



# CANCER LAB OPENS NEW FRONTIER

## Lange on Leave To Direct Drive For Dallas Chest

Fred M. Lange, vice president and managing director of Southwestern Medical Foundation, has been granted a four-month leave of absence from the Foundation to permit him to serve as temporary executive director of the 1948 Dallas Community Chest drive.

Mr. Lange was called back to the position which he formerly held by the death of Jack Moffett, director of the Chest. He will continue to supervise activities of the Foundation, Dr. E. H. Cary, president, announced.



MR. LANGE

The Foundation's executive board did not feel it would be necessary to secure a replacement during his brief absence.

"We feel the temporary loss of Fred Lange," Dr. Cary declared. "However, the members of our board, who have always been deeply interested in the welfare of the Community Chest, have agreed to grant him this leave in view of the tragic emergency caused by the death of Jack Moffett. They realize it will require a man of Mr. Lange's abilities to carry the 1948 Chest campaign to a successful conclusion."

Albert S. Pullen, executive secretary of the Advisory Council of Southwestern Medical Foundation, has been appointed administrative assistant to Mr. Lange to work in correlating activities of the Foundation during his absence.



MR. PULLEN

Mr. Pullen has been with the Foundation for about two years. He formerly was contact officer for the Dallas branch of the Veterans Administration.



INSPECT NEW CANCER LAB—R. J. (Bob) O'Donnell, representing the Variety Clubs of Texas, Tom C. Gooch, president of The Dallas Times-Herald and chairman of the Damon Runyon Cancer Fund for Texas, and Dr. Allen F. Reid, head of the department of biophysics at Southwestern Medical College, inspect the college's new temporary cancer research laboratory. The laboratory was made possible by \$50,000 grants from each of the Damon Runyon Cancer Fund and from the Variety Clubs. A full program of cancer research is being instituted in the new lab.

## New School Year Begins Sept. 1; 250 Students To Resume Studies

Southwestern Medical College's new school year will begin September 1 with a total enrollment of approximately 250 students, Dr. E. H. Cary, president of the school, has announced.

The Freshman Class of 64 medical students and four medical art students will enroll September 1. Enrollment of second, third and fourth year students will be held on successive days.

Classes will begin at 8 a.m., September 7. An important advancement in curriculum, Dr. Cary said, will be the inclusion

of a number of biophysics courses.

Dr. Cary described the extreme care with which the students are chosen to best serve the future medical needs of the Southwest. The incoming Freshman Class, for instance, was chosen from more than 1,000 applications from all parts of the country. The Admissions Committee, consisting of faculty members of the college and doctors in professional practice chosen by the Dean, first trimmed the list to 500 qualified

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## Research Program To Begin at SMC September 1

New frontiers in the study of the cause of cancer will be explored with the opening of the new biophysics laboratory on the campus of Southwestern Medical College, Dr. E. H. Cary, president of Southwestern Medical Foundation, reports.

Dr. Cary said that the research program which is being inaugurated this year is unique in the Southwest.

Dr. Allen Reid, former physicist with the Manhattan Project for the development of the atom bomb, will direct the greatly broadened research program as head of the college's Department of Biophysics.

"At present research is concentrated on diagnosis, treatment and cure of cancer," Dr. Reid explained. "Through our new facilities we of Southwestern Medical College will seek the cause of the dread disease, for until we know what causes cancer, we can never provide the cure."

Equipment housed for the time in the temporary lab on the present Oak Lawn college site eventually will furnish a research unit of the projected new Southwestern Medical Center.

The project was made possible by grants of \$50,000 each from the Damon Runyon Cancer Fund and the Variety Clubs of Texas. This and other grants for cancer study and research will be supplemented out of the College's general operating fund.

Size of the program to be set up will depend less on these funds, however, than an assured financial backing over a long period of time. For cancer research is a long-range project.

Already researchers throughout the nation have followed up "about 1,000" clues, rejected most, gleaned other clues from a few.

"Before the end, we will have followed thousands more," explained Dr. Reid. For trial-and-error, plus the intuition and knowledge of the trained research man, is a necessary part of digging into the unknown.

Somewhere ahead lies the source of all the misery inflicted by cancer. It will be discovered years, perhaps decades hence.

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Reprinted from Dallas Morning News

## Medical School Seeks To Ease Scarcity of Doctors In Region

Southwestern Medical Foundation is seeking to aid in meeting one of the most serious challenges facing big, booming Texas, Dr. E. H. Cary, foundation president, reports. That problem is a shortage of doctors.

The Journal of the American Medical Association recently pointed out that there are fifty-seven counties in the state and eighty small communities which need physicians.

In round figures there are 9,000 physicians in Texas today, and a study of the problem indicates a need for 225 graduates from Texas medical schools each year to keep this number up to the present level. At the present time, however, Texas medical schools are graduating only about 200 physicians a year, and the actual need based on population trends, is for 300 graduates annually.

"Within its brief lifetime Southwestern Medical College has done much to help meet this big demand for competent medical men in Texas," Dr. Cary said. "Since the college was established it has graduated a total of 298 doctors of medicine in six classes, and the job is only beginning for us.

"This achievement has been accomplished in our temporary college plant on Oak Lawn, but we will be in a position to handle much larger classes once we have completed the development of our permanent building program on Hines Boulevard," Dr. Cary said.

Southwestern Medical College was established by Southwestern Medical Foundation July 5, 1943, and within that time has made considerable progress in various research projects, in addition to carrying on a complete medical training program, Dr. Cary said.

Currently research projects are being carried on in sixteen fields by scientists of the college staff. These projects are in the fields of alcoholism, antibiotics; body fluid dynamics; cardiovascular diseases; cause, detection and treatment of cancer; general endocrinology; hypertension; metabolism; nephrosis; new drugs; obstetrical complications, poliomyelitis; radioactivity; rheumatic fever; tuberculosis and virus diseases.

Southwestern Medical College six months after its establishment, was recognized as a Class A medical school by the American Association of Medical Colleges.

### Dr. Kantor Wins Award

Dr. Herman I. Kantor, clinical assistant professor of obstetrics and gynecology at Southwestern Medical College, has been awarded the 1948 annual prize of the Central Association of Obstetricians and Gynecologists for the best investigative work of the year. The title of his paper: "Urinary Bladder During Labor."

### Occupational Therapy Emphasized in Studies At Medical College

Occupational therapy, the treatment of disease and injury by physical and mental activities, today occupies a prominent part of studies conducted at Southwestern Medical College.

Through the instruction of such courses as pathology, heart disorders, pediatrics and other correlated subjects to Texas State College for Woman students, the medical college is aiding TSCW round out its course of occupational therapy.

Now recognized by the medical profession as a valuable adjunct to the rehabilitation of patients, occupational therapy was taught as a major subject in only four schools in 1939. Today, there are still only 25 such schools, and only 23 of these, including TSCW, are recognized as having top grade courses.

When occupational therapy courses were first started at TSCW in the fall of 1944, Southwestern Medical College faculty members were called upon to instruct the medical classes of the course.

Realizing the value of aiding such a program, the medical college lent its full support to TSCW in its efforts to establish a first class occupational therapy course, said Dr. E. H. Cary, president of Southwestern Medical Foundation.

Dr. Ozro T. Woods, clinical associate professor of surgery and surgical pathology, was named director of the medical occupational therapy lectures, and instruction began with the doctors driving over to the Denton college to hold their classes.

But to more adequately provide laboratory facilities, the medical lectures were changed in the spring of 1947 from TSCW classrooms to Southwestern Medical College laboratories and classrooms. Now the girls commute to the medical college each Tuesday night for three hours of medical lectures.

Courses taught the students by Southwestern Medical College faculty and clinical staff members, in addition to those previously mentioned, are: arthritis, burns and plastic surgery, rheumatic fever, tuberculosis, pediatrics, orthopedics, psychiatry and neurology and eye and ear disorders.

Physicians, in addition to Dr. Woods, who have participated in the medical college's occupational therapy instruction program for TSCW, are Dr. Howard Coggeshall, Dr. Edwin Rippey, Dr. James T. Mills, Dr. John Patterson, Dr. Gladys Fashena, Dr. John Chapman, Dr. John Young, Dr. Lester Quinn, Dr. Brandon Carrell, Dr. Howard Reid, Dr. Dudley Singleton, Dr. Francis Harrington

### Broadened Mental Health Work Set

Dr. Thomas W. Farmer, former fellow and former instructor in internal medicine at Johns Hopkins, has been named assistant professor of neurology at Southwestern Medical College to assist in creating a broadened program for mental health study, Dr. Don P. Morris, associate professor of neuropsychiatry, has announced.

Dr. Farmer will organize the teaching of neurology through the four years of instruction at the College, and will have charge of the neuropsychiatry ward at Parkland Hospital and will be consultant in neurology at Parkland.

The extended program is being financed out of a grant of \$20,000 which has been made to Southwestern Medical Foundation by the federal government for research in mental health. The grant is a part of \$9,028,000 authorized by Congress to finance a three-fold nationwide program of research in mental illness, development of local mental health facilities and training of mental health personnel.

Dr. Farmer from 1943 to 1944 was engaged in the study of virus diseases, including polio, at Johns Hopkins. The next two years he spent in the Navy, returning to Johns Hopkins late in 1946. In 1947 he was named a fellow in medicine for the study of neurosyphilis. From July 1947 to the time of his resignation to join the staff of Southwestern Medical College he was an instructor in internal medicine at Johns Hopkins. He was also senior research fellow for the National Institute of Health.

and Dr. Fred Rogers.

The TSCW occupational therapy course has been recognized as a fully accredited course by the American Medical Association and by the American Occupational Therapy Association.

Knitting, cord weaving, hand rug weaving, crocheting, embroidery, basketry, leather work, and marionette productions are some of the crafts included in occupational therapy activities.

Through this craft work, dependent patients gradually realize that they can still do many and varied types of work. The physical therapy work itself is not important, but the hope and encouragement derived from the work is, said Mrs. Fanny B. Vanderkooi, supervisor of the course at TSCW.

### 5-Minute Syphilis Cure Is Found

Dr. Lee J. Alexander, clinical instructor in Dermatology and Syphilology at Southwestern Medical College, and Dr. Arthur G. Schoch, clinical associate professor of Dermatology and Syphilology at the College, have announced discovery of a 5-minute treatment which halts the development of syphilis in persons exposed to the disease by an infected person. The discovery was announced to the dermatology section of the American Medical Association at its annual meeting in Chicago.

The two SMC faculty members worked on the problem for more than 20 months.

In the past, doctors knew of only one safe way for the partner of an infected person to halt the development of the disease—to undergo the same treatment given the syphilis patient. Through the new treatment the exposed persons are given 900,000 units of calcium penicillin and three cubic centimeters of bismuth ethyl-camphorate and .05 to .06 grams of arsenoxide. They report that the cost of this preventive treatment is less than a tenth of the cost of the full penicillin treatment of the disease.

### Dr. Harrison Heads Heart Association

Dr. Tinsley R. Harrison, chairman of the Department of Medicine, Southwestern Medical College, has been elected president of the American Heart Association for the 1948-49 term. Dr. Harrison, elected at the 24th annual membership meeting of the Association in Chicago, is a member of the advisory committee of the cardiovascular section of the American Board of Internal Medicine.

### SMC Gets Federal Grant For Cancer

Southwestern Medical College is to receive a federal grant of \$24,500 for the teaching of cancer diagnosis and treatment, Fred M. Lang, vice president and managing director of Southwestern Medical Foundation has announced.

The \$24,500 federal grant was recommended by the National Advisory Cancer Council and approved by Dr. Leonard A. Scheele, Surgeon General of the United States.

### Dr. Cary Life Story Released by Press

"More Than Armies," the biography of Dr. E. H. Cary, president of Southwestern Medical Foundation, has just been released by the publishers, Mathis, Van Nort & Co. of Dallas.

The book details the life story of the Alabama-born doctor who long has been a weighing influence on medical education in Texas. The book contains an introduction by Dr. Morris Fishbein, editor of the Journal of the American Medical Association and longtime friend of Dr. Cary.

## L. F. Bridges Is New Advisory Member

L. F. Bridges, Jr., cashier of the Sulphur Springs State Bank, is the new Southwestern Medical Foundation Advisory Council member from Sulphur Springs in Region III T.

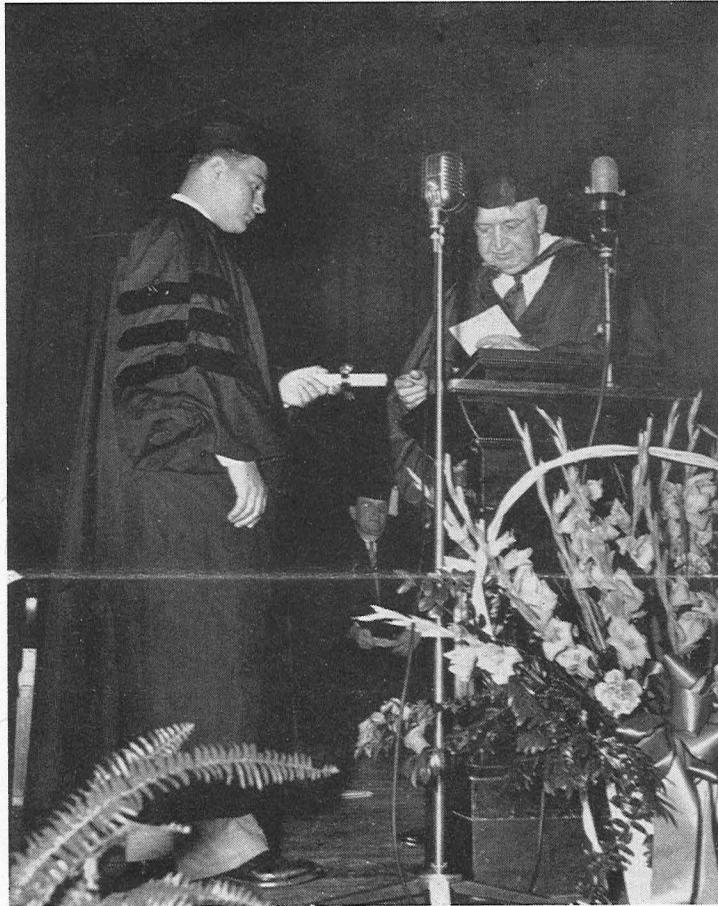
Mr. Bridges succeeds Jubal Boggs who recently resigned from the Council following his retirement as manager of Perkins Brothers in Sulphur Springs. A. D. Simpson of Clarksville is chairman of the region for the Council.

### NEW SCHOOL YEAR

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applicants. From this list 350 finally were chosen for personal interview by the Admissions Committee.

The new class, representing a wide geographical distribution, follows: Kenneth Oscar Adwan, Henryetta, Okla.; Flora Katherine Anderson, Abilene; Bertrand D. Arbuckle, Corpus Christi; John R. Archer, Amarillo; Joe B. Caldwell, Kaufman; Robert D. Campbell, Dallas; Lawrence M. Castleberry, Albany, Texas; Harbert Clarence Chancellor, Jr., Dallas; Cesar Augusto Collazo, Juncos, Puerto Rico; Robert B. Connor, Daingerfield; Enoch B. Cox, Jr., Abilene; Jeff H. Davis, Lubbock; Arthur T. de Larios, Dallas; Haskell E. Downs, Fort Worth; Turner D. Epps, Dallas; Walter D. Feinberg, Clovis, N. M.; James D. Fogelman, Dallas; James W. Gilbert, Wichita Falls; Ladislav Glattstein, El Paso; James P. Goldsmith, Quitman; Edgar R. Halden, Jr., Austin; Homer H. Hanna, Dallas; Carlton E. Hardey, Lubbock; John Wallace Hardin, Tyler; William S. Harris, Dallas; Edwin S. Harrison, Fort Worth; William M. Haynes, Dallas; Ernest T. Herndon, Dallas; Lester A. Hodges, Sulphur Springs; Homer C. Jones, Jr., Thoreau, N. M.; Jack Grundy Jordan, Tulia; John R. Kane, Tucson; Ralph W. Knight, Wichita Falls; Elbert H. Lewis, Denton; Hunter W. Lewis, Mesilla Park, N. M.; Ellen Loeb, Dallas; Guy Marlow, Dallas; William S. Marrow, Quanah; Marian Jeanette Moeller, Hiawatha, Kan.; Kendall H. Moore, Dallas; James R. Morgan, Rotan; Robert M. Ollerton, Phoenix; John R. Pierce, Dallas; Charles Pullen, Flagstaff, Ariz.; Farley S. Reasonover, Dallas; Thomas W. Renfro, Mt. Pleasant; Keith Ivan Robinowitz, Dallas; David L. Robinson, Dallas; John R. Rountree, Dallas; James W. Sewell, Dallas; Marvin G. Shepard, Nacogdoches; George P. Shropulos, Dallas; John D. Silverthorne, Phoenix; Loyd C. Smith, Sanderson; Wright K. Smith, Jr., Dallas; Richard A. Sparr, Dallas; John S. Spratt, Jr., Dallas; Homer C. Stuntz, Austin; Theodore T. Teel, Jr., Dallas; George J. Thomas, Port Arthur; Frances Lora Tompkins, Dallas; Russell L. Turner, Jr., Dallas; Anthony G. Ulrich, Houston; Harold John Warkentin, Premont, Tex.; Ralph M. Wexler, Texarkana; Ben H. White, Brady; Carl E. Williford, Fairfield; and James E. Wood, Muskogee, Okla.



**WINS HO DIN AWARD**—George T. Shires of Dallas, member of the 1948 graduating class of Southwestern Medical College, receives the Ho Din Award from Dr. E. H. Cary, president of the College, at the sixth annual commencement exercises. The award is presented each year to an outstanding student of the school.

Reprinted from Dallas Morning News

## Medical Movie Shows Need for Simplifying Childbirth Care

By Helen Bullock

If you stayed in bed three weeks after your last baby, and then pampered yourself for another month, maybe you shouldn't have.

The need for simplifying childbirth care is the theme of a medical movie recently made at Parkland Hospital and Southwestern Medical College.

The narrator of the film points out that having babies is a natural and normal process, achieved for centuries without being treated as a long, serious illness. Only in recent years has obstetric care grown over-complicated.

The narrator is Dr. William F. Mengert, chairman of the department of obstetrics and gynecology at both Parkland and Southwestern. The 45-minute colored movie is titled *Simplified Obstetric Care*.

The scenes are authentic. The actors are not acting. They are real nurses, doctors, patients and newborn babies at Parkland, where simplified care has been practiced since 1944.

It has been successful on more than 6,000 patients, Dr. Mengert reported.

The movie is chiefly a teaching film for medical students, nurses and physicians. The first

two thirds, depicting the hospital routine from labor through birth of the infant, is technical.

In this portion of the film, the philosophy of simplification is largely up to the doctor. But the later scenes have a message for all women.

As soon as she regains full consciousness after the baby's birth, the mother is allowed to turn in bed at will. She may have her bed elevated. She is not coddled with liquids but put on a good general diet.

The first or second day after the birth the mother bathes herself in bed. She sits on the edge of the bed and swings her feet. The next day she walks to the bathroom for a shower.

Within seven days she goes home—not prone in an ambulance, but sitting up in her husband's car. She is allowed to do what she pleases in the way of housework. She can walk right on up the stairs if she wants to.

There is nothing about having a baby which makes climbing stairs undesirable," says the narrator.

In one way, the philosophy of early return to normal activity is radically new, Dr. Mengert

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## 1948 Grads Busy In Internships

The 50 members of the sixth graduating class of Southwestern Medical College who received their degrees of Doctor of Medicine in June are now busily engaged in serving their apprenticeships in various assignments all over the nation.

The graduates and their apprenticeships are: Frank H. Austin, Jr., U. S. Navy; Dan L. Berger, Kansas City General Hospital; Ben W. Bowden, Shreveport Charity Hospital; Morris T. Bronstad, Jr., Wayne City Hospital, Elouise, Mich.; Carl Albert Bunde, none; Arch D. Carson, Denver General Hospital; Gus G. Caston, Duke University Hospital, Durham, N. C.; Martin H. Chester, Los Angeles City Hospital; Richard W. Cletsoway, Kansas City General Hospital; Richard E. Collier, Baylor Hospital, Dallas; William L. J. Edwards, Peter B. Brigham Hospital, Boston.

Maurice Estes, Methodist Hospital, Indianapolis; James C. Flanagan, Jr., Crawford Long Memorial Hospital, Atlanta; Kenneth Foree III, Parkland Hospital, Dallas; Jerome Gaber, Mt. Sinai Hospital, Baltimore; William E. Gibbons, St. Paul Hospital, Dallas; George P. Goossen, U. S. Marine Hospital, Chicago; Jules Hirsch, Duke University Hospital, Bryce G. Hughett, Parkland Hospital; Thurman A. Hunt, Kansas City General Hospital; Alfred L. Ingerick, St. Mary's Hospital, Huntington, W. Va.; Charlie R. Jernigan, Parkland Hospital; Joseph H. Leep, Blodgett Hospital, Grand Rapids, Mich.

Joseph Lehman, Baylor Hospital; Alan E. Lindsay, Parkland Hospital; Charles H. Lodowski, Parkland Hospital; James L. Mav, Baylor Hospital; Robert S. Meador, Scott and White Hospital, Temple; William H. Mosby, Charity Hospital, New Orleans; Gerald G. Mullikin, Baylor Hospital; Arthur A. Murray, U. S. Army; Arthur G. Nelson, St. Luke's Hospital, Chicago; Tom E. Nesbitt, University Hospital, Ann Arbor, Mich.; Peggy J. Newman, Albany Hospital, Albany, N. Y.; Paul W. Palmer, U. S. Army; Erwin G. Pear, King's County Hospital, Brooklyn; Dogan Perese, Albany Hospital; Graham L. Pierce, Jr., John Sealy Hospital, Galveston; Harry Rasansky, Mt. Sinai Hospital, Philadelphia.

Jacob H. Robbins, Los Angeles County Hospital; Fabian J. Robinson, Parkland Hospital; John P. Schott, Santa Clara County Hospital, San Jose, Calif.; George T. Shires, Massachusetts Memorial Hospital, Boston; James W. Terrell, Harris Memorial Hospital, Fort Worth; Felix J. Vendrell, Hermann Hospital, Houston; Jack A. Walker, Harris Memorial Hospital; Maurice R. Wingo, U. S. Marine Hospital, Cleveland, Ohio; and Christine A. Zarafonetis, Parkland Hospital.

## \$5,565 Grant Made For Blood Pressure Study

The Life Insurance Medical Research Fund, New York, has awarded Southwestern Medical College a \$5,565 grant to be used by Dr. Arthur Grollman in the study of high blood pressure.

Dr. Grollman, chairman of Southwestern's department of experimental medicine, in March won the Dallas Southern Clinical Society's second annual Oscar M. Marchmann award for research.

The grant is part of \$484,790 to be given this year for heart disease study in thirty-one hospitals, schools and clinics of the nation. The University of Texas won \$6,300 for research by Dr. George A. Emerson on the effects of cancer on heart disease.

The fund is supported by 149 life insurance companies and has awarded \$1,300.00 for research since it was organized in December, 1945.

## MEDICAL MOVIE

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said. In another way it is ancient.

"It's just a swing back to the ways of Nature."

The film emphasizes two facts about simplified care: (1) It is for normal mothers, not sick ones, and (2) women are never forced out of bed and marched up and down the hospital halls—the early activity is moderate, and not violently imposed.

The motion picture was the medical school's first venture into movie making. The photography is clear, and the message is put across interestingly and logically. As soon as the sound track is improved, the movie will be ready to go to medical conventions.

It was produced under Dr. Mengert's direction by the school's department of visual education and medical art, headed by Prof. Lewis Waters.



**DRAWING HUMAN INTERIORS**—William A. Osburn, student of Southwestern Medical College and Southern Methodist University, following his graduation with a degree of Bachelor of Arts in Medical Art will enter a new field—sketching the vital organs of human beings while surgical operations are in process. The drawings will be used later for study by medical students. The work formerly was done with photography, but it has been discovered that drawings are to be preferred because so much of the confusing detail can be omitted.

## Exhibit Sums Up Cancer Research

Three members of the faculty of Southwestern Medical College presented a scientific exhibit summarizing work done in the diagnosis of cancer of the stomach and related disorders before the annual meeting of the American Medical Association in Chicago recently.

The exhibit was prepared by

Dr. Cecil O. Patterson, clinical associate professor of Medicine and Gastroscopy; Dr. Milford O. Rouse, clinical professor of Medicine; and Professor Lewis B. Waters, chairman of the department of medical art and visual education.

The exhibit, among other points, set forth that cancer of the stomach is the largest cancer killer in human beings, claiming about 40,000 persons annually in the United States.

## Dr. Goth To Study Uses of New Drugs

Southwestern Medical Foundation has received a research grant of \$3,000 from the Upjohn Company, Dr. E. H. Cary, president, has announced.

The grant will be used by Dr. Andres Goth, associate professor of pharmacology, in the study of certain new drugs which he has developed for the treatment of infectious diseases, including tuberculosis.

## CANCER LAB

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Dr. Reid estimated that "roughly \$5,000,000" will be spent this year on projects aiming at the same end his group will be working toward.

Typical of the "leads" followed was one pursued in the search for a cure for leukemia, which Dr. Reid characterized as "a form of cancer, although more difficult to deal with since there is no single concentration of diseased cells."

Researchers discovered that radioactive phosphorus, taken internally, would go to the site of the diseased cells, in this case white blood corpuscles which magnify rapidly and destroy red blood cells, in the bone and there "burn out" their function.

In many cases, leukemia victims have been kept alive two years longer in this way, he explained. Eventually, however, a saturation point is reached and the phosphorus no longer works.

"But it's still a good lead," Dr. Reid declared.

This lead, added to others which will come from the use of radioactive materials, may yet provide the ultimate answer.

They will be followed up in the new biophysics laboratory, where experts will study the effect of cancerous cells on hormones and other substances in metabolism. Aiding in this study will be "tracer compounds," whose radioactive properties will "light up" body processes.

"It's as if a small light were attached to the compound, by which its complicated maneuvers can be followed—like a lightning bug on a summer night," Dr. Reid said.

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