Eighth Annual Clinical Conference
November 8 and 9

"Tumors of Bone and Soft Tissue" will be the subject of the Eighth Annual Clinical Conference to be held November 8 and 9, 1963, at MDAH.

The program will include formal papers and panel discussions which treat the etiology, diagnosis, and treatment of tumors of bone and soft tissue. The experiences at MDAH with bone and soft tissue tumors will be summarized by speakers from this institution, while the experiences of other institutions will be presented by guest speakers.

Guest Speakers

Guest speakers include: David C. Dahlin, Mayo Foundation, Rochester, Minnesota; Franz Enzinger, Armed Forces Institute of Pathology, Washington, D.C.; Charles F. Geschickter, Georgetown University Medical School, Washington, D.C.; Henry L. Jaffe, Hospital for Joint Diseases, New York, New York; Gwilym S. Lodwick, The University of Missouri Medical School, Columbia, Missouri; Robert A. Robinson, Johns Hopkins University School of Medicine, Baltimore, Maryland; and Mary S. Sherman, Ochsner Clinic, New Orleans, Louisiana.

MDAH Speakers

Speakers from MDAH will include the following: R. Lee Clark; Murray M. Copeland; E.C. White; Herman D. Suit; Frank F. Parrish; Luis Delelos; Nylene Eckles; Richard G. Martin; James J. Butler; Jorge Albores-Saavedra; John S. Stehlin, Jr.; and John P. McGraw.

Conferences Are Held Annually

The Clinical Conferences have been an annual feature of MDAH since 1956. The object of the conferences is to present to the physicians of Texas a summary of the latest advances in a specialized area of cancer diagnosis and treatment. Co-sponsor of the conference is The University of Texas Graduate School of Biomedical Sciences at Houston.

Boon to Research in Clinical Pathology

Cancer Research
$3.5 Million
A First

These words spell out the story of one of the most exciting monetary awards ever made to The University of Texas M. D. Anderson Hospital and Tumor Institute, or anywhere, for that matter.

For the first time in history, the U.S. Public Health Service has supported a comprehensive program of research in clinical pathology related to cancer.

Not that Public Health Service grants are new to MDAH, nor are awards for programs in research clinical pathology. What is unique about this award is the manner—meaning magnitude in scope and depth—in which the research subject will be approached over a long-term period.

$3,500,000 in Five Years

The grant is expected to run for five years. $619,725 has been made available for the first year. Subject to availability of funds and upon recommendation for continuing the grant, support for each of the following four years will amount to approximately $700,000 per year. Over the five-year period, the total sum allotted will come to about $3,500,000. The funds will be provided by the National Cancer Institute upon recommendation of the National Advisory Cancer Council.

Research Program

Research efforts will encompass such sciences as immunohematology, microbiology, and virology, and will be directed toward cancer diagnosis, prognosis, and results of treatment. A primary purpose will be to shorten the time lapse between laboratory discovery and clinical application. The research program will include the following: Providing research facilities for developing new (Grant, continued on page 2)
At MDAH

At present, Dr. Tulinius is engaged in research investigating factors determining the distribution of antibrin antibodies in tissues. It has been shown that the radioactive labeled antibody against human fibrin can localize in tumors, however, the amount of antibody taken up by the tumors is variable. Dr. Tulinius is investigating the factors responsible for tumor uptake of antibody in order to improve the rate and total quantity of uptake.

As a result of Dr. Tulinius' demonstrated research accomplishments, in June of this year, the Nordisk Cancer Union, comprising the five national cancer societies of Sweden, Norway, Denmark, Finland, and Iceland, named Dr. Tulinius as the recipient of their annual award for meritorious work in cancer research.

Natrona County, Wyoming Fellowship in Cancer Research

Icelander Named

Rarely in the experience of hospital financing does an offer of funds to assist in the support of patient care or research come with the ease and graciousness with which one such offer came to MDAH this summer.

Early in June, a letter was received from the Natrona County (Wyoming) Health Fund Board stating that the Fund found itself "in possession of some funds not badly needed for our local health program." The letter went on, the directors of the Fund were considering offering funds to M. D. Anderson Hospital and Tumor Institute for partial support of a research fellow in cancer, and requested information concerning research workers at MDAH, and the hospital grant and fellowship programs.

Correspondence continued between the directors of the Natrona County Health Fund and the hospital's associate director for education, Murray M. Copeland. Less than a month from the time the initial letter from Wyoming had been received, another letter arrived. The letter began:

"... happy to say that my committee met today and decided to award you a $3,000 grant to help a research fellow on your staff. We hope to make this a continuing fellowship in half the amount so that you can anticipate a check for $1,500 on or about July 1st each year."

And so the Natrona County, Wyoming Fellowship became effective October 1 and will continue through September 30, 1964.

Dr. Tulinius graduated from the School of Medicine, University of Iceland, Reykjavik, Iceland. His postgraduate training in pathology includes study under Professor Niels Dunga1 in the Department of Pathology at the University of Iceland; and under Dr. Wolfgang Oehlert at the University of Freiberg in Germany, where he investigated by autoradiographic techniques skin tumors produced by carcinogens.

Dr. Tulinius, who has been associated with MDAH since September, 1962, conducting research in connection with his position as fellow in pathology. His appointment as Natrona County, Wyoming Fellow became effective October 1 and will continue through September 30, 1964.

The first recipient of the Natrona County, Wyoming Fellowship is Dr. Hrafn Tulinius, who has been associated with MDAH since September, 1962, conducting research in connection with his position as fellow in pathology. His appointment as Natrona County, Wyoming Fellow became effective October 1 and will continue through September 30, 1964.

1. Tulinius, Hrafn.

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1963 Summer Program
In the Biomedical Sciences

The 1963 Summer Program in the Biomedical Sciences, conducted each summer at MDAH for outstanding Texas high school students, was held this year from June 10 through August 2.

The eight-week program is an annual event of the Texas cancer facility. Originally the training session was supported by the National Science Foundation, but it is now completely under the sponsorship of MDAH.

To participate in the program, a student must have completed his junior or senior year in a Texas high school and have the recommendation of the director of a previous summer program. Those selected are chosen on the basis of scholastic ability and scientific motivation. They receive appointments in departments at the hospital where, under the supervision of full-time staff members, they work on research projects.

The eight students who participated in the program this year, the names of their supervisors, and the areas of research in which they studied include the following shown left to right in the picture above:

Malcolm R. Barclay of Baytown, supervised by Dr. Thomas Matney, conducted genetic investigations.

Travis P. Bray, Jr., of Baytown was supervised by Dr. Daniel Billen and did research in the area of radiation biology.

Mary Elizabeth Elliott, Bellaire, received training in epidemiological research under the supervision of Miss Eleanor Macdonald.

Robert Giddings of Georgetown conducted studies on tissue cultures of human leukemia, supervised by Dr. Joseph Sinkovics.

Kenneth W. Gideon of Lubbock studied anesthesiology and computer patient monitoring under the supervision of Dr. William Derrick.

Jean McGlone of Wichita Falls was supervised by Dr. Reimut Wette in her studies on the computer analysis of drug and chemical treatments for cancer.

Robert P. Thompson of Texas City assisted in research conducted on the disintegration of radioactive materials, under the supervision of Dr. Ronald Humphrey.

Richard B. Wesley of Beaumont studied the various radiotherapeutic methods used in cancer therapy, and was supervised by Ralph Worsnop.

Blackford Memorial Lectures

The two MDAH associate directors were speakers for the Eighth Annual Blackford Memorial Lectures, held this year on September 7 and 8 at Tanglewood-On-The-Lake Country Club in the Sherman-Denison area.

Dr. Robert C. Hickey, associate director for research, spoke during the September 8 morning session on "Rationale for Surgery in Chronic Ulcerative Colitis and Cancer." At the afternoon session, Dr. Murray M. Copeland, associate director for education, spoke on "Management of Breast Tumors." Dr. Charles Sprague, dean of Tulane University School of Medicine, was the third featured speaker for the program.

The Blackford Memorial Lectures were established in 1956 through the endowment of Mrs. Clara Blackford Smith in honor of her father, the late G.L. Blackford of Denison. The annual group of lectures, held in the Sherman-Denison area, is designed to present physicians with the latest information on diagnosis and treatment of cancer. This year the lectures were co-sponsored by the Grayson County Medical Society and the 14th District of the Texas Medical Association.

The Blackford Memorial Lectures were first held at Denison on November 13, 1956, and were sponsored by the Grayson County Medical Society. At that initial meeting, MDAH speakers were Gilbert H. Fletcher, radiology department head and R. Lee Clark.
Grants Support MDAH Research and Education

A total of $1,415,695, representing nine grants, has been awarded to MDAH in support of research and education.

The National Cancer Institute of the U.S. Public Health Service awarded:
1. $27,130 to Daniel Billen, radiation biologist, for studies on tissue cultured cells of he蕈ic origin in x-rayed mice.
2. $608,727 to R. Lee Clark, Director and Surgeon-in-Chief, for the third year of a program in cancer clinical research.
3. $91,515 to Clifton F. Mountain, associate general surgeon (thoracic), for the first year of a five-year cooperative lung study program.
4. $619,725 to William O. Russell, pathologist, for the first year of a five-year research program in clinical pathology of cancer. (See story, page 1.)
5. $20,304 to Darrell N. Ward, biochemist, for the first year of a five-year award for a cancer biochemistry research training program.

Other grants received recently include the following:
1. $13,819 to Robert C. Hickey, associate director for research, in supplemental support of a general research grant, from the Division of Research Facilities and Resources of the U.S. Public Health Service.
2. $7,850 to Murray Copeland, associate director for education, for conduct of a clinical conference on tumors of bone and soft tissue, also from the U.S. Public Health Service.
3. $21,625 to Thomas S. Matney, associate biochemist, from the National Science Foundation as a two-year award for studies on recombination in bacteria.
4. $3,000 to John E. Healey, Jr., associate experimental surgeon, from Ethicon in support of three months of study on the nonsuture repair of body tissues using a plastic adhesive.

Two Books off the Press

In August, two books on cancer, prepared by MDAH staff members, were released by well-known publishing firms.

Seventh Year Book of Cancer

The seventh edition of the *Year Book of Cancer* (1962-1963 series) was published by the Year Book Medical Publishers, Inc., of Chicago, who have published the series since 1936.

The *Year Book* is a collection of abstracts of 334 articles selected from a field of 5,000 articles about cancer published during the past year. The 524-page volume was compiled and edited by R. Lee Clark and Russell W. Cumley, assisted by an editorial board of 128 physicians and scientists.

Fundamental Symposium Volume

*Conceptual Advances in Immunology and Oncology* is a collection of papers presented at MDAH in 1962 at the Sixteenth Annual Symposium on Fundamental Cancer Research. The 557-page volume was published by Hoeber Medical Division of Harper & Row, Publishers, Inc., of New York.

In *Conceptual Advances* are papers which represent the most recent theoretical and technological advances in immunology and oncology, together with the open discussion sessions which followed presentation of the papers.

Copies of the *Year Book of Cancer* may be obtained from the Year Book Medical Publishers, Inc., 200 East Illinois Street, Chicago 11, Illinois. The price is $8.50.

*Conceptual Advances in Immunology and Oncology* may be obtained from Hoeber Medical Division, Harper & Row, Publishers, Inc., 49 East Thirty-Third Street, New York 16, New York, $16.00.

Staff Member Receives National Appointments

Dr. Lee E. Farr, chief of the section of nuclear medicine at MDAH, has recently been reappointed to three positions of note within the National Research Council.

Announcement of the appointments, all for the period 1963-1964, was made in letters to Dr. Farr from Dr. R. Keith Cannan, Chairman of the Division of Medical Sciences of the National Acadeny of Sciences and the National Research Council. Dr. Farr has been a member of this committee since 1955 and chairman since 1956.

NEW STAFF

Newly appointed staff members at MDAH include the following:

John M. Bardwil has been appointed assistant head and neck surgeon, department of surgery. Dr. Bardwil received the M.D. degree at The University of Texas Medical Branch; he served his internship at St. Joseph's Hospital, Fort Worth, and his residency at the Veterans Administration Hospital, Dallas. He was a senior fellow in surgery at MDAH preceding his staff appointment.

William A. Boyd has joined the MDAH staff as clinical physiologist and chief, section of experimental anesthesiology, department of surgery. Dr. Boyd formerly had the post of chief anesthesiologist at the Irwin U. S. Army Hospital, Fort Riley, Kansas. He received his Ph.D. degree at The University of Illinois and his M.D. degree at Boston University School of Medicine. Dr. Boyd served his internship at Newton-Wellesley Hospital and his residency at Boston City Hospital.

John Charles Gallagher has been appointed clinical assistant (part time), department of medicine. Dr. Gallagher received his M.D. degree at the University of Alabama Medical College; he served his internship at Cincinnati General Hospital and his residency at Jefferson Davis Hospital. He has also served as a fellow in medicine (diabetic-metabolic section) at Baylor University College of Medicine.

Eugene Philip Goldschmidt has accepted the appointment of associate biologist, department of biology. Dr. Goldschmidt received the M.S. degree from the University of Michigan and the Ph.D. degree from Purdue University. Following a postdoctoral fellowship in dental bacteriology at Western Reserve University School of Medicine, he held appointments as assistant professor of general microbiology and microbial physiology at the University of Georgia and special lecturer at The University of Texas in Austin.

Lynn C. Hayward has been appointed manager of computer operations, office of research. He was awarded the A. A. degree by Santa Monica City College and the B.A. and M.S. degrees by the University of California at Los Angeles. Prior to joining the MDAH staff, Mr. Hayward held the position of head of re- (New Staff, continued on page 3)
search and development at the Health Sciences Computing Facility, School of Medicine, University of California Medical Center.

Carey Stratton Hill, Jr., has been named assistant internist, department of medicine. Dr. Hill was trained in medicine at the University of Tennessee College of Medicine and served his internship at The University of Texas Medical Branch. After a residency at Manhattan Veterans Administration, Bellevue, and Memorial Hospitals, and Seton Hall College of Medicine, he held the appointment of assistant professor of medicine at Seton Hall College of Medicine.

Lubomir Sidonius Hnilica has been appointed assistant biochemist, department of biochemistry. Dr. Hnilica served as a postdoctoral fellow at The Cancer Research Institute in Bratislava and as a World Health Organization fellow at The Chester Beatty Research Institute in London. Prior to his appointment at MDAH, he was assistant professor of biochemistry at Baylor University College of Medicine. Dr. Hnilica received his Ph.D. degree from the Masaryk University, Brno, Czechoslovakia.

Ethem Yildirim Kuzucu has been named assistant in anesthesiology (part time), section of anesthesiology, department of surgery. Dr. Kuzucu received medical training at Istanbul University. He served an internship at Bristol Hospital in Connecticut and residencies at Bridgeport Hospital, Connecticut, Robert Packer Hospital, Pennsylvania, and Yale University Medical Center.

The appointment of Manley Mandel as associate biologist and acting chief, section of molecular biology, department of biology, has been announced. Dr. Mandel received M.S. and Ph.D. degrees from Michigan State University. His previous appointments include assistant professor of microbiology at the University of Massachusetts and research associate at Brandeis University.

Robert F. McGregor, has accepted the position of assistant biochemist, section of research clinical pathology, department of pathology. Dr. McGregor obtained his M.S. degree from the University of Wyoming and his Ph.D. degree from Baylor University College of Medicine. Dr. McGregor was formerly instructor in biochemistry at the University of North Dakota School of Medicine.

Jean M. B. Mouré has joined the MDAH staff (part time) as clinical assistant and chief, laboratory of clinical encephalography, department of medicine. Dr. Mouré received the M.D. degree at the Royal Free Hospital School of Medicine in London, and served her internship there and at the Nottingham General Hospital. She underwent residency training in internal medicine at Nottingham General Hospital and in clinical neurology at Baylor University where she served as a fellow in electroencephalography.

William Harrison Munyon has accepted the position of assistant biologist, section of virology and electron microscopy, department of biology, Dr. Munyon was awarded his M.D. degree from the University of Michigan Medical School and served as a rotating intern at Gorgas Hospital in the Panama Canal Zone. Since the completion of his internship, Dr. Munyon has been associated with the Laboratory of Cell Biology at the National Institutes of Health.

Maryon W. Ruchelman has joined the staff as assistant biochemist, isotope-endocrine service, department of medicine. Dr. Ruchelman received the M.S. degree from the Texas College of Arts and Industries and the Ph.D. degree from the University of Houston. During her postdoctoral training, she was recipient of a Welch Foundation Fellowship and a National Science Foundation Fellowship.

Martha R. Sheek has been appointed research associate (temporary), section of radiation biology, department of biology. Dr. Sheek received M.A. and Ph.D. degrees from the University of Illinois. She has held appointments of assistant in bacteriology at the University of Illinois; research investigator for the Upjohn Company, Kalamazoo, Michigan; and instructor in microbiology at Saint Louis University School of Medicine.

John A. Shively has been named pathologist and chief, section of clinical pathology, department of pathology. Dr. Shively received his M.D. degree at Indiana University School of Medicine, and interned at the Philadelphia General Hospital. He did residency training at the Baylor-Nickel Clinic and Hospital, Bluffton, Indiana, and studied as a fellow in clinical pathology at the South Bend Medical Foundation. He has been clinical pathologist, Indianapolis General Hospital, and associate professor of pathology, University of Kentucky College of Medicine.

Michael H. Siegelman, a commissioned officer of the U.S. Public Health Service representing the National Cancer Institute, has been assigned to the headquarters of the Southwest Cancer Chemotherapy Study Group as Liaison Officer. Dr. Siegelman was awarded the M.D. degree from the New York University School of Medicine, New York, New York, and served his internship and residency at Maimonides Hospital, Brooklyn, New York. Julian P. Smith has accepted the position of research associate, section of gynecology, department of surgery. After receiving the M.D. degree at Columbia University College of Physicians and Surgeons, Dr. Smith served his internship at the University Hospitals of Cleveland and his residency at Lying-In Hospital and Columbia Presbyterian Hospital. He was in private practice before joining the staff of MDAH.

Travis E. Stubblefield has been named research associate, section of cytology, department of biology. Dr. Stubblefield was awarded his M.S. and Ph.D. degrees from the University of Wisconsin. He has recently returned from Tubingen, West Germany, where he worked as a postdoctoral fellow at the Max-Planck Institute for Virology.

Norah deVernet Tapley has been appointed associate radiotherapist, department of radiology. After receiving her M.D. degree at Columbia University College of Physicians and Surgeons, Dr. Tapley served her internship at Hartford Hospital and her residency at Hartford Hospital and Columbia-Presbyterian Medical Center. She has held appointments of assistant professor of radiology, Columbia University; director of radiation therapy, Presbyterian Hospital, Columbia-Presbyterian Medical Center; and special assistant to associate director, grants and training, National Cancer Institute.

Carl Frederick Tessmer has accepted the position of pathologist and chief, section of experimental pathology, department of pathology. He received his M.D. degree at the University of Pittsburgh School of Medicine; he interned at the University of Pittsburgh Medical Center and was a resident at Presbyterian Hospital in Pittsburgh. He has also served as a fellow in pathology at the Mayo Clinic, and is a diplomate of the American Board of Pathology. Since 1940, Dr. Tessmer has been on active duty in the U.S. Army, Medical Corps. During that time, his appointments have included: Director, Atomic Bomb Casualty Commission; Commanding Officer, Army Medical Research Labor-
oratory, Fort Knox, Kentucky; Chief, Radiation Pathology Branch, and Chief, Basic Sciences Division, Armed Forces Institute of Pathology, Washington, D.C. Dr. Tessmer has been awarded the Gold Medal Award, Scientific Exhibit, American Society of Clinical Pathologists and was the 1960 Heikoen Lecturer.

Tadashi Utakoji has been appointed research associate, section of cytology, department of biology. Dr. Utakoji received the M.D. degree and the Doctor of Medical Science degree from the University of Tokyo School of Medicine. He served his internship and residency at Tokyo University Hospital, and prior to his appointment at MDAH, was instructor in clinical surgery at the Tokyo University Hospital.

Scientific Presentations

Daniel E. Bergsagel, associate internist, "Bone Marrow and Peripheral Blood Abnormalities." At a Conference on Hydroxyurea, Southwest Cancer Chemotherapy Study Group, Dallas, Texas, June 21, 1963.

James J. Butler, assistant pathologist. "Neoplasia." At The University of Texas Department of Microbiology, Austin, Texas, August 16, 1963.


Schron C. Dale, associate internist, "Geriatrics Care in Gynecology." Course in Obstetrics and Gynecology at The University of Texas Postgraduate School of Medicine, Houston, Texas, June 10, 1963.

Luis Delclos, assistant radiotherapist. "Treatment of Carcinoma of the Cervix, Endometrium and Ovary." At the Facultad de Medicina, Zaragoza, Spain, August 15, 1963; Colegio de Medicos, Taragona, Spain, August 15, 1963; and Sociedad Espanola de Radiologia, Barcelona, Spain, August 15, 1963.

William C. Dewey, associate physicist. "Use of Radioscopes in Medicine." At the Summer Program in Biomedical Sciences, MDAH, June 17, 1963; and "The Use of Radioactive Phosphorus (P32) and a Miniature Geiger Tube to Detect Malignant Neoplasia of the Gastrointestinal Tract." At the Society of Nuclear Medicine, Montreal, Canada, June 28, 1963.


Lee E. Farr, chief, section of nuclear medicine. "Nuclear Medicine and Radiation Hazards." At the Harris County Academy of General Practice, Houston, Texas, July 8, 1963; and "Thyroidal Jeopardy from Isotopic Radiation: Diagnostic Risks and Fall-Out Hazards from Weapons Testing." At the VII South American Pediatric Congress and VII Pan American Pediatric Congress, Quito, Ecuador, August 1, 1963.


H. Stephen Gallagher, associate pathologist. "The Place of Pathology in Modern Medicine." At the University of Texas Department of Microbiology, Austin, Texas, July 19, 1963.

John E. Healey, Jr., chief, section of experimental surgery. "Anatomy of the Larynx." Short Course in Rehabilitation of the Laryngectomee, The University of Texas Postgraduate School of Medicine, Houston, Texas, July 8, 1963; and "Role of Experimental Surgery in Cancer Research." At a Meeting for Summer Students at Anderson Hospital, MDAH, July 10, 1963.

Robert C. Hickey, associate director for research. "Appendicitis and the Acute Abdomen." At the Harris County Academy of General Practice, Houston, Texas, June 10, 1963; "Program of the Cancer Committee of the American College of Surgeons." At the American Cancer Society Meeting, Abilene, Texas, July 9, 1963; and "The Research Program of The University of Texas M. D. Anderson Hospital and Tumor Institute." At the Exchange Club of Metropolitan Houston, Houston, Texas, August 21, 1963.


David Marrack, chief, section of research clinical pathology. "Kinetics and Distribution of I131 Labeled Rabbit Anti-Human Fibrinogen in Man." At the Fifth International Congress of Clinical Chemistry, Detroit, Michigan, August 20, 1963.

(Presentations, continued on page 7)
Texas Division American Cancer Society Awards Fellowships

The Texas Division Executive Committee of the American Cancer Society has approved two fellowship awards to doctors in training at MDAH. Each award is in the amount of $3,600, and the training period will be effective for the period July 1, 1963, through June 30, 1964.

Dr. Charles R. Galloway, recipient of one of the awards, will serve half of his fellowship appointment at MDAH and the other half at The University of Texas Dental Branch, located adjacent to MDAH in the Texas Medical Center.

Dr. Charles D. Ruffino received the other fellowship. Prior to receiving the award, Dr. Ruffino had spent three months at MDAH in the capacity of observer. He is now participating actively in surgical procedures in the head and neck section, department of surgery.

Clifton F. Mountain, assistant general surgeon. "Use of Computers for Medical Diagnosis." At the 18th Annual Meeting of the Association for Computing Machinery, Denver, Colorado, August 30, 1963.


Felix Rutledge, chief, section of gynecology. "Treatment of Female Pelvic Malignancies." At the Obstetrics and Gynecology Departmental Meeting, Albert Einstein College of Medicine and Yeshiva University Hospital, New York City, New York, July 19, 1963; "Carcinoma of the Cervix, Diagnosis and Treatment." At the University of Texas Postgraduate Course in Obstetrics and Gynecology, The University of Texas Medical Branch, Galveston, Texas, August 10, 1963; and "Adenocarcinoma of Endometrium." Panel Moderator, The University of Texas Postgraduate Course in Obstetrics and Gynecology, The University of Texas Medical Branch, Galveston, Texas, August 10, 1963.


Joseph G. Sinkovics, associate internist. "Lymphocytic Activities in

Book Review


"The conferences on cancer at the University of Texas M. D. Anderson Hospital and Tumor Institute have all been outstanding discussions of the diagnosis and treatment of cancer, as any who have been fortunate enough to attend can testify. The conference of 1960 was designed especially for those concerned with diagnosing and treating malignancies of the reproductive tract and included the cervix, endometrium, and ovary. Carcinoma of the cervix accounts for 20%, endometrium 8%, and ovary 5% of all carcinomas in women, and it is probably fitting that two thirds of the book should be devoted to cancer of the cervix...

"The material in this book has been well prepared by men and women who are specialists in their fields, and it provides authoritative, up-to-date information on most aspects of diagnosis and treatment of carcinoma of the female reproductive system. It should be of much value to all gynecologists and radiotherapists as well as to students who are just being introduced to this subject."


J. Leslie Smith, Jr., associate pathologist. "Disorders of the Circulatory System." At The University of Texas Department of Microbiology, Austin, Texas, July 26, 1963.


Mrs. Edna Wagner, director, medical social service. "Social Service and the Laryngectomee." At a Short course in Rehabilitation of the Laryngectomee, The University of Texas Postgraduate School of Medicine, Houston, Texas, July 16, 1963.
THE CIRCUS COMES TO MDAH! The Arabia Temple clowns of Texas held their state convention in Houston this summer and, as part of their activities, visited pediatric patients at hospitals in the Texas Medical Center. Pictured are some of the clowns who helped liven the day for youngsters hospitalized at MDAH.


1964 Symposium Chairman

Dr. Robert J. Shalek, head of the department of physics, has been named chairman of the 1964 Symposium Committee. The Eighteenth Annual Symposium on Fundamental Cancer Research, entitled "Cellular Radiation Biology," is to be held March 2, 3, and 4, 1964. Radiation effects in the cell and possible implications for cancer therapy will be considered.

Noted men of science will address the symposium and discuss their research investigations. These presentations will be published in a monograph following the symposium.