

Dial Cancer Information

In cooperation with the Regional Medical Program of Texas, MDAH is providing six- to seven-minute prerecorded medical lectures via toll-free long distance telephone to all physicians in this state. The presentations have been recorded by staff physicians and other eminent Texas scientists. The Texas Academy of General Practice has aided in an advisory capacity.

When a calling physician asks for a specific recording by number, the desired consultation is narrated. A brochure explaining how to request recordings has been published. It includes all titles available and the code numbers by which they should be requested. If a physician desires more information about a subject, perhaps in reference to a specific patient, he may directly call the physician or scientist who made the

recording. This brochure has been distributed to all licensed Texas physicians and surgeons. In the future, the brochure also will be sent to state dentists and directors of nursing at various hospitals in Texas.

Dial Access can be called Monday through Friday between 7:30 a.m. and 9:00 p.m. and on Saturday from 7:30 a.m. to 4:30 p.m. (major holidays excepted). Houston physicians should dial 526-6005; other Texas physicians should dial 1-800-392-3917.

Categories thus far represented are: head and neck; central nervous system, neuropsychiatric, and pain control; melanoma and skin; thoracic tumor; breast and respiratory disease; gynecologic disease; urinary and male genital disease; gastrointestinal tract; soft tissue, extremities, and skeletal system; lymphatics and hematopoietics; endocrine sys-

tems; pediatric neoplasia; and specific techniques.

The program is of a remote, consultative nature. It is designed to aid family physicians in giving intensive, personal care. Those taking advantage of Dial Access participate in its evaluation through questionnaires mailed four to six weeks after their use of the service. The recordings are upgraded, revised, and expanded periodically, particularly as new information evolves and new subjects are requested.

The Regional Medical Program is an outgrowth of the President's Commission on Heart, Cancer and Stroke, created by President Lyndon B. Johnson. It and Dial Access are directed toward extending medical care through grassroots programs by which large and small communities would be linked in the delivery of health care.

Knudson New Dean

Alfred G. Knudson, assoc. director, office of education, has been named dean of The University of Texas Graduate School of Biomedical Sciences at Houston. He replaces Dr. Sumter S. Arnim, who will serve as a prof. of pathology at the school on a nine-month basis.

Dr. Knudson is a member of the General Medical Sciences Program-Project Committee of the National Institutes of Health, the editorial board of *Biochemical Medicine*, the Scientific Advisory Committee of the Institute for Cancer Research, Philadelphia, and the visiting committee of the div. of biology at the California Institute of Technology. He is chairman of the Advisory Committee on Biomedical Image Processing of the Jet Propulsion Laboratory.

The Graduate School of Biomedical Sciences was founded in June of 1963 and admitted its first students in September of 1964. Its enrollment has increased from the original 18 full-time

students to 93. Currently, there are 106 faculty members. During the period from January 1966 to August 1970, 31 students received their M.S. degrees and 27 their Ph.D. degrees.

The div. of continuing education at the school provides practicing physicians with postgraduate instruction, while the div. of graduate studies offers programs leading to the M.S. and Ph.D. degrees in biology, biochemistry, and biophysics.

Education at MDAH

During 1960, the number of residents, fellows, and project investigators at MDAH was 102. By 1970, the number had increased to 198. These figures include both the clinical and basic sciences research areas.

The total number of trainees appointed from 1947 through 1960 was approximately 600. By August 31, 1970, the total was 1,352. These figures include predoctoral fellows registered for research work at MDAH.



Dr. Alfred G. Knudson, dean of The University of Texas Graduate School of Biomedical Sciences at Houston.

CLINICAL ABSTRACTS

The editors of the *News Letter* hope to better acquaint practicing physicians with research development at MDAH by previewing articles of direct relevance to the readers. As they are submitted to various journals, selected articles will be abstracted by members of the MDAH publications dept. for presentation in the *News Letter*.

Distant Metastases in Patients with Squamous Cell Carcinoma of the Nasopharynx, Tonsillar Fossa, and Base of Tongue Free of Disease at the Primary Site and in the Neck: David S. Berger and Gilbert H. Fletcher.

This study evaluates the risk of distant metastases developing in patients with highly metastasizing squamous cell carcinomas of the nasopharynx, tonsillar fossa, and base of the tongue. It correlates the factors of the disease with the frequency of occult distant metastases present at initial examination in 243 patients. All patients coming to MDAH with these squamous cell carcinomas between 1948 and January 1966 are included, except those patients with clinical evidence of distant metastases on initial presentation, primary and/or initial neck disease recurring after therapy, and new neck disease after initial therapy.

Patients with advanced nodal disease had a higher frequency of distant metastases at five years (35.9%) than did those with early nodal disease (10.3%). Eighty-five per cent of the patients with distant metastases died within three years of treatment.

The authors conclude that the frequency of distant metastases does not increase with the size of the primary lesion and that the location of the neck disease does not influence the frequency of distant metastases.

The Dissemination of Tumors of the Head and Neck via the Cranial Nerves: G. D. Dodd, P. A. Dolan, A. J. Ballantyne, M. L. Ibanez, and Paul Chau.

Malignant tumors may spread through the perineural and endoneural spaces of the regional nerves. Though the clinical symptoms may be remarkably mild, local neurologic abnormalities always should

be considered as the result of neural invasion.

If the tumor enters the cranial cavity, the prognosis is poor. At times, disease limited to the gasserian ganglion is resectable, but in most instances meningeal or brain metastases are present. External beam irradiation has been helpful as a palliative measure but has not been generally effective in controlling intracranial spread.

Though radiographically demonstrable neural metastases are most commonly associated with advanced tumors, the prognosis is not hopeless. The propagation of tumor cells along the neural spaces apparently is a slow process; extensive disease may be present in the peripheral divisions of a nerve without intracranial spread.

In instances of clinically suspected or radiographically demonstrated neural involvement, serial frozen sections should be made during the surgical procedure until disease-free nerve is encountered or evidence of intracranial extensions is obtained.

Several patients have been salvaged as a result of surgical and/or radiographic recognition of neural metastases. Undoubtedly, infiltration of the regional nerves will continue to cause some treatment failures. However, the authors believe that an increasing number of patients may benefit if this form of metastatic disease is recognized and appropriate diagnostic and therapeutic measures are taken.

Malignant Tumors of the Major Salivary Glands: Jimmy J. King and Gilbert H. Fletcher.

The authors studied 93 patients with malignant epithelial tumors of the major salivary glands treated from January 1948 through December 1968 at MDAH.

They conclude that postoperative irradiation should be given whenever there is a risk of disease left behind. Because of the location, tumor doses in the order of 6,000 rads in five to six weeks can be given. The main cause of death is distant metastases. Irradiation of the neck on the ipsilateral side including the lower neck is indicated. There is no need to irradiate the opposite side since contralateral metastases are very rare.

In the study group, there are patients with no evidence of disease for long periods of time, showing that irradiation not only can produce temporary control but can secure absolute cure.

The opinion is held in surgical circles that malignant tumors of the major salivary glands are radioresistant and that

radiotherapy has little, if anything, to contribute to their management.

This paper shows that in certain clinical situations irradiation is effective for local control of these tumors irrespective of histologic type.

New Staff

Recent additions to the professional staff at MDAH include the following:

Jerome B. Bart has joined the staff as clin. asst. internist (part-time) in the sec. of hematology, dept. of medicine. He received his M.D. degree from Harvard Medical School, Boston, Massachusetts. Dr. Bart was a resident in internal medicine and hematology at the Veterans Administration Hospital and the Buffalo General Hospital, Buffalo, New York. From July 1967 to July 1969, he served at Sheppard Air Force Base, Amarillo, Texas, and at Wilford Hall, U. S. Air Force Hospital, San Antonio, Texas.

William P. Blocker, who is clin. assoc. physiatrist (part-time) in the dept. of rehabilitation medicine, received his M.D. degree from The University of Texas Southwestern Medical School at Dallas. Dr. Blocker also is an assoc. prof. of physical medicine and rehabilitation at Baylor College of Medicine, Houston, and an assoc. prof. of clin. medicine at Texas Woman's University School of Physical Therapy and Occupational Therapy, Houston.

Relda M. Cailleau is res. assoc. (part-time) in the dept. of medicine. Dr. Cailleau received her D.Sc. degree from the University of Paris, Pasteur Institute, in France. From 1959 to 1970, she was assoc. res. biochemist at the Cancer Research Institute of the University of California at San Francisco Medical Center.

Howard J. Glenn has been named assoc. chemist in the sec. of nuclear medicine, dept. of medicine, and assoc. prof. of chemistry. He received his Ph.D. degree from the University of Wisconsin in Madison. Prior to joining the staff of this institute, Dr. Glenn was associated with Abbott Laboratories, Chicago, Illinois, in the fields of radiopharmaceutical medicine and radioisotope research.

Walter Grant, III has joined the staff as an asst. physicist in the radiological physics center, dept. of physics. He received his Ph.D. degree in nuclear physics from Tulane University, New Orleans, Louisiana. Prior to his new appointment, Dr. Grant was associated

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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.

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Dr. Margery Shaw Honored With Award

Dr. Margery Shaw, prof. of biology at The University of Texas Graduate School of Biomedical Sciences at Houston and biologist at MDAH, is recipient of the 1970 Achievement Award of the American Association of University Women.

The award has been given annually since 1943 to selected women in recognition of their distinguished research achievements. Of the 28 women honored, only two have been physicians.

Dr. Shaw received \$3,000 and was cited as a "distinguished scholar and physician whose research in human genetics provides definitive diagnosis and therapeutic management of diseases" at the June 23 session of the association's biennial state presidents' conference. The conference was held near Warrenton, Virginia.

She currently is studying chromosomal damage caused by drugs and chemicals such as pesticides and adulterated foods. Her research is directed toward safeguarding our genetic heri-

tage, which she feels is threatened by rapid environmental changes as a result of radiation, industrial chemicals, drugs, chemical agents in food, and viruses.

She received her A.B. degree from the University of Alabama in 1945 and her M.A. degree in genetics from Colum-



Dr. Margery Shaw, biologist, dept. of biology.

bia University the following year. After receiving her M.D. degree in 1957 from the University of Michigan, she served her internship at St. Joseph Mercy Hospital, Ann Arbor, and then practiced medicine from 1958 to 1967, specializing in human genetics. In 1958, she also joined the faculty of the University of Michigan Medical School as an instructor. She was an assoc. prof. in 1966, when she received the Billings Silver Medal of the American Medical Association.

Dr. Shaw has been with MDAH since 1967, when she and her husband, Dr. Charles R. Shaw, also a geneticist, moved to Houston. She is an assoc. editor of the *American Journal of Human Genetics* and a consulting editor for *Cytogenetics*. Her other activities include membership in the following organizations: American Society of Human Genetics, of which she was a director from 1962 to 1964; Genetics Society of America, of which she presently is secretary for a three-year term; American Society of Cell Biology; Environmental Mutagen Society; and the Tissue Culture Association, of which she is a trustee (term to expire in 1974).

Clark Co-Chairman of Cancer Study

Dr. R. Lee Clark, President and prof. of surgery at MDAH, has been named co-chairman of the National Committee of Consultants on Cancer, an advisory panel to the Senate Committee on Labor and Public Welfare. Chairman of the committee is Benno C. Schmidt, managing partner of J. H. Whitney and Company, and chairman of the executive committee of Memorial Sloan-Kettering Cancer Center, New York.

The consultant panel was formed to implement Resolution 376 of the U.S. Senate, introduced by former Senator Ralph W. Yarborough (Dem., Texas), which calls for a complete study of research activities conducted to ascertain the causes of cancer and to develop means to eliminate it. It is hoped that the resolution, passed by the Senate on April 27, 1970, will help in the fight against cancer.

According to the resolution, a Senate committee is authorized under sections 135(a) and 136 of the Legislative Reorganization Act of 1946 as amended to investigate and make a complete study of any and all matters pertaining to the present status and extent of scientific research in the United States on causes of and development of cures for cancer, the prospects for the success of such re-

search, and means necessary or desirable to facilitate success in this field.

Senator Yarborough was chairman of the Senate Committee on Labor and Public Welfare to which the advisory panel will report. Up to \$250,000 has

been authorized from the Senate contingent fund to aid in the project. Findings of the committee are to be presented to the Senate by January 31, 1971.

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with MDAH as an advanced senior fellow in medical physics.

Yoshitada Harada has accepted the position of res. assoc. (temporary) in the sec. of protein structure, dept. of biochemistry. Dr. Harada received his Ph.D. degree in biochemistry from Kyushu University, Fukuoka, Japan.

L. Daniel Inners has been appointed asst. biologist in the sec. of molecular biology, dept. of biology. He received his Ph.D. degree from the University of Pittsburgh in Pennsylvania. Prior to his new appointment, Dr. Inners was a postdoctoral fellow at MDAH. From 1966 through 1969, he was associated with the National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, also as a postdoctoral fellow.

Mary C. Jeu, who was a fellow in anesthesiology at MDAH, has been named asst. anesthesiologist in the sec. of anesthesiology, dept. of surgery, and instructor in anesthesiology. She received her M.D. degree from the University of
(New Staff, continued on page 4)



Dr. R. Lee Clark, President of MDAH.

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Santo Tomas, Manila, Philippines. Dr. JEU was an intern at Memorial Baptist Hospital in New York. She served her residencies at the New York Hospital in the Cornell Medical Center and at MDAH.

Edwin E. Johnstone has accepted the position of consultant psychiatrist (part-time) in the dept. of medicine. He received his M.D. degree from Baylor University College of Medicine, Houston. From 1968 to June 1969, Dr. Johnstone was associated with the Texas Research Institute of Mental Sciences, Houston, as a therapeutic team director. Since June of 1969, he has been a res. assoc. at that institute.

Joseph L. Kunec has accepted the position of asst. for development in the office of the president. He received his A.B. degree from Assumption College in Windsor, Ontario, Canada, and later attended the University of Detroit in Michigan. From 1967 to 1968, Mr. Kunec was asst. to the president at the Northwood Institute, Cedar Hill, Texas.

Staff Publications

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Black, D. D., and A. C. Griffin: Similarity of the Transfer Factors in Novikoff Ascites Tumor and Other Amino Acid-Incorporating Systems. *Cancer Research* 30:1281-1286, May 1970.

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LePage, G. A.: Alterations in Enzyme Activity in Tumors and the Implications for Chemotherapy. In *Advances in Enzyme Regulation*, Vol. VIII, George Weber, Ed. New York, New York: Pergamon Press, 1970. Pp. 323-334.

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Parrish, F.: Surgical Management of Secondary Neoplastic Fractures. *Journal of Bone and Joint Surgery* 52A:665, 1970.

Shaw, C. R., and A. R. Lucas: *The Psychiatric Disorders of Childhood* (Second Edition), New York, New York: Appleton, Century, Crofts, 1970, 499 pp.

Sheena, K. S., J. E. Healey, Jr., H. S. Gal- lager, and C. M. McBride: Nonsuture Repair of Pelvic Fistulae: An Experimental Study. *Texas Medicine* 66:62-67, June 1970.

Sinkovics, J. G., and M. L. Ibanez: The Elusive Diagnosis of Leprosy. *Postgraduate Medicine* 47:109-115, June 1970.

Stubblefield, E., and M. Gay: Quantitative

He served in that same capacity subsequently at the Dominican College in Houston. At MDAH, his function will be to plan and coordinate activities for the further development of the institute, particularly with respect to the Lutheran Hospital and allied expansion and the annex and rehabilitation center at the former Southern Pacific Hospital.

Kenneth B. McCredie has been named asst. internist in the dept. of developmental therapeutics and asst. prof. of medicine. He received his Ch.B. degree from the Otago University, Dunedin, New Zealand, and completed his internship and residency at Napier Hospital, Hawkes Bay, New Zealand. Dr. McCredie was a project investigator in developmental therapeutics at MDAH prior to accepting his present position. From 1967 to 1968, he was a senior fellow in hematology at the University of New South Wales, Kensington, Australia.

Raymond R. Nydegger has joined the staff as asst. physicist, dept. of physics and as asst. prof. of biophysics. He received his Ph.D. degree from the University of Kansas at Lawrence. From 1964 to 1966, he was an instructor at the University of Kansas and prior to his new appointment was an advanced senior fellow in medical physics at MDAH.

Robert E. Palmer, who has been a fellow in radiotherapy at MDAH, has been named asst. radiotherapist in the dept. of radiotherapy and instructor in radiotherapy. He received his M.D. degree from the University of Tennessee Medical Units in Memphis. He was an intern at the City of Memphis Hospital and completed his residency at Methodist Hospital in Memphis.

Robert K. Tcholakian has been appointed asst. biochemist in the sec. of endocrinology, dept. of medicine, and asst. prof. of biochemistry. He received his Ph.D. degree from the Medical College of Georgia in Augusta. Prior to joining the MDAH staff, Dr. Tcholakian was an instructor in the div. of biochemistry and physiology of reproduction at the University of Southern California in Los Angeles.

Raul Villanueva is asst. physiatrist in the dept. of rehabilitation medicine. He received his M.D. degree from the faculty of medicine of the University of Nuevo Leon, Mexico. He was an intern in the University Hospital, Monterrey, Mexico, and in Harris Hospital, Fort Worth, Texas. Before coming to MDAH, Dr. Villanueva was chief of physical medicine and rehabilitation at the Veterans Administration Hospital, St. Louis, Missouri.

John A. Wilhelm has accepted the position of res. assoc. in the dept. of biochemistry. He received his Ph.D. degree from Duke University, Durham, North Carolina. Dr. Wilhelm has been associated with MDAH as a postdoctoral fellow in biochemistry.

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