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The UT Health Center's Family Practice Residency Program, the first post-graduate residency program in East Texas, is off to a good start. On the cover, Dr. Paul Wright, family practice's associate director, examines a patient as residents, Drs. Bruce Nelson and Julia Hwang, observe.



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Rita Nute
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Erwin Hiltcher, Rita Nute
Photographers

Deidre Hull
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Typesetting

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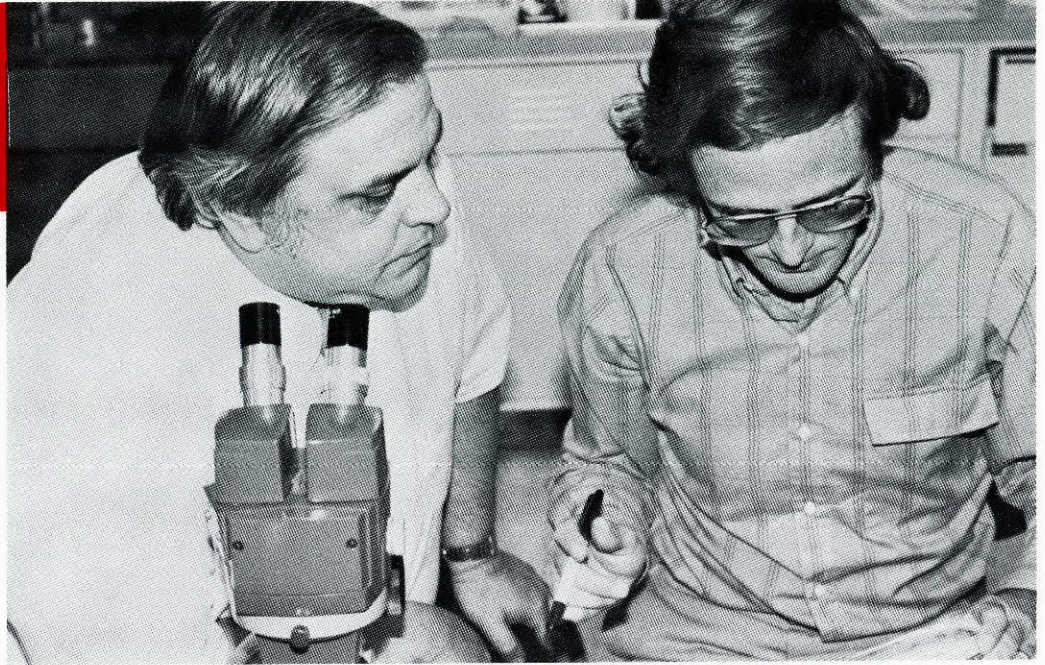
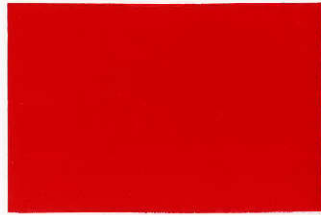
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Rita Nute

Dr. Donald Nash, left, and Dr. Richard Wallace Jr. compare notes.

M

YSTERY OF A DISEASE

UT HEALTH CENTER RESEARCHERS PRESENT FINDINGS AT INTERNATIONAL CONFERENCE IN ENGLAND ON BRANHAMELLA CATARRHALIS

When 80 physicians and scientists from 17 countries met last fall in England to discuss a bacterium whose medical importance as a cause of lung and ear infections was discovered less than 10 years ago, two University of Texas Health Center at Tyler research investigators were there.

Dr. Richard J. Wallace Jr. and Dr. Donald R. Nash were among four speakers from the United States invited to share the results of their clinical and scientific observations on a bacterium called *Branhamella catarrhalis*.

In its role as a potential pathogen, according to recent studies, this organism can be an important cause of middle ear infections in children and lower respiratory tract infections in adults.

Scientists say the most alarming

aspect of *Branhamella catarrhalis*, however, is its ability to produce an enzyme called beta-lactamase, which protects the bacterium from commonly used antibiotics such as penicillin.

"In a hospital such as the UT Health Center at Tyler, which is involved primarily in the care of patients with pulmonary diseases, *Branhamella catarrhalis* is a very significant and, unfortunately, potentially dangerous pathogen," Wallace said. "For patients who already have an underlying lung disease, getting an infection with this organism can make their lung disease worse."

Joining pediatric and pulmonary disease specialists from the European countries and from countries as far away as New Zealand and Japan, Wallace and Nash described their latest findings at the Tyler treatment and research center.

Wallace presented recent clinical observations on the incidence of *Branhamella* infections while Nash reported the results of his studies on the characteristics of the beta-lactamases produced by this organism.

At the present time, there are only three institutions in the U.S. involved in *Branhamella catarrhalis* research: the University of Pittsburgh School of Medicine, the Cleveland Metropolitan General Hospital and the UT Health Center at Tyler.

The symposium, devoted exclusively to studies of *Branhamella catarrhalis*, was sponsored by the Beecham Pharmaceuticals research division and took place on an English estate about 50 miles south of London.

"The rural surroundings and informal setting provided an ideal atmosphere for research investigators having a common interest to

share their experiences through continuous discussion and often friendly debate," Wallace said.

As a physician who is also chief of microbiology and associate professor of clinical medicine, Wallace has been conducting clinical studies of adult patients with lower respiratory tract diseases—such as emphysema and chronic bronchitis—for several years, the past three at Tyler.

"We are trying to see how common *Branhamella* is and how many of our patients actually carry these bacteria," Wallace said.

Other Tyler researchers involved in these clinical studies are health center physicians Dr. Brooke Nicotra and Dr. Manuel Rivera and medical technologist Ileice Luman. Results of their findings will be published in the *Archives of Internal Medicine*.

"Five percent of all sputum cultures submitted to our laboratory contain *Branhamella catarrhalis*," Wallace said. "Our studies show that the infections favor adult patients with other lung diseases but also tend to be seasonal, occurring primarily during the winter months where the incidence of *Branhamella* positive sputum can be as high as 20 percent of sputa that grow a pathogen.

"It is clear from our observations that *Branhamella* is a rare finding during the summer and is almost exclusively associated with respiratory tract infection during the winter," Wallace said.

He said similar observations were reported from widely separated countries such as New Zealand, Scotland and Sweden.

"During the symposium," Wallace said, "it became clear the infections with *Branhamella* are most often associated with other lung diseases, particularly emphysema, asthma and chronic bronchitis. It is not an organism readily isolated from healthy people, but for someone whose lung is functioning at about 50 percent or less of its normal capacity a little infection (in this patient) is a dangerous thing," he said.

The UT Health Center is one of three U.S. institutions involved in studying this penicillin-resistant bacterium which makes lung diseases of asthma, emphysema and chronic bronchitis patients much worse.

Dr. Nash, associate director of microbiology and research associate professor of immunology, sees another problem. "What makes infections with these organisms so insidious is their ability to produce beta-lactamase. Prior to 1977, production of beta-lactamase by *Branhamella* was a rare occurrence and infections were easily treated with penicillin.

"Our studies have shown that 75 percent of all *Branhamella* recovered from the sputum of patients at the health center are actively producing this enzyme and treatment with penicillin and similar antibiotics is ineffective," Nash said.

When left untreated in patients already debilitated with some form of lung disease, that accompanying disease could worsen, he said.

With the help of microbiology's senior research scientist Vincent Steingrube, Nash has been characterizing beta-lactamases from *Branhamella* and studying the role of this enzyme in bacterial resistance to penicillin and penicillin-like antibiotics.

To overcome the problem of penicillin resistance, Wallace has been studying the clinical value of a new drug.

"This drug, Augmentin, combines one of the penicillins (Amox-

icillin) with a second drug, potassium clavulanate, that inhibits beta-lactamase. When given orally the inhibitor binds with beta-lactamase in such a way as to block the destructive effect of the enzyme and prevent the inactivation of the penicillin. The combination of Amoxicillin and the enzyme inhibitor appears to be an excellent drug for treatment of beta-lactamase producing strains of *Branhamella*," Wallace explained. Results of this work were published in a national medical journal earlier this year.

"Because the pathogenicity of *Branhamella* abruptly surfaced less than 10 years ago, it is uncertain whether we are dealing with a cyclical occurrence, as often happens with influenzae, or the debut of a disease which could become more significant in the future," Wallace said.

There are other possible reasons for the only recent "discovery" of *Branhamella* as a pathogen, some of which involves the presence of a scientific and inquiring mind at the right place and the right time.

Major scientific finds are often overlooked by unsuspecting individuals, allowing astute scientists like Sir Alexander Fleming, the first to describe the antibiotic properties of penicillin, to make their discoveries, Wallace said.

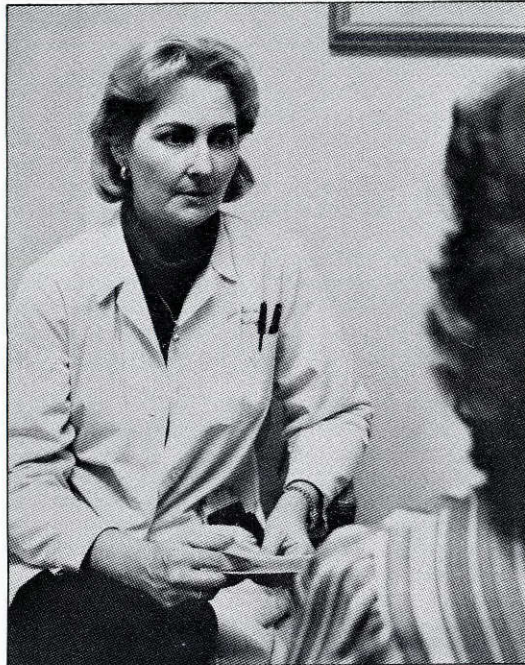
"Chance favors only the mind that is prepared"—Valery-Radot's comment written in praise of Louis Pasteur—is a maxim for researchers like Wallace and Nash.

"We believe that," Wallace said. "We believe that it is no accident that some individuals will interpret observations previously made by others who failed to link significance to unexpected observations."

Wallace, who has an M.D. degree from Baylor College of Medicine, is a recognized authority on bacterial resistance and respiratory infections. He and Nash, who has a Ph.D. from the University of North Carolina, have been working as a team in the UT Health Center's microbiology laboratory for the past two years.



Breast Diagnostic Center



Dr. Ragene Rivera consults with patient.

Opening of new center mainly for women a success

Since the University of Texas Health Center opened its Breast Diagnostic Center in October, an average of eight women per day have sought physical examinations and instructions on self-breast examination.

About 95 percent of the patients—women who live in Tyler, Longview, Arp, Kilgore and other East Texas cities—have obtained mammograms, the low dose X-ray diagnosis.

While breast cancer strikes one of every 11 American women and ranks as the second leading cause of death among women 40 to 44 years of age, the Breast Diagnostic Center is a response to a growing

need, Dr. Ragene Rivera, chief of oncology service, said.

Early detection through routine self-breast examination, physical examination and mammograms is the key to an increased survival rate, Rivera said.

Of the more than 220 women who have been admitted to the Breast Diagnostic Center during its first three months, one—a 60-year-old Pittsburg woman—has received a mastectomy at the health center. Another patient—a 45-year-old Henderson woman—was admitted as an inpatient to receive further testing of a suspicious breast mass.

Although a number of benign

breast disorders can cause a lump to appear, a woman should not ignore or downplay the importance of breast symptoms, Rivera said.

Ignoring the symptoms out of fear or anxiety could cost a woman her life.

The Breast Diagnostic Center which is located on the hospital's fourth floor (unit B) has a direct phone line (877-9194) and direct access. Appointments can be made directly or upon referral from a physician. The hours are from 8 a.m. to 4:30 p.m. weekdays. The center's opening Oct. 21 coincided with the National Breast Cancer Awareness Week.

The UT Health Center program

features patient education, instruction in self-examination, physical examination and mammography X-ray examination, if needed. There are two examination rooms and an education room.

Health center nurse Jean Pool, who was trained and certified in self-breast instruction at UT's M.D. Anderson Hospital in Houston, explains the risk of breast cancer and provides instruction on how to perform self-breast examination.

"We certainly see a lot of women who have fibrocystic breast disease, and they need a lot of reassurance because sometimes it's very hard for them to understand why they have a lump in their breast and it's not cancerous," Rivera said.

When patients are admitted to the Breast Diagnostic Center, the nurse conducts a personal interview, reviewing family history and personal breast problems because women with the highest risk of developing breast cancer are those with a family history of cancer or a previous record of breast cancer.

Development Board member Willie Lee Glass cuts ribbon at ceremony celebrating the opening of the Breast Diagnostic Center in October.



"Risk increases with age and is higher for women who have never had a child or who bore the first child after age 25," Rivera said.

Mammography, the process of taking an X-ray picture of the breast using a low voltage to keep radiation exposure to a safe minimum, is an important aspect of the program. Rivera said every effort is made to provide an analysis of examination within 24

hours to the patient directly or to her physician.

"The center is very female-oriented. We have a female physician and a female radiologic technologist to do the mammography," said oncology service's nursing care coordinator Kathy Thames. "I think this reduces the anxiety some women may feel."

—Rita Nute

Patients Praise Quality of Care

Responses to a questionnaire sent to all UT Health Center patients discharged in September are quite favorable about the hospital's quality of care, says planning director Terry Hargadon, who conducted the survey.

"It's amazing how positive the results were because they could respond anonymously," Hargadon said. "The survey speaks well for the employees and the quality of care we are providing."

Questionnaires were mailed to 316 former patients discharged in September. As of early November, 138 or 44 percent had been returned. The sampling ranged from full-paying patients to indigents.

"The answer I am most impressed with is answer number six. Every patient responding would prefer to come back here if they need medical care again," Hargadon said. "This is the best result I have seen in my 15 years working in a hospital environment."

UT Health Center Patient Survey

- How would you rate the quality of care you received?

| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
| 111 | 26 | 1 | 0 |
- Were you treated courteously by health center employees?

| Yes | No |
|-----|----|
| 137 | 0 |
- Were your meals

| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
| 55 | 64 | 16 | 1 |
- Did the facilities appear modern and clean to you?

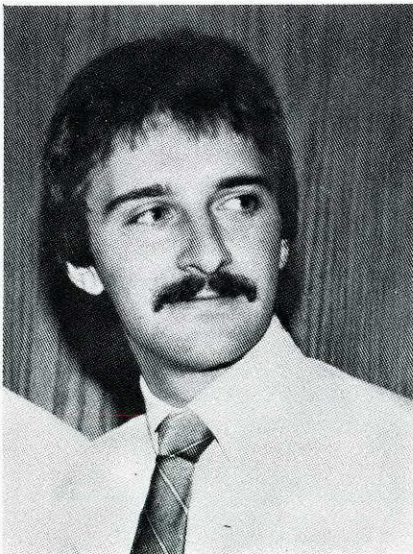
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
| 102 | 35 | 1 | 0 |
- Was the nursing service

| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
| 111 | 26 | 1 | 0 |
- If you needed to be hospitalized again, would you prefer to be a patient at the UT Health Center?

| Yes | No |
|-----|----|
| 137 | 0 |

PRACTICE MAKES PERFECT

To provide multifaceted primary care requires the diverse skills of many medical specialties.



Rita Nute

Dr. Tony Keeble

“To me family practice medicine is the ultimate in primary care because we are able to deliver basic care to a broad range of patients with various problems.”

Activity at the UT Health Center’s Family Practice Center, which opened last summer, is like a busy doctor’s office. The family practice nurse scurries from one examination room to another. Nearby two young physicians listen intently as a seasoned doctor in the role of mentor reviews a patient’s chart and X-ray and then discuss the findings.

What is being witnessed is a Family Practice Residency Program, the first post-graduate training program in East Texas, in operation. Six medical school graduates made the decision last year to specialize in family practice.

The UT Health Center provides medical training in internal medicine, cardiology, pulmonary pediatrics and other specialties, says the director Dr. William St. Clair.

Residents receive additional training on a rotation basis in trauma medicine from Tyler’s Medical Center Hospital, general surgery at Mother Frances Hospital

in Tyler and Medical Center, gynecology/obstetrics at Jefferson Davis Hospital in Houston, and pediatrics at Titus County Memorial Hospital in Mount Pleasant.

After long hours in the laboratory and classrooms learning the latest in general medicine, the six residents now spend time with patients in the Family Practice Center learning how to take care of individuals and families on a regular basis.

The Family Practice Center offers health center employees and their dependents who are accepted as patients the basic primary care services, including general medical care such as health maintenance, educational services relating to maintenance and disease avoidance, acute care for medical problems and long-term care for problems requiring ongoing management.

The center has six examining rooms, and one resident on call each night to give medical advice



Erwin Hiltcher

Dr. Paul Wright (pointing) and residents (left to right) Drs. Tony Keeble, Bruce Nelson and Steve Hensel study X-rays.

“We have only scratched the surface of the training potential of this facility.”—Dr. William St. Clair

concerning care in the Family Practice Center.

“We have only scratched the surface of the training potential of this facility,” said St. Clair who chose family practice medicine 25 years ago to care for the total person rather than to concentrate on a particular disease or illness.

“Our goal now is to develop the potential of our area and this institution to offer complete training to primary care physicians,” he said.

“Family practice residencies in Texas provide a lot of indigent health care,” St. Clair said. “I’d like to see our institution through our residents and in cooperation with others like the Smith County Medical Society and the Smith County Health Department increase and improve health care for all indigent patients,” he added. “We have received good support throughout the medical community. Several physicians from the

East Texas area are assisting with the program.

“The Family Practice Residency Program is fortunate to have medical staff who serve as role models as well as instructors,” he said.

Dr. Paul W. Wright, a member of the health center medical staff since 1981 and board certified in family practice, is the program’s associate director.

Other staff members are Carol Kennedy, nurse; Brenda Jones, executive secretary; and Susan Gottschalk, receptionist.

“We’re also fortunate to get the quality of residents that we did. These young people chose our residency program after the national resident match closed, knowing we were a new program,” St. Clair said.

The residents have diverse backgrounds. One is from Chicago. Another is from Deep East Texas. There’s one woman among the

group. They all have one goal: to provide primary care to their patients.

Upon completion of the residency, the physicians will be eligible to take the American Board of Family Practice’s certification exam.



Dr. Alan Bickel

Profiles: Family Practice Residents

STEVE HENSEL, M.D.

A Chicago native, Dr. Steve Hensel finds the tall pine trees of East Texas quite a contrast to the skyscrapers of the windy city.

Despite his big city background and the fact that family practice programs are usually aimed at training physicians for rural areas with shortages of medical care, Hensel chose family practice medicine as a residency.

"Family practice gives you a nice broad spectrum of things to see and study," said the graduate of North Texas State University and the UT Medical Branch at Galveston.

Rather than choose a career in research, Hensel put his science acumen to a different challenge: family practice medicine.

"I hate sitting in a lab all day. I like to talk to people and try to understand their problems."

"I especially like the work in the intensive care unit because so much is happening. One must be able to think and respond quickly. There are so many critical decisions to make. I like that challenge."

Hensel plans to establish a practice in northeast Texas.

Hensel lives in Tyler with his wife Patty, who is a budget analyst at a Tyler bank.

TONY KEEBLE, M.D.

Providing continuative care to individuals and families is what Dr. Tony Keeble enjoys about family practice medicine.

The Texas A&M University undergraduate received his M.D. degree from UT Health Science Center at Dallas/Southwestern Medical School.

Before graduating from medical school, Keeble decided family



Rita Nite

Dr. Julia Hwang

practice medicine would give him an opportunity to treat every member of a family and help family members practice healthy living.

Family practice has advantages over other medical specialties, he said.

"We have a broad base of knowledge for use in diagnosing any problem, but if we can't handle a medical problem we need to refer the patients elsewhere," said Keeble, who made the decision to attend medical school while in high school.

"To me family practice medicine is the ultimate in primary care because we are able to deliver basic care to a broad range of patients with various problems."

Of all the areas of medical training in the residency program, Keeble said he is enjoying obstetric care the most.

He plans to locate a family practice in northeast Texas. He and his wife, Robin, live in Tyler.

JULIA HWANG, M.D.

The age of six may seem a bit young to set a career goal, but

that's when Dr. Julia Hwang told her mother she wanted to be a doctor.

Although petite—barely five feet tall—and looking much younger than her age, Dr. Hwang has no trouble being taken seriously. She speaks confidently of her medical career and goals she's set for herself.

She earned her credentials at a time when women in medicine are no longer a novelty. About 30 percent of her graduating class at the University of Kansas Medical School at Kansas City were women.

"It is definitely more acceptable for women to enter medicine now if the woman has the intelligence, motivation and ambition," she says.

Her parents provided motivation and encouragement. "My father is a psychiatrist and although he wanted me to choose psychiatry he was happy with my decision to choose family practice medicine," Hwang said.

"Basically, I believe there are too many specialists in medicine," Hwang said of her choice. "Patients need primary care physi-

“I chose family practice because it suits me best. I’m the kind of person who likes to do a little bit of everything.”

—Dr. Gary Vollenweider

cians. Primary care should be emphasized for a lot of different reasons. Chief among them is economics,” she said.

“With health care costs rising and the government unable to continue spending as it has in the past, family practice medicine can provide quality care for the total family and reduce the added costs of seeking specialty care,” she said.

Hwang eventually hopes to locate a family practice in Texas. “I like Kansas, but it’s much warmer here,” she said, smiling.

BRUCE NELSON, M.D.

Working as a physical therapist to finance his college education, Dr. Bruce Nelson enjoyed helping the patients in therapy.

“But I became frustrated that I was limited in things I could do to help because I was not a doctor,” Nelson said.

After graduating from UT Austin, the family practice resident received his medical degree from the UT Health Science Center at Houston School of Medicine.

Today, walking down the hospital corridor to the Family Practice Center, Nelson passes one of his patients, a health center employee.

“How’s the stomach doing now? Remember to take your medication, but most of all....”

“I remember, Dr. Nelson,” the patient interrupts and smiles. “I’m learning how to handle stress to keep my stomach in shape and my ulcer under control.”

Picking up a chart in the center’s reception office, Nelson observes: “We have the best opportunity for

follow-up that you can imagine. We see our patients not only here in the center but in the hospital corridors.

“That’s good for the patient, and that’s good for us.

“In addition, I’ve found that communication is important in dealing with patients. When people are sick, their defenses are down and they’re vulnerable,” he said. “They want and need our help.”

The Orange, Texas, native plans to practice in East Texas. He is single.

GARY VOLLENWEIDER, M.D.

“Dr. Vollenweider, can you talk to a patient on line one about some medication?” the Family Practice nurse asks.

Vollenweider picks up the telephone and after asking the patient a few questions, gives some medical advice and a megadose of reassurance.

“I chose family practice medicine because it suits me best. I’m the kind of person who likes to do a little bit of everything.”

While attending Baylor University in Waco as an undergraduate, he had several jobs to help defray college costs. He did commercial refrigeration repair, roofing and carpentry work.

“Since I was very good at physics and mathematics in high school, I first thought about engineering as a career. But I decided I wanted to go into medicine,” said Vollenweider whose mother is a nurse.

Before graduating from UT Health Science Center at Dallas/Southwestern Medical School, Vollenweider knew he wanted to enter a family practice residency program.

“Solving puzzles, identifying symptoms, searching for solutions—particularly in medicine—and making the right diagnosis are what I find intriguing,” he says.

He and his wife, Wanda, a bilingual instructor in Tyler public

schools, want to remain in East Texas after he completes his residency.

ALAN BICKEL, M.D.

Family practice training is diverse, covering many areas of medicine in which the resident physicians must learn. For some, it may introduce them to something they would prefer to specialize in.

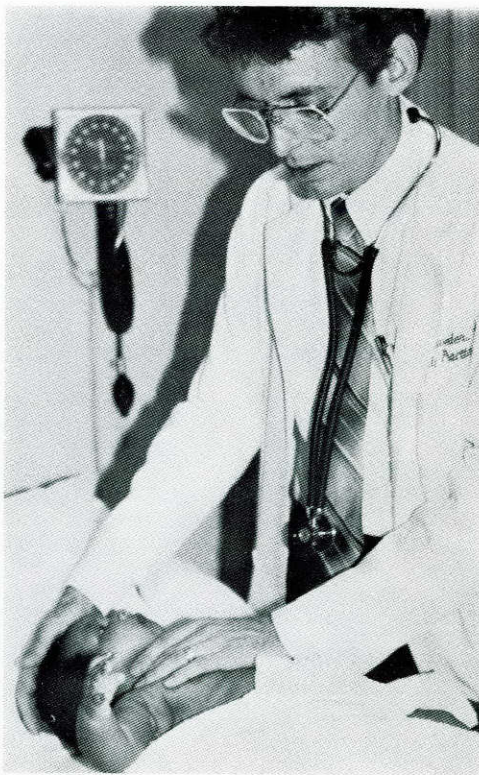
This happened to Dr. Alan Bickel, one of six residents who came to Tyler last summer. Six months into the program, he decided he would rather train in surgery with a subspecialty in urology.

After completing his first year of residency here at the UT Health Center, the Irving native now plans to begin a new residency at a Shreveport hospital.

“Medicine is a good profession,” says the graduate of Texas A&M University School of Medicine. “You get to talk and counsel with people all day. But best of all it’s intellectually stimulating.”

Bickel is married. His wife, Randine, is a registered dietician.

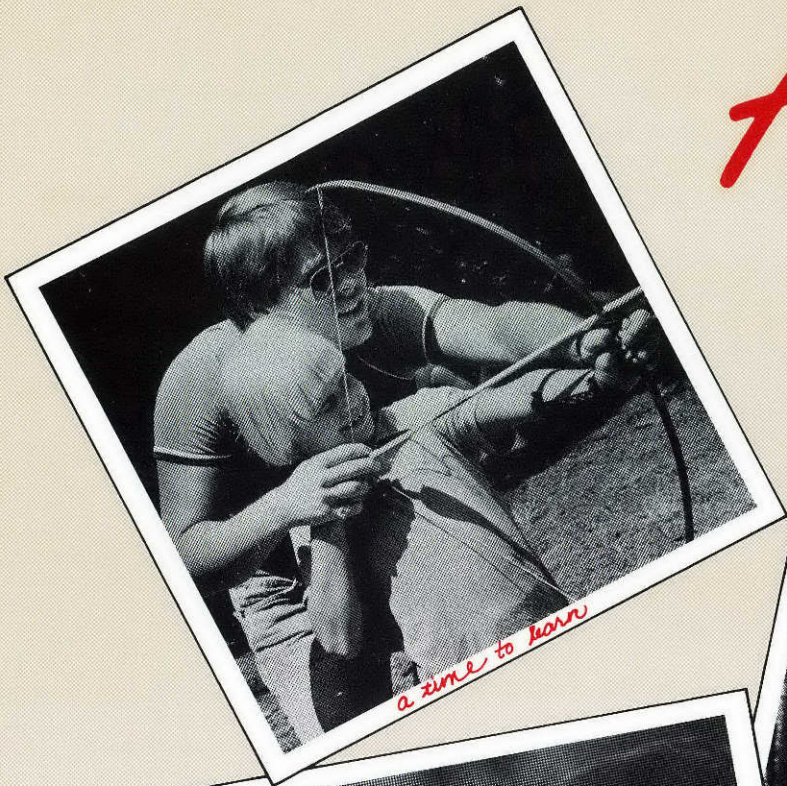
—Rita Nute



Dr. Gary Vollenweider

Rita Nute

A Time of



a time to learn



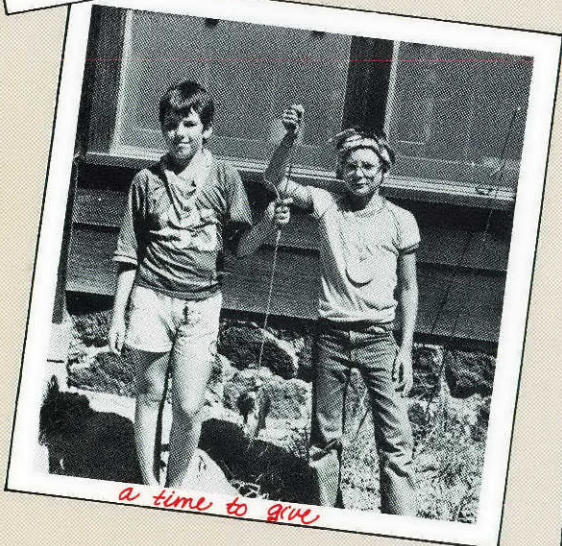
a time to build



a time for friendships



a time to feel



a time to give



a time for fun

Their Lives!

First Texas Asthma Camp a hit with area youngsters

Plans are already gearing up to make the second annual Texas Asthma Camp scheduled from June 29 to July 4 the best camp ever.

The first asthma camp co-sponsored by the University of Texas Health Center and Texas Chest Foundation was held in June of last year at Lake Tyler. The special camp is designed to give asthmatic youngsters, age 7 to 14, a chance to enjoy camping despite their health problems.

Swimming, crafts, sports, nature studies, canoeing and campfire singalongs were among the activities held.

The camp successively achieved the primary goal of teaching youngsters independence and being able to share health problems with other children, according to camp resident director Betty Tirey.

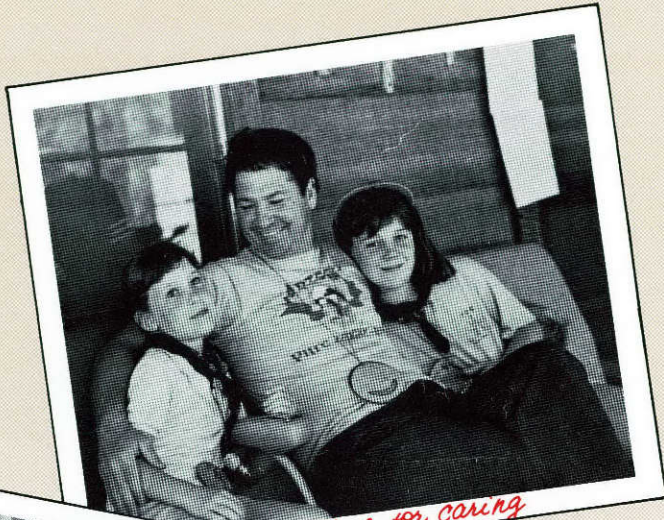
Dr. Michael Green, pediatrics pulmonary specialist at the health center, was the camp's medical director and resident physician in the 24-hour medical clinic. Assisting Dr. Green were pediatric nurse Joni Hurst and pharmacist Brien Woodson, both at UT Health Center.

Volunteer resident counselors were respiratory therapy students from Tyler Junior College. Many of last year's counselors are planning to return, but additional volunteers are being sought, Tirey said. "With additional help, we may be able to open the camp to 75 children," she added.

"The tuition is \$75 per child, but the operation costs are actually \$125 to \$130 per child. The support from pharmaceuticals and private sources in the community make it possible to keep the tuition low," she said.

For more information about the Texas Asthma Camp, contact Betty Tirey at 877-3451, ext. 4075 or write Texas Asthma Camp, The University of Texas Health Center at Tyler, P.O. Box 2003, Tyler, Texas 75710.

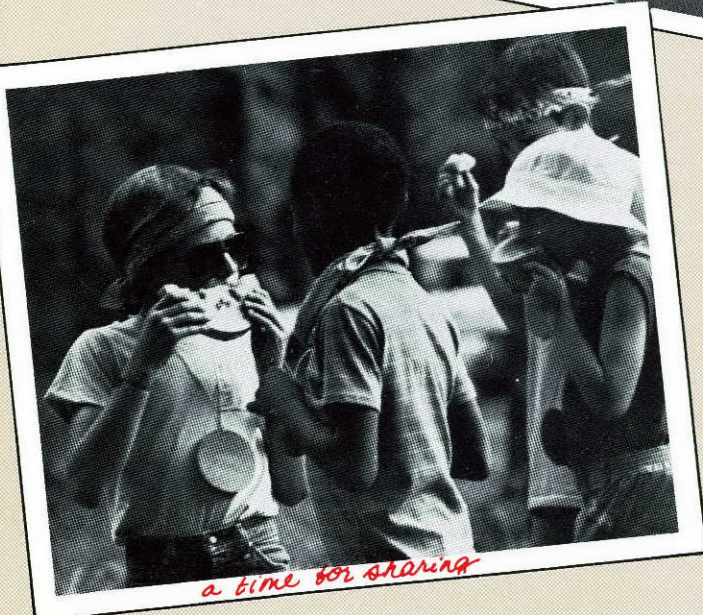
Photos by Jodie Tirey



a time for caring



a time for living



a time for sharing

Next camp: June 29-July 4 10

AN AMERICAN FIRST

Health care technician here is first U.S. woman to be certified in clinical engineering.

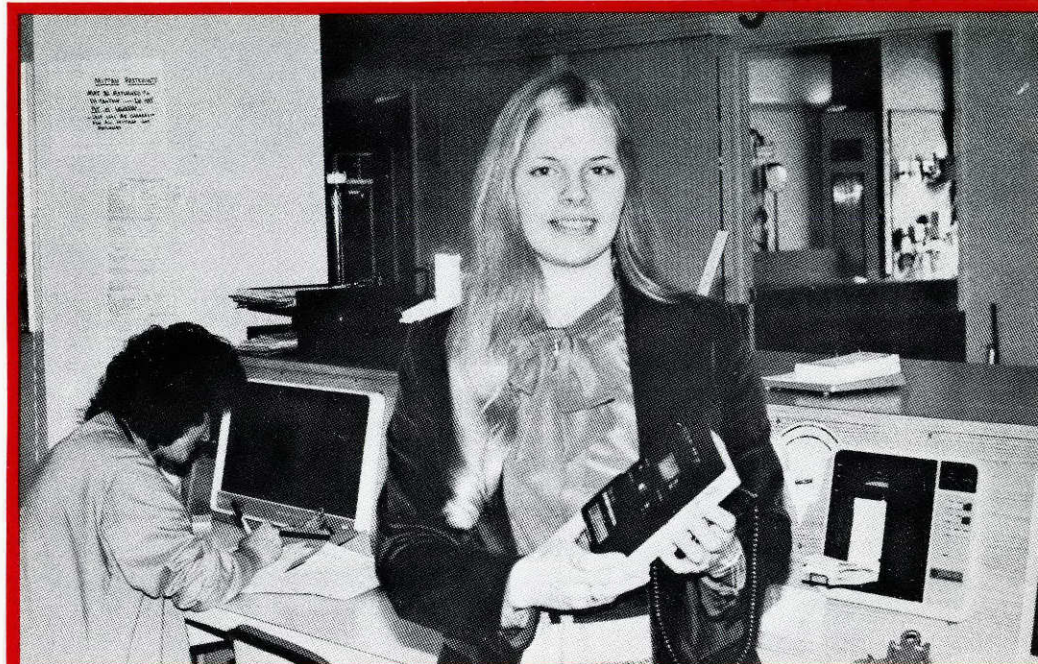
Moving quickly in response to a call from the intensive care unit, engineering technician Vickie Noble arrives to inspect a highly technical piece of equipment that is malfunctioning.

"This equipment is vital to life," says the University of Texas Health Center's scientific apparatus engineering technician while pushing buttons to test the accuracy of an electrocardiogram. The equipment is used to monitor an ICU patient's heartbeat.

When she came to the health center almost seven years ago, Noble was the first woman to join the electronic technology staff responsible for maintenance and repair of various hospital and research equipment.

In December she earned another first of national distinction by becoming the first American woman to receive certification in clinical engineering from the Association for the Advancement of Medical Instrumentation.

Clinical engineering, the science and maintenance of sophisticated biomedical equipment used in patient care, is a field which has



Rita Nute

Vickie Noble is responsible for maintenance of medical devices.

been largely dominated by men. The only other women certified in clinical engineering are from Canada and Europe.

Although an increasing number of women are seeking careers in biomedical engineering, many are choosing employment with large equipment or pharmaceutical companies, Noble said. Few are working in hospitals.

The clinical engineer works closely with physicians, hospital administrators and other personnel in the technological aspect of health care delivery, Noble said. Knowledge of physiological as well as medical problems and clinical care of patients, enables the clinical engineer to play a supportive role in patient care, she added.

To be eligible for AAMI certification testing, applicants must work in a clinical setting three years and must have a bachelor's degree in engineering or physical science from an accredited institution.

Noble, who has a biomedical engineering degree from Louisiana Tech University where she graduated with honors in 1979, met all the requirements.

"Clinical engineering is a young discipline," she said. "Clinical engineering in hospitals was recognized as a field only 10 years ago," she added.

With today's high technology medicine, maintenance and repair of medical devices are vital, she said.

Receiving the distinction of being the first female clinical engineer in the U.S. required a tremendous amount of support from her husband, parents and co-workers, she said.

Noble is married to Gene Noble, Longview Police Department's public information officer. They have two children, Jon David and Shelly. Her parents are Mr. and Mrs. Don Camp of Longview.

—Rita Nute

Visiting the health screening booths at the annual health fair in Tyler may have saved the life of a Tyler man.

Each year the University of Texas Health Center at Tyler sponsors booths at the annual Community Health Fair at the Broadway Square Mall and the East Texas Fair, both in Tyler.

Health care professionals at the health center have long recognized that providing free screenings and information at the two fairs encourages the public to be more aware of their particular health needs.

Jack Clayton, 56, of Tyler was one of hundreds taking advantage of the health screenings.

A retired oil refinery employee, Clayton was, to his knowledge, in good health.

Everyday he walked for exercise and experienced no discomforts. While the community health fair was in progress, Clayton and his wife, Glenda, went to a restaurant in the Tyler mall to eat. "We rarely went to the mall," he said.

While there, the couple noticed the bustling activity of health care professionals making blood pressure checks, offering dietary tips and other screenings. They stopped at the health center's booth on blood pressure testing, and Clayton had his blood pressure

Doctors told him that someone in his condition had one in four chances of living one year without major open-heart surgery.

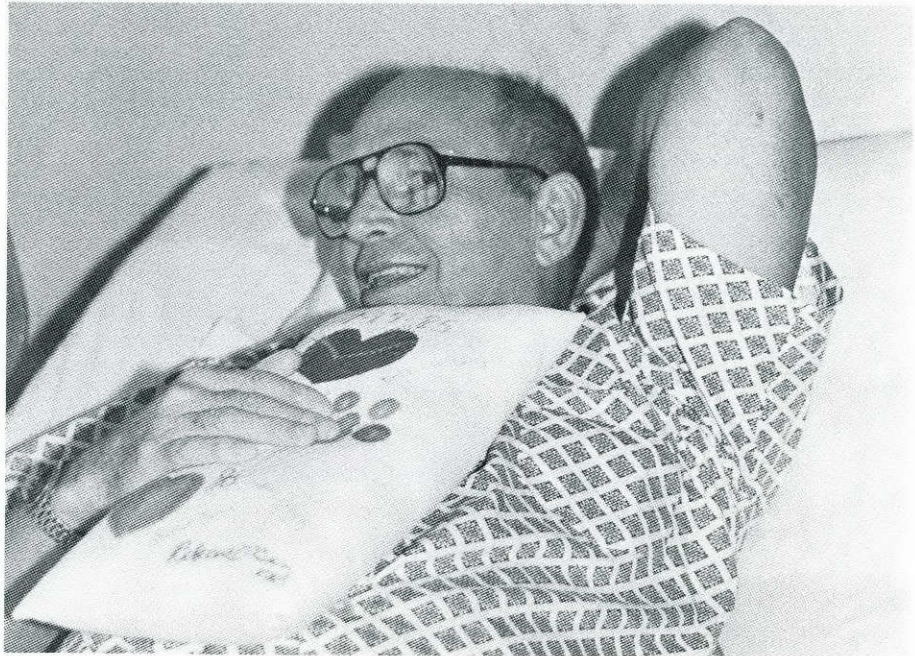
and sugar level checked. They were both fine.

The health center held a drawing for a free exercise stress test which uses a treadmill and other equipment to measure how a person functions under physical stress, and Clayton won.

The stress test was Clayton's first indication that something was wrong, and further tests were made. After a cardiac catheterization procedure to test for blocked

CHANCE OF A Lifetime

Winning a free stress test may have saved this man's life.



Jack Clayton recovering from open-heart surgery.

arteries, UT Health Center cardiologist Dr. Robert Payne found Clayton had 90 to 100 percent blockage in the right coronary artery and 50 to 70 percent blockage in the anterior descending coronary artery. He was a prime candidate for a heart attack.

Clayton acknowledged that without his visit to the health fair and winning the stress test, he would not have seen the need to go to the doctor immediately—a delay which could have cost him his life.

Doctors told him that someone in his condition had a one in four chance of living one year without major open-heart surgery.

"It doesn't take a very good mathematician to figure it out," he

said of his decision to have the surgery.

On Sept. 17, Clayton had open heart surgery with four major heart bypasses to correct the problem. Dr. Roy Kingry Jr., professor of clinical thoracic and cardiovascular surgery at the health center, performed the operation.

The surgery went so well that Clayton did not require any blood transfusions. And a week following the operation, he was released from the hospital.

Clayton said that it wasn't luck after all that enabled him to win the life saving stress test. "I never win anything. I can see the hand of God in this whole thing," he said.

Rita Nizte

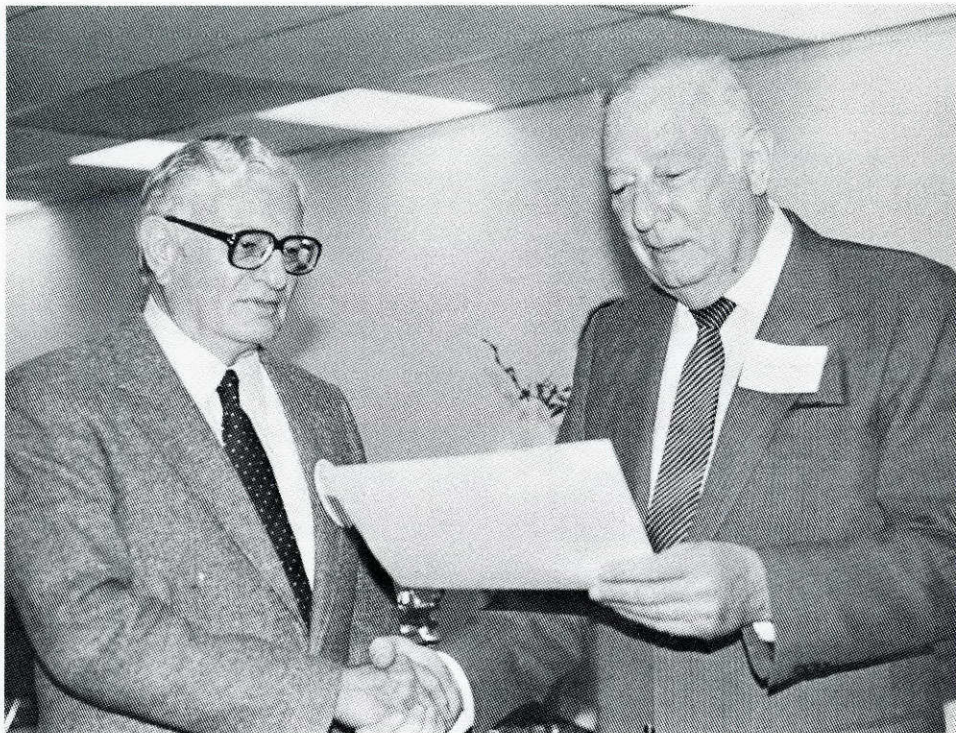
Texas Chest Foundation And Development Board

Reception Honors Program Graduates

A reception honoring graduates of the UT Health Center's Smoking Cessation Program was held Nov. 6 at the Texas Chest Foundation's office in Tyler.

Program director Grady Faulk said 655 people have registered for the Smoking Cessation Program over the past four years, and 424 completed the required number of counseling sessions. He said 373 indicated at the completion of the program they had stopped smoking.

Texas Chest Foundation co-sponsors the program. Participants are charged only a \$25 registration fee which is refundable.



Isadore Roosth, right, presents a certificate of achievement to C.L. Stanford of Canton for successfully completing the Smoking Cessation Program.

Campaign Gathers 12 Life Members

Nearly 100 people have become Texas Chest Foundation members in a drive begun last spring.

Executive Director Grady Faulk Jr. said the membership now includes 12 life members who contributed or pledged \$10,000 each.

Other types of membership include two corporate members (\$500 each); 30 Century Club members at \$100 each; 16 patron members (\$50); 29 sustaining members (\$25) and nine active members (\$10).

Foundation President Isadore Roosth said the membership drive

will be an ongoing project to expand its group of supporters and to raise funds for UT Health Center programs needing private support.

Membership contributions can be sent to Texas Chest Foundation, P.O. Box 7788, Tyler, TX 75711.

Foundation Awards \$51,558 in Grants

Texas Chest Foundation awarded \$51,558 in grants and scholarships during the past fiscal year, according to executive director Grady Faulk Jr.

Faulk said the Foundation assisted the UT Health Center in professional recruitment, employee

educational scholarships and fitness and recreational activities. The Foundation also provided financial support for the first annual Texas Asthma Camp for children at Lake Tyler last summer, assisted in establishing the Chapman Visiting Professorship Fund and sponsored a pastoral care seminar.

The Foundation assisted other local and state health professionals employed in hospitals through the Texas Health Careers program.

Benefit Golf Tournament Raises \$6,000

Some \$6,000 was raised during the second annual benefit golf tournament for the Texas Chest Foundation general fund.

The tournament, held at Tyler Hollytree Country Club, had a six-man scramble format for the 21 teams participating.

The funds raised go for the support of patient care, research and education missions at the UT Health Center. Foundation funds also provide support for such activities as the Smoking Cessation Program, continuing education and training of employees and the recruitment of outstanding cardiopulmonary physicians and researchers.

Sponsors and Contributors

Ables-Land, Inc., Red Acker's Restaurant, Cace's Seafood Restaurant, Cavender's Boot City, Holley Motor Company, Hurwitz Man's Shop, Inc., Gulf States Lumber Company, Harry Leatherwood, Manpower of Tyler, Murphy's Furniture Gallery, Oge Oldsmobile, Inc., Tonjes Buick, Tyler Golf Cars, Inc., Tyler Clearing House Association, Wagner Cadillac Co., Willingham Auto World, Steve Wolf, The Sportster, Inc. and Tyler Courier-Times.

Contributing Players

William B. Adams, Craig S. Adams, Rev. M.L. Agnew, Tim Alexander, George M. Arnold, Thomas E. Barber, David J. Bibby, Donald Bone, Travis Booher, Bill Brewer, Wayne Brewer, Thomas W. Brogan, Dudley Brookshire, William H. Bundy, Manie Campbell, Joe Cavender, Hardie A. Cazalas, Wallace Christensen, Ted Clark, Thomas Clyde, Mike Craig, Gaylon Daughtry, J.N. Daughtry, Dr. Jack Davidson, Richard C. Davis and Ned Duncan.

Robin Doyle Farrell, Oran L. Ferrell Jr., M.D., Oran L. Ferrell III, David Fierbaugh, Gerald W. Free, Jim Gillen, Rick Gresham, Sam V. Guerin Jr., George Hager, Bill Hamm, Mark Harman, Justin

W. Hawthorne, Don R. Hays, Charles Head, Ronald Head, Raymond Hedge III, R.E. Henry Jr., R.E. Henry, Lester Henry, Boyce Herd, Larry Hickman, George Hillyer, W.E. Hoeffner, George T. Holland and Clifton E. Hughes Jr.

Gaylord Hughey Jr., H.T. Hyde Jr., Bob Irwin, Russell W. Jackson, Randy Jarvis, Richard W. Jett Jr., Art Johnson, Ronnie G. Johnson, Richard Johnston, Titus E. Jones, Edward Kamen, Huey C. Keeney Jr., Steve Knight, Don Kruse, R. Anton Lester Jr., D.O., Ray Loggins, Les Loggins, Richard T. Lynch, James H. McBurney, M.D., Thomas M. McLaren, Bill McCain, Joe McClain, C.A. McLarty III, Charles A. McLarty Jr., S.P. McLarty and Robert McLeod.

Eugene E. Meier, Gene P. Molloy, Jerry Morris, Caton Morris, H. Michael Munn, Don Neill, Wayne Nicholson, John W. Noble, Steve Nourse, George W. Oge Jr., Harry J. Owens, Gerald T. Pabst, W.L. Pilkington, Craig Pool, Jay R. Pumphrey, Randall L. Roberts, George Rowe, Clinton R. Roxburgh, George F. Rudy, Phil Rumbley, Ron Schafer, Thomas L. Seltzer, Michael J. Sheehy, Steve Simmons, Ray Sims, A.E. Sizemore, Stan Smith, Robert Smithers, Jon Snyder, Richard Spencer, Tommy Stanfield, Gandy Stubblefield, Tim A. Tallent, Gary Thedford, David Theriot, Lonny R. Uzzell, Richard Watkins, Dusty Weaver, David C. Welch, R.C. Welch, James A. Wheeler, Kenneth L. Whitt, Steve Wiggs, Paul Williams, Richard Williamson, Roy E. Wolfe, Burl Woodard and Jerry Yancy.

State Honor Goes To Board Member

UT Health Center Development Board member Willie Lee Glass was one of 12 women inducted into the Texas Women's Hall of Fame Nov. 14 in Austin.

Mrs. Glass, who served 24 years as a home economics consultant to Texas Education Agency, was selected by an 11-member panel in September. Her induction into the Hall of Fame coincided with the celebration of Texas Women's Week.

Board Leader Receives Annual Producers Award

Isadore Roosth, president of Texas Chest Foundation and chairman of UT Health Center's Development Board, received the 1985 Dad Joiner Award from the East Texas Producers and Royalty Owners Association.

The ETPRO award was presented in October during the group's convention in Longview.

Gifts

Memorial Gifts

In memory of John Cowan—
Sol Roosth & Associates
In memory of Mrs. Kathryn Deakins—
Miss Nancy Lake
In memory of Mrs. W.C. Hauk—
Dr. and Mrs. E.C. Kinzie
In memory of J.S. Hudnall—
Isadore Roosth & Associates
In memory of Mrs. Ebb Hughes—
Miss Nancy Lake
In memory of Mrs. Harold Johnston—
Mr. and Mrs. Grady Faulk Jr.
In memory of Baker Lucas—
Mr. and Mrs. Jack Owens
Mr. and Mrs. Grady Faulk Jr.
Mrs. Maurine G. Muntz
Nell and Henry Bell
Dr. Blanche Prejean
In memory of W.T. Matlodge Sr.—
Mr. and Mrs. Grady Faulk Jr.
Elwyn P. Bunting
In memory of B.B. McDougald
Sol Roosth & Associates
In memory of Mrs. Martha Morehead—
Miss Nancy Lake
In memory of Mrs. Grace Murphy—
Sol Roosth, Isadore Roosth & Associates
In memory of Col. Van E. Neal—
Mr. and Mrs. Grady Faulk Jr.
Kenneth Whitt
Dr. Blanche Prejean
In memory of Mrs. Estelle Dial Noe—
Isadore Roosth & Associates
Miss Nancy Lake
In memory of Edell Parker—
Sol Roosth, Isadore Roosth & Associates
Mr. and Mrs. Grady Faulk Jr.
Mr. and Mrs. Michael B. McKinney
In memory of W.T. Phillips—
Horace E. Rowald

In memory of Mrs. Will Mann Richardson—
Mr. and Mrs. David Turman
In memory of Mrs. Isadore Roosth—
The Rudman Foundation
In memory of Mrs. Leon Taylor—
Isadore Roosth & Associates
In memory of Johnny Tomlin—
Mrs. J. Earnest Alexander Jr.
In memory of Dr. Paul Turman—
Gordon Campbell
Mr. and Mrs. Grady Faulk Jr.
In memory of Kathryn and Steve Tipps—
Sam and Theresa Tipps
In memory of Mrs. Jack Woldert—
Mr. and Mrs. David Turman

Honor Gifts

In honor of Mrs. Dayton Walkup—
Mr. and Mrs. C.K. Devall
In honor of Mrs. Willie Lee Glass—
Isadore Roosth
In honor of Isadore Roosth—
The Rudman Foundation

Foundation Gifts

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Dr. John C. Turner, Emmitt Paul, Mildred
O. Messer, Hazel Spearman, Mr. and Mrs.
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Reba Land, Geraldine Martin, Liz Walton,
Roselyn Jennings, Willis Boykin, Mrs.
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Dean Chapman, Mr. and Mrs. Glenn
Flinn, Dr. Charles Max Cole, Dr. John E.

Adcock, Alex Beall, Calvin Clyde Jr. and
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Sharon Casty, Wanda L. Patterson,
Tweedie Battles, Judy Persinger, John
Bell, Lenette D. Tidwell and Mr. and Mrs.
Jeff Basehore.

Footnote:

UT Health Center Development Fund gifts are reported separately in *Development News*, a newsletter published semi-annually. Gifts reported here are contributions to Texas Chest Foundation only.

Foundation Trustees and Development Board Members

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

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Newsbriefs

Gib Lewis Speaker For Ground Breaking

The UT Health Center's new Biomedical Research Building will place the health center in the forefront in medical research in Texas, Texas Speaker of the House Gib Lewis said during ground breaking ceremonies in September.

Lewis was among several dignitaries attending the ceremony for the new \$9 million building approved by the UT System Board of Regents in April.

Dr. Charles B. Mullins, executive vice chancellor for health affairs, said the research building represents an investment in the health center's three missions: education, patient care and research.

Others attending the program were State Sen. Ted Lyon, State Reps. David Hudson and Jerry Yost, Development Board chairman Isadore Roosth and other Development Board members.

Gifts Help Establish Chapman Professorship

The University of Texas System Board of Regents accepted a \$50,000 gift from various donors to establish a visiting professorship at the UT Health Center in the name of Dr. John S. Chapman.

Chapman, a professor emeritus at the UT Health Science Center at Dallas, helped establish the first research laboratory at Tyler and donated many hours and equipment to the program. The professorship will be used to attract additional visiting scholars to Tyler.



Texas House Speaker Gib Lewis praises research efforts.

Erwin Hiltcher

Hospital Receives JCAH Approval

The Joint Commission on Accreditation of Hospitals, the national accrediting organization, approved another three-year accreditation for the UT Health Center.

The accreditation is the result of periodic review of performance and services using professionally developed standards, according to Dr. George Hurst, health center director, who received the notification in September.

Three representatives from the commission—a physician, a registered nurse and an administrator—conducted an on-site review of health center operations last April.

As a teaching hospital, the UT Health Center is also accredited by the American Medical Association through the Texas Medical

Association to grant Category I credits for sponsored continuing medical education programs.

Regents Authorize Housing Project

The University of Texas System Board of Regents authorized appointment of Tyler architectural firm Simons-Clark Associates to prepare the plans and determine a cost estimate of the new medical resident center.

Efforts to raise \$750,000 for the project have been underway for several months, according to Dr. George Hurst, health center director.

Hurst said a medical resident center is needed to provide housing for medical students who come to Tyler for pulmonary and cardiology training, and for visiting scientists, graduate students and family practice residents.

Dr. Rong-En Zhu of China is discovering America. Since April, he's seen real Texas cowboys in Hereford, the big-city bustle of Dallas and a Fourth of July fireworks show in Tyler. He's developed a taste for fried chicken and East Texas peaches.

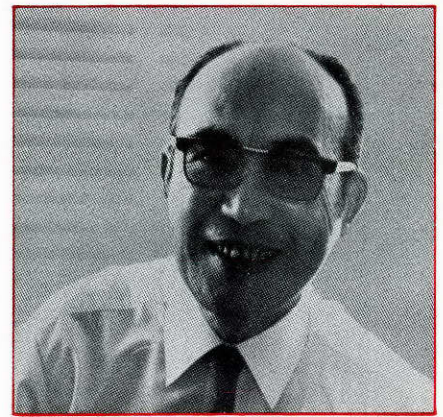
A graduate of the National Medical College of Shanghai, Dr. Zhu has been a visiting physician at the University of Texas Health Center at Tyler since June of 1985. He is scheduled to return to China this spring.

Dr. Zhu is vice director of First Affiliated Hospital at Suzhou Medical College where he also serves as chest division chief and professor of medicine. The tuberculosis specialist's 40-year career was interrupted twice because of his pro-American sympathies and outspoken Christian beliefs.

ZHU DISCOVERS AMERICA

Dr. Rong-En Zhu

Before the communist takeover in 1949, Zhu was senior tuberculosis physician at a hospital run by American Methodist missionaries which became First People's Hospital. In 1957, the Baptist missionary's son was tagged as a counterrevolutionary by the government and was forbidden from practicing medicine.



Since then Sino-American relations have improved and so has life for Zhu and his family. And upon invitation, Dr. Zhu was able to come to the United States and the UT Health Center at Tyler.

Zhu is not practicing medicine here because he is not licensed in the United States, but he considers himself a "visiting fellow."

MEDICAL UPDATE

Vol. 1, No. 1

Fall 1985

ADVANCES IN THE MANAGEMENT OF CHRONIC OBSTRUCTIVE LUNG DISEASE

by Richard S. Kronenberg

The treatment of chronic obstructive lung disease is a frustrating problem for most physicians. The disease is common and disabling, in the aggregate, lung disease ranks third in the U.S. as a cause of death and sixth as a cause of disability. Chronic respiratory disease is the most frequent reason that people need medical attention; it accounts for more than 20% of all physician consultations and 12% of all short-term hospital stays. Most of us are all too familiar with its signs and symptoms. In the past few years we have even begun to understand a great deal more about its pathophysiology. Yet, there is a general feeling among most physicians that this increased

knowledge has not led to better therapy and that patients with advanced chronic obstructive pulmonary disease have a remarkably miserable course that is unresponsive to any of our therapeutic interventions. In fact, this dismal point of view is not correct. There are treatments of chronic airway obstruction that really do make a difference. They prompt the make patients feel better, and keep them out of the hospital. In this article I will describe four forms of therapy that have formed the basis for the management of patients with chronic obstructive airways disease. They are: 1) Smoking Cessation, 2) Home Oxygen, 3) Bronchodilators, 4) Rehabilitation.

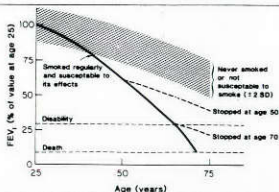


Figure 1. The effect of cigarette smoking on lung function (FEV₁). Cigarette smoking accelerates the normal age-dependent decline in FEV₁ in susceptible individuals (solid line). Smoking cessation slows the rapid decline in FEV₁ and restores it to the normal rate seen with aging alone (broken lines).

Medical Update, a new publication from UT Health Center's Department of Medicine, is sent to more than 1,200 referring physicians.

The biannual publication is printed in the fall and spring. The first issue, written by department chief Dr. Richard S. Kronenberg and distributed in September, was on the subject "Advances in the Management of Chronic Obstructive Lung Diseases." Each issue of *Medical Update* will feature a particular medical subject.

Emphysema Study Awarded Funding

The National Heart, Lung and Blood Institute of the National Institutes of Health recently awarded a \$614,420 research grant to the UT Health Center for the study of a new approach to the treatment of emphysema.

Both clinicians and researchers are involved in the three-year study which began in September.

The principal investigator is Dr. Allen B. Cohen, executive associate director. He said the study will involve emphysema patients who volunteer to take a drug called colchicine which is normally used to treat certain forms of arthritis.

Certain measurements will be made to see if the drugs have decreased these indicators of lung destruction, Cohen said. This study is the first attempt to attack the causes of the underlying disease, he said.

Others assisting in the project are Dr. William Girard, associate professor of clinical medicine; Dr. Brooke Nicotra, chief of chronic

respiratory disease and professor of clinical medicine; Dr. Barry Starcher, research professor of biochemistry; and Dr. Jerry McLarty, research associate professor and chairman of the department of epidemiology and biomathematics.

The National Heart, Lung and Blood Institute awarded \$193,938 to begin the study in 1985. In its second year, the health center will receive \$205,574, and in the third year, \$217,908.

Rivera, Thames Named To Cancer Task Force

Chief of oncology service, Dr. Ragene Rivera, and oncology service's nursing care coordinator, Kathy Thames, were appointed to the state Legislative Task Force on Cancer in June.

Rivera, who has been at the health center since 1980, was named as an oncology and clinical investigation consultant and Thames, a registered nurse who has been at the health center since 1975, as a consultant to the nurse education group.

Appointments

Several appointments were made to positions in a number of UT Health Center departments during 1985-86.

Dr. Ben F. Bridges, a practicing Tyler physician for the past 30 years, was appointed professor of clinical medicine, effective in January.



Bridges



Shepherd

Bridges is board certified in internal medicine and a former head of the internal medicine departments and past president of the medical staffs at both Medical Center Hospital and Mother Frances Hospital in Tyler.

Radiologist Dr. J. Robert Shepherd III, who received an M.D. degree from UT Health Science Center in San Antonio, was named chairman of the radiology department and assistant professor of clinical radiology.

Other radiologists named to the staff were Dr. Andrew (Mac) Dale, a Vanderbilt School of Medicine graduate and Dr. Cherri Richards-Carty, a graduate of Howard University School of Medicine.



Dale



Richards-Carty



Clarke



Huber

Cardiovascular surgeon Dr. John Samuel Clarke, a retired U.S. Army colonel, was appointed professor of clinical thoracic surgery and cardiovascular surgery in August.

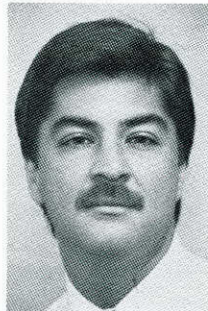
Since 1981, Clark, who received an M.D. degree from Albany (N.Y.) Medical College in 1963, had been chief of cardiothoracic surgery at the Army medical center at the Presidio of San Francisco.

Dr. Gary Huber joined the health center as a professor of clinical medicine in July from the University of Kentucky.

He received his M.D. degree from the University of Washington and has served as director of Harvard University's smoking and health research program.



Stocks

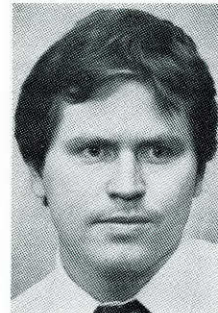


Garcia

Three new pulmonary specialists, Drs. James M. Stocks, Joe G.N. Garcia and David E. Griffith, joined the medical staff in July as assistant professors of clinical medicine. They replaced physicians who retired.

Dr. Peter H. Langsjoen was appointed as cardiologist and assistant professor of clinical medicine in July. He completed a cardiology fellowship at Scott and White Memorial Hospital in Temple before coming to the health center.

Dr. Alice Johnson, formerly professor of pharmacology at the UT Health Science Center at Dallas, was appointed research professor of biochemistry in September.



Langsjoen



Johnson

She received her Ph.D. degree from Emory University.

Other researchers joining the biochemistry staff were Dr. Karleen Callahan who received a Ph.D. degree from the UT Health Science Center in Dallas and Dr. Donald Blumenthal who received his Ph.D. degree from the University of California at San Diego. Both were appointed assistant research professors of biochemistry.

Biostatistician Dr. Stephen Zinkgraf is a former assistant professor at Louisiana State University School of Medicine in New Orleans. He was named research assistant professor of epidemiology and biomathematics at the health center.

Dr. Jeff Carraway, a veterinarian specializing in the proper care and treatment of diseases of laboratory animals, was appointed director of the health center's vivarium—a newly created position.

Published Research

The following are recently published or to be published research papers written by research and clinical faculty at The University of Texas Health Center at Tyler. Health Center authors are in bold.

ACTA Cytologica, "Crystals Occurring in Pulmonary Cytology Specimens: Association with Aspergillus Infection," by M.L. Farley, L. Mabry, L.A. Munoz and H.W. Diserens.

ACTA Cytologica, "Cytologic Methods in Lung Cancer Detection," by L.D. Truong, S.D. Greenberg and J.W. McLarty.
ACTA Biochem. Biophysica, "Synthesis of Dihomoprostaglandins From Adrenic Acid (7, 10, 13, 16-Docosatetraenoic Acid)" by Human Endothelial Cells," by W.B. Campbell, J.R. Falck, J.R. Okita, A.R. Johnson and K.S. Callahan.

ACTA, "Specific Incorporation of 5-Hydroxy-6, 8, 11, 14-Eicosatetraenoic Acid into Phosphatidyl Choline in Human Endothelial Cells," (in press) by C.F. Richards, A.R. Johnson and W.B. Campbell.

American Review of Respiratory Disease, "A Comparison of the Ferruginous Body and Uncoated Fiber Content in the Lungs of Former Asbestos Workers," by R.F. Dodson, M.G. Williams, M.F. O'Sullivan, C.J. Corn, D. Greenberg and G.A. Hurst.

American Review of Respiratory Disease, "Bronchoalveolar Lavage Fluid Evaluation in Rheumatoid Arthritis," (in press) by J.G.N. Garcia, N. Parhami, D. Killiam, P.L. Garcia and B.A. Keogh.

American Review of Respiratory Disease, "Consistency of Interlobar Bronchoalveolar Lavage Sampling in Interstitial Lung Disease," (in press) by J.G.N. Garcia, R. Wolven, P.L. Garcia and B.A. Keogh.

American Review of Respiratory Disease, "Elastase-Releasing Factors in Bronchoalveolar Lavage From Patients With Adult Respiratory Distress Syndrome," by S. Idell, U. Kucich, A. Fein, F. Kueppers, H.L. James, G. Weinbaum, R.W. Colman and A.B. Cohen.

American Review of Respiratory Disease, "Initial Four-Drug Regimen for Cavitory Disease, Avuim-Intracellar Complex," (in press) by C.H. Ahn, Sam S. Ahn, R. Anderson and D.T. Murphy.

American Review of Respiratory Disease, "Isoelectric Focusing of Beta-Lactamases in *Mycobacterium Fortuitum*: Association of a Single Enzyme Pattern With Cefoxitin Resistance," by R.J. Wallace Jr., D.R. Nash, T. Udou, V.A. Steingrube, L.C. Steele, J.M. Swenson and V.A. Silcox.

American Review of Respiratory Disease, "Neutral Endopeptidase in Sera From Patients With Adult Respiratory Distress Syndrome: Comparison With Angiotensin Converting Enzyme," (in press) by A.R. Johnson, J.J. Coalson, J. Ashton, M. Larrumbide and E.G. Erdos.

American Review of Respiratory Disease, "Neutral Metalloendopeptidase in Human Lung Tissue and Cultured Cells" by A.R. Johnson, J. Ashton, W. Schulz and E.G. Erdos.

American Review of Respiratory Disease, "Elastase-Releasing Factors in Bronchoalveolar Lavage From Patients With Adult Respiratory Distress Syndrome," by S. Idell, U. Kucich, A. Fein, F. Kueppers, J. Fredrich, L. Harold, P.N. Walsh, G. Weinbaum, R.W. Colman, W. Robert and A.B. Cohen.

American Review of Respiratory Disease, "Sulfonamide Containing Regimens for Disease," (in press) by C.H. Ahn, R.J. Wallace Jr., L.C. Steele and D.T. Murphy.

Antimicrobial Agents and Chemotherapy, "Amoxicillin/Clavulanic Acid (Augmentin) in the Treatment of Lower Respiratory Tract Infections Due to Beta-Lactamase Positive *Haemophilus Influenza* and *Branhamella Catarrhalis*," by R.J. Wallace Jr., L.C. Steele, D.L. Brooks, J.W. McLarty, J.I. Luman and B.W. Wilson.

Antimicrobial Agents and Chemotherapy, "Antimicrobial Susceptibility of Five Subgroups of *Mycobacterium Fortuitum* and *Mycobacterium Chelonae*," by J.M. Swenson, R.J. Wallace Jr., V.A. Silcox and C. Thornsberry.

Antimicrobial Agents and Chemotherapy, "Inhibition of *Chlamydia Trachomatis* Growth in McCoy HeLa, and Human Prostate Cells by Zinc," by S.B. Greenberg, D. Harris, P. Giles, R.R. Martin and R.J. Wallace Jr.

Antimicrobial Agents and Chemotherapy, "Susceptibilities of *Mycobacterium Fortuitum* Biovariant *Fortuitum* and the Unnamed Third Biovariant Complex to Heavy Metal Salts," by R.J. Wallace Jr., L.C. Steele, G.D. Forrester, J.M. Swenson and S.I. Hull.

Archives of Internal Medicine, "*Branhamella Catarrhalis* as a Lower Respiratory Tract Pathogen in Patients With Chronic Lung Disease," (in press) by B. Nicotra, M. Rivera, I. Luman and R.J. Wallace Jr.

Archives of Pathology and Laboratory Medicine, "Feruginous Body Formation on a Nonasbestos Mineral," by R.F. Dodson, M.F. O'Sullivan, C.J. Corn, M.G. Williams and G.A. Hurst.

Biochemical Journal, "The C3 Convertase of the Alternative Pathway of Human Complement: Enzymatic Properties of the Bimolecular Protease," by M.K. Pangburn and H.J. Muller-Eberhard.

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Endocrinology, "The Inhibition of Prostaglandin Synthesis by Glucocorticoids in Human Endothelial Cells," by G.D. Lewis, W.B. Campbell, and A.R. Johnson.

Infectious Diseases Newsletter, "Nontuberculous, Nonleprosy Mycobacterioses," by R.J. Wallace Jr.

Journal of Applied Physiology, "Lung Fluid Balance During Acute Renal Failure in Sheep," (in press) by B.T. Peterson, J.A. Brooks and R.W. Hyde.

Journal of Clinical Investigation, "A Unique Elastase in Human Blood Platelets," (in press) by H.L. James, Y.T. Wachtfogel, P.L. James, M. Zimmerman, R.W. Colman and A.B. Cohen.

Journal of Comparative Pathology, "An Ultrastructural Study of Acute and Long-Term Lung Response to Commercial Diatomaceous Earth," (in press) by H. Maeda, J.O. Ford, M.G. Williams and R.F. Dodson.

Journal of Immunology, "Detection of a Neoantigen on Human C3bi and C3d by Monoclonal Antibody," by J.D. Tameris, M.K. Pangburn and H.J. Muller-Eberhard.

Journal of Immunology, "Differences Between the Binding Sites of the Complement Regulatory Proteins DAF, CRI and Factor H on C3 Convertases," by M.K. Pangburn.

Journal of Laboratory and Clinical Medicine, "IgE and Other Immunoglobulins in Patients With Eosinophilic Pleural Effusions," (in press) by D.R. Nash and R.J. Wallace Jr.

Journal of Sports Medicine and Physical Fitness, "Physiological and Perceptual Predictors of the 1.5 Mile Run Performance in Young Women," by M. Lofton, S. Zinkgraf, C. Jones, B. Warren and D. Harsha.

Journal of Sports Medicine and Physical Fitness, "Predicting Competitive Bicycling Performance With Training and Physiological Variables," by P. Krebs, S. Zinkgraf and S. Virgilio.

Louisiana Educational Research Journal, "An Examination of the Relationship Between Teacher Efficacy and Role-Related Stress," by S. Miller, and S. Zinkgraf.

Postgraduate Medicine Supplement: Custom Communications Special Report, "The Increasing Role of Beta-Lactamase Producing Organisms as Causative Agents of Respiratory Tract Disease: The Decline and Fall of Penicillin," by R.J. Wallace Jr.

Proceedings National Academy of Science, "Neutral Endopeptidase 24.11 in Human Neutrophils: Cleavage of Chemotactic Peptide (in press) by J.C. Connelly, R.A. Skidgel, W.W. Schulz, A.R. Johnson and E.G. Erdos.

Seminars in Thrombosis and Haemostasis, "Subcellular Localization of Platelet Elastase and Its Retention During the Release Reaction," by H.L. James, P.L. James, R.G. Painter, K. Zahler-Bentz and A.B. Cohen.

The Antimicrobial Newsletter, "Identification and Susceptibility Testing of the Rapidly Growing Mycobacteria," by R.J. Wallace Jr., J. M. Swenson and V.A. Silcox.

Abstract Publications

American Federation for Clinical Research, "Beta-Lactamases in *Nocardia Brasiliensis*: Role in Resistance and Inhibition by Clavulanic Acid," (in press) by R.J. Wallace Jr., W.K. Johnson, L.C. Steele, D.R. Nash and V.A. Steingrube.

American Federation for Clinical Research, "Isoelectric Focusing Patterns of Beta-Lactamases From 103 Sputum Isolates of *Branhamella Catarrhalis*," (in press) by D.R. Nash, R.J. Wallace Jr. and V.A. Steingrube.

Complement, "Binding Site of DAF on C3 Convertases Differ From the Binding Site of CRI and Factor H," by K.L. Wadley-Pangburn and M.K. Pangburn.

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Complement, "Recognition of Alternative Pathway Activators by DAF and CRI," by M.K. Pangburn and R.L. Tyiska.

Proceedings American Society Clinical Oncology, "Fluorouracil Cis-Platinum, Etoposide, and Vincristine Chemotherapy in Non-Small Cell Lung Cancer," (in press) by R. Yanagihara, R. Rivera and T. Kummet.

Proceedings Electron Microscopy Society of America, "An Analysis of residual Asbestos Remaining in Preparative Vials Following Bleach Digestion," by C.J. Corn, M.G. Williams, and R.F. Dodson.

Proceedings Electron Microscopy Society of America, "Nonasbestos Ferruginous Bodies in Man," by R.F. Dodson, M.F. O'Sullivan, C.J. Corn, J.G. Williams Jr., and G.A. Hurst.

Proceedings Electron Microscopy Society of America, "Ultrastructure of Major Conducting Airway Epithelium in the Guinea Pig," by M.L. Davis, J.O. Ford, and R.F. Dodson.

The Physiologist, "Intravenous (IV) Air Emboli Open Additional Pathways for the Clearance of Solutes From the Lungs of Sheep," by B.T. Peterson.

Book Chapters

Acute Lung Injury, "Mechanisms of Lung Vascular Injury After Thrombin," (in press) by A.B. Malik, J.G.N. Garcia, S.K. Lo, J. Cooper, M.B. Perlman and A. Johnson.

Current Therapy of Infectious Disease, "Nocardia Infections," (in press) by R.J. Wallace Jr. and E.J. Septimus.

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Leukotrienes in Cardiovascular and Pulmonary Function, "Effects of Exogenous Leukotrienes on the Pulmonary Circulation," by A.B. Malik, T.C. Noonan, W.M. Selig and J.G.N. Garcia.

Leukotrienes in Cardiovascular and Pulmonary Function, "Endothelial Cells Metabolize But Do Not Synthesize Leukotrienes," by A.R. Johnson, G.E. Revtyak, B.O. Ibe and W.B. Campbell.

Therapy of Respiratory Medicine, "Thoracic Actinomycosis," (in press) by M. Rivera, B. Nicotra and R.J. Wallace Jr.

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