique are Sharon Verash, Martha Bitter, Terri Fields, Camille Mullenax, Linda Williams and Lamar Pendleton.

The program started slowly, taking a year to complete the first 100. The next 100 were performed in six months.

New computer to aid records management

Over the summer the UT Health Center installed its new mainframe computer, an IBM 4381, which computer resources director Larry Rayford describes as the latest in computer technology. He said the health center has the distinction of receiving IBM's first 4381 unit installed in Texas.

Until recently the Tyler facility has relied on a combination of inhouse Texas Instrument minicomputers and remote processing capability out of the UT Regional Computer Center in Dallas. The Dallas systems are currently in the process of being installed locally, allowing termination of the remote processing requirement.

Computer resources staff are now preparing for the implementation of new patient management/patient accounting systems, expected to begin next year.

Rayford said some of the key areas in line for automation are radiology, medical record abstracts, nursing services and laboratory order entry/results reporting. Some existing systems, such as materials management, are expected to be re-written to run on the IBM computer.

Rayford said the IBM 4381 has 8 million bytes of memory, 5 billion bytes of disk storage and an internal processing speed of 2.7 MIPS (million instructions per second).

UT Health Center awarded nearly \$2 million for research

Nearly \$2 million in research grants were awarded to the University of Texas Health Center at Tyler this fall.

The National Cancer Institute will provide \$1.7 million over a five-year period for a study of two drugs as lung cancer preventative. This project will involve the treatment of a select group of former asbestos workers and other hospital patients who are highly prone to develop lung cancer.

Principal investigator Dr. Jerry McLarty, chief of epidemiology and biomathematics, said he and his colleagues hope to show that

the drugs beta-carotene and retinol-both vitamin compounds found naturally in human diets-will reduce the risk of lung cancer. McLarty said many national studies have been made using animal or cell culture models on the uses of these agents as a biochemical means for inhibiting or preventing cancer.

There is strong epidemiological evidence for the protective effects of the two drugs in humans," McLarty said, "but they have not yet been administered therapeutically to prevent cancer in humans."

McLarty said that unlike many toxic anticancer drugs, the agents that will be used in the Tyler study are thought to be safe at the planned doses. He cautioned that people should not take high doses of any vitamins themselves without the advice of their physician.

Co-principal investigator is Dr. Thomas D. Kummet, assistant professor of clinical medicine, who specializes in oncology. Others assisting in the project are Dr. Ragene Rivera, chief of oncology service; Dr. L.R. Hieger and Dr. Luis Munoz, both pathologists; and Dr. Harold James, a biochemist. Health center director Dr. George A. Hurst is an in-house consultant.

The National Institutes of Health has awarded a \$240,000 grant for the study of a bloodstream system

Computer resources staff implement new IBM mainframe.



known as complement that helps fight disease and kills bacteria, viruses and tumor cells.

Dr. Michael K. Pangburn, a biologist recruited from California's Scripps Clinic and Research Foundation last May, was notified in October of the three-year project funding from NIH's National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases.

Research at the health center focuses on new concepts relating to lung and heart diseases.

Settlement reached in employee suit

Settlement of a civil rights suit filed in 1976 by a former black employee against the East Texas Chest Hospital—now the University of Texas Health Center at Tyler—was reached last summer.

The suit—known as Hazel Roy, et al vs. University of Texas Health Center, et al—originally involved only one plaintiff, but later five additional former black female employees joined the suit. U.S. District Judge William Wayne Justice of Tyler made the case a class-action suit under Title VII of the Civil Rights Act of 1964, as amended, on behalf of all past, present and prospective black employees.

Approximately 30 percent of the health center's 950 employees are black.

Judge Justice approved the consent decree in October.

The state Attorney General's office decided to seek a settlement of the eight-year old suit instead of continuing litigation.

Dr. George A. Hurst, health center director, said the institution would continue to work toward its affirmative action goals.

"The settlement which the State has agreed to should not be construed as admitting guilt to charges raised by these former employees. However, we must and will abide by the court's ruling," Dr. Hurst said.

Under terms of the settlement, the UT Health Center has notified all present and former black employees since Nov. 26, 1972—approximately 800—that an Initial Pay Fund of \$225,000 will be made available for distributing to those who incurred lower pay than similarly situated white employees. The claims will be resolved in accordance with a formula, which both parties agreed to, that takes into account the employee's education, previous job experience, certifications, initial pay and tenure in the job.

Another \$225,000 fund, the Promotions/Terminations Fund, is being set aside to satisfy claims involving promotions and terminations of current and former black employees.

Regents authorize plans for research facility

The UT System Board of Regents has authorized the institution to prepare preliminary plans for construction of a biomedical research building that will cost an estimated \$9 million.

The board approved the appointment of a project architect to prepare plans and specifications for a 70,000 square foot research facility west of the main hospital complex.

The regents also awarded a \$986,000 construction contract to Denson Construction Co., Inc., of Tyler to build a vivarium in the vicinity of the research building. The vivarium is expected to be completed by May.

Health Center Director Dr. George A. Hurst said both facilities are needed to accommodate the institution's expanding research activities and the appointment of several clinical and basic science investigators now being recruited.

The proposed biomedical research facility is expected to be a one-story building which can be built in phases as need dictates. It will have 64,000 square feet of laboratory and related space in four separate modules connected to a central area of approximately 6,000 square feet for reception, administrative and meeting areas as well as mechanical needs.

Each of the four laboratory

modules will have approximately 16,000 feet containing eight laboratories of 1,500 square feet. Each module will have office space and common areas for equipment.

Pulmonary rehabilitation program helps disabled

Helping people cope with the lifealtering effects of chronic respiratory disease is possible through the UT Health Center's pulmonary rehabilitation program.

More than 50 people have participated in the 12-day inpatient program since it began in May, said coordinator Pat Smith. These patients have come from as far away as Midland, Big Spring and Kermit in West Texas.

Chronic obstructive pulmonary disease (COPD) ranks second only to cardiovascular disease in the number of people who become disabled. These patients often lack the physical strength—and sometimes even the motivation—to perform simple activities of daily living, so a greater dependency on family members develops.

Smith describes the health center's approach as "a team effort tailored to the individual." After initial medical evaluation by Dr. Brooke Nicotra, Dr. William Girard and Dr. Charles Spivey, the patient is admitted to 4-West under the care of Smith and seven other nurses. Patients attend classes and one-to-one sessions geared to educate, motivate and encourage them to assume more responsibility for their own care.

Physical conditioning, breathing retraining, energy-saving techniques, coping with stress, smoking cessation, dietary guidance, resuming daily activities, self-care and respiratory appliances are among the topics covered. Family members are encouraged to attend these educational sessions.

The program has been designed for physician-referred patients between the ages of 20 and 70 who have been diagnosed with COPD (emphysema, chronic bronchitis, asthma) and who are motivated to commit themselves fully to the goal of being more self-sufficient. After discharge, they are returned to the care of their private physicians but return to the health center for a six-week exercise test and monthly outpatient visits for a year.

Researchers accept graphics software gift

Issco Graphics Incorporated, a California-based company, recently presented the UT Health Center with \$43,000 computer graphics software package for use in its epidemiology and biomathematics department.

Making the grant possible was J.R. Dillon of Tyler, coordinator of the management information support group in ARCO's East Texas District. Dillon applied for the grant on behalf of the health center after learning that Issco was making a limited number of these software packages available to accredited universities through their industrial customers.

"We are grateful for this gift," said Dr. Jerry McLarty, chief of epidemiology and biomathematics. "We will use this software package on our research computer to help display and analyze data, and to create graphs and charts for use in publications."

The graphics software system is a high-level subroutine plotting

language that provides a production tool for scientific programmers to generate charts, graphs and other visual reports in color.

The health center's epidemiology and biomathematics department gathers statistical data to help determine the causes of lung and heart disease.

Dodson participates in Oxford workshop

Dr. Ronald F. Dodson, UT Health Center assistant director for research, was one of four U.S. scientists who participated in an international workshop on the assessment of mineral content in human lungs Sept. 17-20 in Oxford, England.

Dodson, who also is chief of cell biology and environmental sciences at the health center, said his invitation was based on his research group's involvement in the study of occupational lung diseases, such as those of asbestos workers.

The subject of mineral content in human lungs is of considerable importance in many medical and legal cases all over the world, according to the chairman of the organizing committee, professor J.M.G. Davis, of the Institute of Occupational Medicine, Edinburgh, Scotland.

The workshop was co-sponsored

William Gonzalez of Kilgore, Laura Conner of Daingerfield, and Dorothy Stockton (far right) of Kermit are congratulated by pulmonary rehabilitation coordinator Pat Smith on their graduation from the program in May.





Pattie Harris

by NATO and included scientists from England, Scotland, Norway, Germany, France and other European centers of occupational medicine.

Dodson said the workshop was designed to establish more international collaboration and standardization for assessing airborne mineral fibers found in lung specimens.

UT Health Center appoints social services director

Pattie Choice Harris, an assistant supervisor of adult social services for the Texas Department of Human Resources in Tyler, was appointed director of social services at the University of Texas Health Center at Tyler in October.

Harris replaces department director Juanita Delaney, who retired last January. James Lewis served as acting director following Delaney's retirement.

The Gladewater native received a B.A. degree in sociology and psychology from North Texas State University in 1971 and an M.S. degree in social work from the University of Texas at Arlington in

Harris joined the state human resources department in 1971 as a caseworker when the agency was called the Texas Department of Public Welfare. From 1978 to 1980 she served as a social services supervisor, responsible for the student field placement program in the northern section of Public Health Region 7.

While completing her studies at UT Arlington, Harris worked as a medical social service intern at the health center.

She lives in Gladewater with her husband Rass Harris.

Published Research

The following is a list of scholarly journals which have recently published or are about to publish research papers written by research and clinical faculty at The University of Texas Health Center at Tyler. Authors from the UT Health Center at Tyler are in bold.

Antimicrobial Agents and Chemotherapy, "Susceptibility of Mycobacterium fortuitum biovariant fortuitum and the unnamed third biovariant complex to heavy metal salts," by L.C. Steele, J.M. Swenson, S.I. Hull

and R.J. Wallace.

Archives of Internal Medicine, "Disseminated disease due to Mycobacterium chelonei treated with amikacin and cefoxitin: Absence of killing with either agent and possible role of granulocytes in clinical response." (in press) by J.L. Carpenter, M. Troxell and R.J. Wallace.

Archives of Virology, "Verapamil Inhibits Influenza A Virus Replication," by J.D. Stanley and K.M. Nugent.

Journal of Cell Biology, "Rapid Modulation of N-formyl Chemotactic Peptide Receptors on the surface of human granulocytes: Formation of High-Affinity Ligand-receptor Complexes in Transient Association with Cytoskeleton," by A.J. Jesaitis, J.R. Naemura, L.A. Sklar, C.G. Cochrane and R.G. Painter.

Cell Membranes: Methods & Reviews, "Neutrophil Chemotaxis", (in press) by L.A. Sklar, A.J. Jesaitis and R.G. Painter.

Computers in Cardiology, "Simplified right ventricular volume algorithm using one digitized view and transducer tilt angle," (in press) by J.C. Buckey, J.M. Beattie, F.A. Gaffney, J.V. Nixon and C.G. Blomqvist.

Experimental Cell Research, "Centripetal Myosin Redistribu-

tion in Thrombinstimulated Platelets: Relationship to Platelet factor 4 secretion' (in press) by M.H. Ginsberg and R.G. Painter.

Federation Proceedings, "Activation of Neutrophils by N-formyl Chemotactic Peptides," by C.G. Cochrane, M. Schmitt, A.J. Jesaitis, L.A. Sklar and R.G. Painter.

Infection and Immunity, "Pseudomonas aeruginosa" Clearance in Mice: Comparison of Tissue, Strain and Corticosteroid Effects, by Edward L. Pesant, Charles Cox and K.M. Nugent.

Journal of the American College of Cardiology, "Maximal vascular conductance and exercise capacity in middle-aged human subjects before and after intense swim training," by W.H. Martin, J. Montgomery, P.G. Snell, J.C. Buckey and C.G. Blomqvist.

Journal of the American College of Cardiology, "Right ventricular volume in-vitro by two-dimensional echocardiography using a new mathematical method," by J.C. Buckey, J.M. Beattie, F.A. Gaffney, J.V. Nixon and C.G. Blomqvist.

Journal of Infectious Diseases, "Adverse Effects of Chlorpromazine on Murine Host-Defense Responses against Infection with Candida albicans," by N. Wood and K.M. Nugent.

Journal of Infectious Diseases, "Pulmonary Clearance of Candida albicans in Neutropenic Mice," by John M. Onofrio and K.M. Nugent.

Journal of Leukocyte Biology, "Intralipid Effects on Reticuloendothelial Function," by K.M.

Nugent.

Postgraduate Medicine, "The Increasing Role of Betalactamase Producing Organisms as Causative Agents of Respiratory Tract Disease: The Decline and Fall of Penicillin?" by R.J. Wallace.

1984 Abstracts

American Society for Microbiology, "Heavy Metal Resistance in Mycobacterium fortuitum and its potential as a plasmid related mechanism," by R.J. Wallace, L.C. Steele and D.L. Brooks.

American Thoracic Society, "Serotypes and colony morphology of Pseudomonas aeruginosa in adults with chronic pulmonary disease," by D.R. Nash.

American Thoracic Society, "Beta-lactamase activity in sputa containing Haemophilus influenzae or Branhamella catarrhalis," by R.J. Wallace, L.C. Steele and D.L. Brooks.

Interscience Conference on Antimicrobial Agents and Chemotherapy, "Development of bactericidal antibody during Branhamella catarrhalis infection," by A.J. Chapman, M.M. Musher, S. Jonsson, J.E. Clarridge and R.J. Wallace.

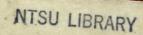
Book Chapters/Monograph Series

The Regulation of Leukocyte Function, "The formyl peptide receptor: A comparison of the kinetics of ligan/receptor interactions receptor pressing and cellular responses," By L.A. Sklar, A.J. Jesaitis and R.G. Painter, in Contemporary Topics in Immunobiology.

"The Pathology of Pulmonary Calcitonin," by K.L. Becker, O.L. Silva, R.H. Snider, C.F. Moore, G.W. Geelhoed, D.R. Nash, W.J. O'Neill, R.J. Fink, T.M. Murphy, E.M. Klass and P.K. Rohatgi, in *The Endocrine Lung in Health and Disease*.

"Mycobacterium kansasii", by C.H. Ahn and G.A. Hurst, in Current Therapy of Respiratory Disease 1984-1985, ed. Reuben Cherniack.

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