

THE UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE

NEWS LETTER

For the Physicians of Texas

December 1967 • Vol. 12, No. 4

Texas Medical Center • Houston, Texas 77025

MDA-TV Begins Daily Broadcast

Under the direction of the department of medical communications, MDAH's closed-circuit television system recently began broadcasting on a daily basis.

Channel 4, which is on the air four to six hours a day, broadcasts live and video tape programs for the benefit of the hospital's professional staff and employees and for patients and their families.

At present, all of the live programs originate within the institution. Hospital bulletins and news are transmitted four times daily. Programs of general interest to any one in the institution, such as a series on hospital emergency procedures, also are televised. "Report '64", a film about MDAH, is broadcast once a week.



Bill Conkright, program director in the dept. of medical communications, delivers hospital bulletins on MDA-TV's "The Memo Pad."

MDAH also supplies some of the taped programs for the station. Films made by staff members of other departments in collaboration with the department of medical communications are shown periodically. The major sources for video tape programs, however, are the Network for Continuing Medical Education (NCME), the Public Health Service, and the American Cancer Society.

Most of the programs supplied from outside the institution come from NCME, an independent network estab-

Cancer Surgeon Lectures

In a series of three lectures, Mr. Ronald Raven of London, England, spoke to staff members at MDAH on new surgical techniques for head and neck cancer, cancer of the colon and rectum, and new conceptions of cancer prevention.

Mr. Raven, F.R.C.S., is Senior Surgeon at the Royal Marsden Hospital and Institute of Cancer Research. He is also the organizer and director of the Marie Curie Foundation which supports numerous hospital beds for the terminal care of cancer patients in England.

Mr. Raven's skill as a surgeon is recognized throughout the world. He is especially well known for the intricate surgical procedures he has devised for the management of cancer of various sites.

In the opinion of this physician, the use of surgical and radiotherapeutic techniques for curing cancer is now reaching its zenith. Future efforts to decrease death rates from this disease must involve the development of preventive techniques.

There are many ways to prevent cancer, according to Mr. Raven. The bases for many of them could be determined through epidemiological studies of incidence groups and geographic pathology studies of environmental factors. Correlation studies would outline which physical conditions coexist with cancer. High-risk groups could be identified and carefully checked for the presence of precancerous conditions. These condi-

tioned by Roche Laboratories to encourage and accelerate the practical use of closed-circuit television under direct hospital and school control. NCME sponsors an exchange of television programs among cooperating institutions for postgraduate medical education and for instruction of nurses, technicians, and other paramedical personnel. MDAH hopes to supply the network with some of its better programs.

MDAH's Channel 4 was established



Mr. Ronald Raven, Senior Surgeon at the Royal Marsden Hospital and Institute of Cancer Research, was recently a guest lecturer at MDAH.

tions could then be alleviated, perhaps by surgical, chemical, or radiotherapeutic techniques, and cancer would thus be prevented from developing.

In addition, before suspected factors can be established as carcinogenic, all precautions should be taken to insure that individuals, especially those with a predisposition to cancer, are not exposed to them. Suspected factors which are in widespread use throughout the world's population include tobacco, alcohol, and, according to Mr. Raven, oral contraceptives.

Mr. Raven is the editor of a number of works, including a seven-volume series entitled *Cancer*, and is the author of many journal articles and books.

in 1956. Receiving sets then linked the auditorium, the conference rooms, the Director's office, the operating suites, and patients' solarium. In 1964, new wiring was installed which permitted closed-circuit television to be broadcast from and to an expanded number of locations, including all the patient rooms in the pediatric unit. Twenty viewing sets are currently in use, and 24 more are being ordered. Hospitals here and in Galveston eventually will join the system.

1968 Research Symposium

"Exploitable Molecular Mechanisms and Neoplasia" is the subject of the Twenty-Second Annual Symposium on Fundamental Cancer Research which will be held at MDAH on March 6, 7, and 8, 1968. Dr. Robert B. Hurlbert, chief, sec. of nucleotide metabolism, dept. of biochemistry, and prof. of biochemistry, is chairman for the symposium.

Co-sponsors of the meeting will be The University of Texas Graduate School of Biomedical Sciences at Houston; the American Cancer Society, Texas Division; and the National Cancer Institute.

The objective of the symposium will be to probe into several basic mechanisms underlying the control of tissue growth, differentiation, and function. Special consideration will be given to the relevance of these mechanisms to the processes of malignant transformation and proliferation. The symposium will emphasize those mechanisms which can be described in biochemical terms and which offer hope of being "exploitable," that is, directly contributory to the understanding and control of malignant growth.

The six sessions at the meeting will consider the following: mechanisms of transcription, mechanisms of translation, control of gene expression, mechanisms of replication, metabolic regulatory mechanisms, and perspectives in cancer research.

Sessions will be chaired by outstanding scientists in the field of cancer research: Dr. Sol Spiegelman, prof. of microbiology, University of Illinois; Dr. Paul Zamecnik, prof. of oncologic medicine, Harvard Medical School; Dr. Vincent G. Allfrey, prof., The Rockefeller University; Dr. J. Herbert Taylor, prof. of biological science, The Florida State University; Dr. Robert E. Hand-schumacher, prof. of pharmacology, Yale University School of Medicine; and Dr. Walter J. Burdette, prof. of surgery, MDAH.

The NEWS LETTER of The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston, Houston, Texas 77025, is published quarterly to give information of the activities and policies of the institution to the physicians of Texas.

IT IS MADE POSSIBLE BY A GIFT FROM MRS. HARRY C. WIESS.

Editor: Joan McCay

Associate Editor: Wendelyn White

Assistant Editors: Jan L. Devereaux, Sandra Fleming

Photography: Medical Communications

The purpose of these annual meetings is to bring together scientists from the United States and abroad to review and exchange current scientific knowledge related to cancer and allied diseases.

One of the highlights of the meeting is the Bertner Foundation Lecture, which is presented by the recipient of the Bertner Foundation Award. This award is presented annually at the symposium to a scientist who has made a significant contribution to cancer research.

The proceedings of the meeting will be published in a monograph with the title *Exploitable Molecular Mechanisms and Neoplasia*.



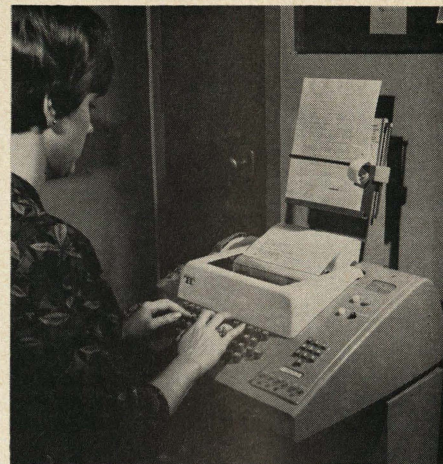
Dr. Robert B. Hurlbert, chief, sec. of nucleotide metabolism and prof. of biochemistry is chairman for the 1968 symposium.

Cancer of the Gastrointestinal Tract

A collection of papers presented at the Tenth Annual Clinical Conference on Cancer, which was held at MDAH in 1965, has been published in a volume entitled *Cancer of the Gastrointestinal Tract*. The volume, which is 300 pages in length, contains 19 papers and three panel discussions.

The material presented deals with the anatomy, clinical appearance, evaluation, and treatment of cancer of the digestive tract. The organs of the tract—esophagus, stomach, liver, pancreas, colon, small bowel, and anus—receive individual attention. Special emphasis is given to the diagnostic and therapeutic use of radiation.

Copies of *Cancer of the Gastrointestinal Tract* may be obtained from Year Book Medical Publishers, Inc., 35 East Wacker Drive, Chicago, Illinois 60601. The price per copy is \$12.50.



Assistant librarian Alice Hickerson sends and receives messages on the library's new teletypewriter machine.

Teletypewriter Speeds Library Research

MDAH staff and physicians and scientists throughout the city will be given quick and easy access to medical literature throughout the country because of a new communications device in the Research Medical Library.

This machine, a teletypewriter, is one of approximately 200 in libraries throughout the United States. About 50,000 American and Canadian industrial and governmental offices also have and use teletypewriters.

The teletypewriter, a TWX machine, will be used to locate books and journals not available locally. In the past this has been a time-consuming and expensive process. Using the U. S. mail to inquire can involve many weeks; using the telephone can be costly.

For many years libraries have relied on published location lists or "union lists" for interlibrary loan requests. Because of the great increase in scientific publications in recent years, these lists are frequently out of date by the time they appear. The teletypewriter eliminates use of out-of-date materials.

The TWX machine sends a telegraph message at the rate of 100 words per minute to a similar machine in the lending library which automatically types out the request. The lending library's reply is then automatically typed out on the MDAH machine. Neither library is required to supply full-time personnel.

Personnel in the research medical library will send and receive messages for MDAH staff members and for any library in Houston which makes arrangements to pay message costs.

Surgeons Retire from Administrative Positions

Dr. R. Lee Clark, MDAH Director and Surgeon-in-Chief, has announced the retirement from administrative positions of two section chiefs in the department of surgery, Dr. William S. MacComb, chief, sec. of head and neck surgery, and Dr. Howard T. Barkley, chief of the thoracic surgery service.

Both men will continue their associations with MDAH. Dr. MacComb will continue to serve as surgeon (head and neck service) and professor of surgery (1967-68) and will retain his duties as surgical director of the Regional Maxillofacial Restorative Center. Dr. Barkley will serve as consultant in surgery and in medical staff affairs.

Dr. MacComb has been associated with The University of Texas system since 1952. In that year he became chief of head and neck surgery at MDAH and joined the teaching faculty of the Post-graduate School of Medicine, now a division of the Graduate School of Biomedical Sciences, as associate professor of surgery.

Dr. MacComb has been recognized nationally a number of times. In 1960 he was awarded the Janeway Medal by the American Radium Society. Five years later he received the James Ewing Society Medal, the highest honor of that select society for cancer surgeons.

Dr. MacComb has published more than 25 articles in professional journals. He has coauthored one book and has a second in press. In addition, he is a member of seven medical societies.

Dr. Barkley has been affiliated with MDAH on a part-time basis for 21 years. In addition to the administrative post which he assumed in 1946, he has been clinical associate general surgeon and representative of the part-time staff on the executive committee of the medical staff.

Dr. Barkley also has been chief of thoracic surgery at Hermann Hospital, chief of the surgery service at Memorial Baptist Hospital, and chief of tuberculosis surgery at Jefferson Davis Hospital. He has served on the staffs of St. Luke's Episcopal, St. Joseph, Southern Pacific, and Methodist hospitals and has held teaching positions at Ben Taub Hospital and Baylor College of Medicine.

In his announcement, Dr. Clark expressed great appreciation to Dr. MacComb and Dr. Barkley for their significant contributions to the growth and development of the institution.

New Staff

Millicent E. Goldschmidt has accepted the position of asst. microbiologist, sec. of res. clin. pathology, dept. of pathology, and asst. prof. of microbiology. She received the Ph.D. degree from Purdue University, Lafayette, Indiana. Dr. Goldschmidt was a research associate at the School of Medicine at Western Reserve University, Cleveland, Ohio, in 1953 and at the George Washington University Research Laboratory, Fort Detrick, Maryland, from 1956 to 1959. From 1959 to 1960, she was an instructor in general chemistry at Hood College, Frederick, Maryland, and from 1961 to 1963 she attended The University of Texas at Austin as a postdoctoral fellow. From 1963 to 1966, Dr. Goldschmidt held the position of research associate at Baylor University College of Medicine. In 1966-1967, she was coordinator of the Baylor protocol for planning laboratories and procedures for the NASA Lunar Sample Receiving Laboratory at the Manned Spacecraft Center.

William M. Lamkin was appointed asst. biochemist, dept. of biochemistry. Dr. Lamkin received the Ph.D. degree from the University of Missouri, Columbia. From 1959 to 1965, he was an instructor at the same university. Since 1965 Dr. Lamkin has been a postdoctoral fellow in biochemistry at MDAH.

Edward J. Quinlan was appointed asst. in radiotherapy, dept. of radiotherapy, and instructor in radiotherapy. He received the M.D. degree from the University of Vermont College of Medicine, Burlington. Dr. Quinlan served his internship at Queen's Hospital, Honolulu, Hawaii, and his residency training at the Albany Medical Center, Albany, New York. From 1964 to 1966, he was associated with the Francis Delafield Hospital in New York City as a fellow in radiotherapy and later as asst. radiotherapist. Since 1966 he has been a fellow in radiotherapy at MDAH.

Charles R. Shaw has accepted the position of assoc. biologist, dept. of biology, and assoc. prof. of biology (1967-1968). Dr. Shaw received the M.D. degree from New York University College of Medicine, New York. He served his internship at the Indianapolis General Hospital, Indianapolis, and then took a residency in internal medicine at the Cornell Infirmary and Memorial Hospital, Ithaca, New York. In 1949 he

became associated with Cornell University as asst. prof. of medical nutrition. From 1953 to 1956, he was a resident in psychiatry at the Neuropsychiatric Institute, University of Michigan Medical School, Ann Arbor. For the next two years he was a child psychiatrist at the Hawthorn Center, Northville, Michigan. Since 1958 Dr. Shaw has been director of the Biological Research Unit and investigator in biochemical genetics at the Hawthorn Center. He will continue his research in biochemical genetics at MDAH.

Thirteenth Annual
Clinical Conference
BREAST CANCER, EARLY
AND LATE
Fall 1968

Staff Publications

Adams-Mayne, M. E., and D. Joseph: Complexity of Some Bence-Jones Proteins (Abstract). *Clinical Chemistry*, 13:700, July, 1967.

Almond, P. R., A. E. Wright, and M. L. M. Boone: High-Energy Electron Dose Perturbations in Regions of Tissue Heterogeneity. Part II: Physical Models of Tissue Heterogeneities. *Radiology*, 88:1146-1153, June, 1967.

Ansevin, A. T.: Electronic Micrometer System for Precise Recording of Coordinates from Ultra-Centrifuge Plates. *Analytical Biochemistry*, 19:498-504, June, 1967.

Bergsagel, D. E., A. Haut, W. J. Stuckey, Jr., and K. M. Griffith: The Treatment of Plasma Cell Myeloma. *Advances in Cancer Research*, 10:311-354, 1967.

Black, H. S., and B. Jirgensons: Interactions of Aflatoxin with Histones and DNA. *Plant Physiology*, 42:731-735, May, 1967.

Boone, M. L. M., J. H. Jardine, A. E. Wright, and N. duV. Tapley: High-Energy Electron Dose Perturbations in Regions of Tissue Heterogeneity. Part I: In Vivo Dosimetry. *Radiology*, 88:1136-1145, June, 1967.

Canale-Parola, E., M. Mandel, and D. G. K pfer: The Classification of Sarcinae. *Archiv f r Mikrobiologie*, 58(1):30-34, 1967.

Cangir, A., M. P. Sullivan, W. W. Sutow, and G. Taylor: Cytomegalovirus Syndrome in Children with Acute Leukemia. Treatment with Floxuridine. *Journal of the American Medical Association*, 201:612-615, August 21, 1967.

Chang, J. P.: Ultrastructure of a Chemically-Induced Hepatoma and Its Transplants of Early Passages. In *Carcinogenesis: A Broad Critique*, A Collection of Papers Presented at the Twentieth Annual Symposium on Fundamental Cancer Research, 1966, at The University of Texas M. D. Anderson Hospital and Tumor Institute. The Williams and Wilkins Company, Baltimore, 1967, pp. 535-556.

Clark, R. L.: Introduction to the Tenth Annual Clinical Conference. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University (Publications, Continued on page 4)

(Publications, Continued from page 3)

- of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 9-10.
- Clark, R. L., and R. W. Cumley (Editors): *The Year Book of Cancer* (1966-1967 Year Book Series). Year Book Medical Publishers, Inc., Chicago, Illinois, 1967, 527 pp.
- Dmochowski, L.: Electron Microscope Studies on Leukemia in Animals and Men. In Y. Ito: *Subviral Carcinogenesis*, First International Symposium on Tumor Viruses, Nagoya, Japan. Nissha Company, Kyoto, 1966, pp. 362-407.
- Dmochowski, L., C. E. Grey, P. L. Langford, W. C. Williams, J. A. Sykes, E. L. Young, and P. J. Migliore: Viral Factors in Mammary Tumorigenesis. In *Carcinogenesis: A Broad Critique*, A Collection of Papers Presented at the Twentieth Annual Symposium on Fundamental Cancer Research, 1966, at The University of Texas M. D. Anderson Hospital and Tumor Institute, The Williams and Wilkins Company, Baltimore, 1967, pp. 211-256.
- Evans, K. A., and A. J. Krush: Social Work and Medical Genetics. *Social Work* (London), 24:9-13, July, 1967.
- Farr, L. E., and T. Konikowski: Transplantable Mouse Neoplasm Control by Neutron Capture Therapy. *Nature*, 215:550-552, July, 1967.
- Fiorentino, M.: Method for Estimating LD50 in Virus Titrations Using Information from Other Preparations. In *Carcinogenesis: A Broad Critique*, A Collection of Papers Presented at the Twentieth Annual Symposium on Fundamental Cancer Research, 1966, at The University of Texas M. D. Anderson Hospital and Tumor Institute. The Williams and Wilkins Company, Baltimore, 1967, pp. 177-179.
- Fiorentino, M., E. J. Macdonald, and M. Toloudis: Leukemia Prevalence and Possible Clusters in Houston. *Texas Reports on Biology and Medicine*, 25:189-204, Summer, 1967.
- Frei, E., III: Acute Leukemia in Adults. In Howard F. Conn: *Current Therapy*. W. B. Saunders and Company, Philadelphia, 1967, pp. 232-235.
- Furlong, N. B., W. Folk, M. R. Butcher, and D. P. Willis: The Use of Ultraviolet Light in Studying the Mechanisms of a DNA Replication in Vitro (Abstract). *Proceedings of the American Association for Cancer Research*, 8:20, March, 1967.
- Griffin, A. C.: In Vitro Studies on Protein Synthesis by Malignant Cells. *Advances in Cancer Research*, 10:83-116, 1967.
- Gutierrez, R. M., and L. S. Hnilica: The Specificity of Histone Phosphorylation. *Science*, 157:1324, September, 1967.
- Haddy, T. B., A. H. Nora, W. W. Sutow, and T. J. Vietti: Cyclophosphamide Treatment for Metastatic Soft Tissue Sarcoma. Intermittent Large Doses in the Treatment of Children. *American Journal of Diseases of Children*, 114:301-308, September, 1967.
- Healey, J. E., Jr. (Editor): *Report of the First Conference on the Rehabilitation of the Cancer Patient. Part I. Rehabilitation Problems of the Patient with Cancer of the Head and Neck*. New York Academy of Sciences, New York, 1967, 44 pp.
- Healey, J. E., Jr.: Segmental Anatomy of the Liver with Special Reference to the Blood Supply of Liver Tumors. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 11-28.
- Healey, J. E., Jr., C. M. McBride, and H. S. Gallager: Bowel Anastomosis by Inverting and Everting Techniques: An Experimental Study. *Journal of Surgical Research*, 7:299-304, July, 1967.
- Holleb, A. I.: The Prognosis in the Young Patient (Current Concepts in Cancer—No. 17, Carcinoma of the Breast: Associated Problems). *Journal of the American Medical Association*, 210:528, August 14, 1967.
- Holleb, A. I., and J. H. Farrow: Inadequate Simple Mastectomy. *CA*, 17:160, July-August, 1967.
- Holoubek, V., and L. S. Hnilica: Changes in H³-Thymidine Incorporation into the DNA by Histones from Normal and Tumor Tissues. *Journal of the National Cancer Institute*, 39:187, August, 1967.
- Luna, M. A., I. R. Lede, and H. L. Ried: Pneumocystis Carinii Pneumonia Associated with Neuroblastoma. *American Journal of Diseases of Children*, 114:173-179, August, 1967.
- Luna, M. A., P. G. Stimson, and J. M. Bardwil: Epithelial Tumors of the Major Salivary Glands in Children. *Oral Surgery, Oral Medicine, and Oral Pathology*, 24:377, September, 1967.
- Lynch, H. T.: *Hereditary Factors in Carcinoma*. In *Recent Results in Cancer Research*, Springer-Verlag, New York and Berlin, Vol. 12, 1967, 186 pp.
- Lynch, H. T., D. E. Anderson, and A. J. Krush: Heredity, Cancer, and the Genetics Clinic. *Texas Medicine*, 63:57-61, July, 1967.
- Lynch, H. T., A. J. Krush, and A. L. Larsen: Heredity and Endometrial Carcinoma (Abstract). *Ob/Gyn Digest*, 9:62-65, July, 1967.
- Lynch, H. T., A. J. Krush, and A. L. Larsen: Heredity and Multiple Primary Malignant Neoplasms: Six Cancer Families. *The American Journal of Medical Sciences*, 254:322-329, September, 1967.
- Macdonald, E. J.: Epidemiology of Gastric Cancer. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 233-268.
- Macdonald, E. J.: Multiple Primaries. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 269-282.
- Martin, R. G., L. S. Miller, and R. G. Thorpe: Treatment for Squamous Cell Carcinoma of the Anus. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 175-186.
- Moore, E. C., S. Murphree, and P. Thornton: Regulation by Nucleotides of the Activity of Ribonucleotide Reductase from Rat Embryo (Abstract). *Proceedings of the American Association for Cancer Research*, 8:48, March, 1967.
- Moxley, J. H., III, V. T. De Vita, B. Kirkland, and E. Frei, III: Intensive Combination Chemotherapy and X-Irradiation in Hodgkin's Disease. *Cancer Research*, 27:1258-1263, July, 1967.
- Nelson, R. S., C. D. Howe, and R. de Elizalde: The Clinical Aspects of Primary Carcinoma of the Liver. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 29-38.
- Novak, W. B., and N. B. Furlong: The Intracellular Localization of DNA Polymerase in Synchronized Mammalian Tissue Culture Cells (Abstract). *Federation Proceedings*, 26:870, March, 1967.
- Rutledge, F., and B. J. Masterson: Irradiation Ulcer of the Urinary Bladder. *Obstetrics and Gynecology*, 30:23-27, July, 1967.
- Samuels, M. L., V. V. Leary, R. Alexanian, C. D. Howe, and E. Frei, III: Clinical Trials with N-Isopropyl- α -(2-Methylhydrazino)-p-Toluamide Hydrochloride (Natulan) in Malignant Lymphoma and Other Disseminated Neoplasia. *Cancer*, 20:1187-1194, August, 1967.
- Shaeffer, J. R.: Evidence of Soluble α Chains as Intermediates in Hemoglobin Synthesis in the Rabbit Reticulocytes. *Biochemical and Biophysical Research Communications*, 28:647-652, August, 1967.
- Shalek, R. J., C. Smith, and J. Hunter: Temperature Dependence and Effect of Glycerol on the Radiation Sensitivity of Bacteriophage-Escherichia coli Complexes Related to Direct and Indirect Radiation Effect. *Radiation Research*, 31:467-485, July, 1967.
- Sinkovics, J.: The Causative Viruses of Murine Leukemia and Their Identification Through Immune Responses of the Host. In *Carcinogenesis: A Broad Critique*, A Collection of Papers Presented at the Twentieth Annual Symposium on Fundamental Cancer Research, 1966, at The University of Texas M. D. Anderson Hospital and Tumor Institute. The Williams and Wilkins Company, Baltimore, 1967, pp. 157-175.
- Sinkovics, J. G., C. C. Shullenberger, C. D. Howe, and B. A. Bertin: Mouse Leukaemia, a Dichotomy of Virus Neutralizing and Cytotoxic Antibodies (Brief Report). *Archiv für die Gesamte Virusforschung*, 19(1):75-80, 1967.
- Smith, J. P., and R. C. Boronow: Pseudo-Meigs' Syndrome with Mucinous Cystadenoma: Report of a Case in Which the Effusions Contained Atypical Cells. *Obstetrics and Gynecology*, 30:118-136, July, 1967.
- Stehlin, J. S., Jr.: Treatment for Cancer of the Colon. In *Cancer of the Gastrointestinal Tract*, A Collection of Papers Presented at the Tenth Annual Clinical Conference on Cancer, 1965, at The University of Texas M. D. Anderson Hospital and Tumor Institute. Year Book Medical Publishers, Inc., Chicago, 1967, pp. 187-211.
- Ward, D. N.: Gonadotrophic Hormones. In R. J. Williams and E. M. Lansford, Jr.: *Encyclopedia of Biochemistry*. Reinhold Publishing Corporation, New York, 1967, pp. 384-386.
- Ward, D. N., M. Fujino, M. Showalter, and N. Ray: Comparative Studies of Luteinizing Hormone from Beef, Pork and Sheep Pituitaries. II. The C-Terminal Amino Acids. *General and Comparative Endocrinology*, 8:289-296, April, 1967.
- Yumoto, T., L. Young, W. C. Williams, and L. Dmochowski: Studies on Spontaneous Mammary Tumors in High-Leukemia-Strain Mice and on Mammary Tumors Induced by Mouse Leukemia Virus in Low-Leukemia-Strain Mice. *Proceedings of the Twenty-Fifth Anniversary Meeting of the Electron Microscopy Society of America* (Abstract). 1967, p. 108.