FOCAL SPOT

A NEWSLETTER OF MALLINCKRODT INSTITUTE OF RADIOLOGY

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64th RSNA

TECHNICAL EXHIBITS FLOOR AT MCCORMICK PLACE.
The Radiological Society of North America, Inc. opened its 64th Scientific Assembly and Annual Meeting with over 17,000 registrants from throughout the United States and Canada. As in past years, a number of accredited sessions were cosponsored by the American Association of Physicists in Medicine. Held in Chicago November 26-December 1, at McCormick Place on the Lake, this largest regularly scheduled radiological convention is dedicated exclusively to scientific education and provides continuing education to radiologists, physicists, and allied scientists.

RSNA, 1978, offered a broad spectrum of refresher courses and two categorical courses instructed by 200 professionals in radiology. Each instructor made his presentation as a contribution to the science of radiology with none being reimbursed for his expenses or paid an honorarium. Approximately 350 scientific papers were presented and scientific exhibits numbered over 200.

There was something for everybody among the two hundred and fifty technical exhibits impressively displayed on the exhibit floor of McCormick Place — equipment products, services, medical books, publications, a special exhibit of architecture for radiology departments, even an exciting exhibition of photographed fossil X-rays. After the convention, an increased number of audio-visual programs covering both exhibits and refresher courses were presented.

Included on the social agenda was a reception at the McCormick Inn sponsored by the Washington University Medical Center for alumni and staff of the Medical School and the Institute.

Next year the RSNA will leave the Midwest and visit the more southerly climes of Atlanta, Georgia.

The scientific program included the following contributions from the Mallinckrodt Institute of Radiology staff:

REFRESHER COURSES:
“Computed Tomography of the Adrenal, Kidney, and Perirenal Tissue” (Part of a GU Categorical course), Robert J. Stanley, M.D.
“Computed Body Tomography: Anatomical Considerations”, Robert J. Stanley, M.D., Stuart S. Sagel, M.D.
“Radionuclide Brain Imaging and Cisternography”, Barry A. Siegel, M.D.
“Economic Aspects (Utilization, Cost, Revenue, and Efficacy) of Head and Body Computed Tomography”, Ronald G. Evens, M.D.
“Supratentorial Cerebral Angiography in Three Major Pathologic Entities”, Mokhtar Gado, M.D.
“The Optimal Urogram” (Part of a GU Categorical Course), Bruce L. McClennan, M.D.

PAPERS:
“Interventional Computed Tomography in the Central Nervous System”, Christopher J. Moran, M.D., Thomas P. Naidich, M.D., and Mokhtar Gado, M.D.

PAPERS AND EXHIBITS:
“Brodie’s Abcess: Reappraisal”, William A. Murphy, M.D., William B. Miller, M.D., and Louis A. Gilula, M.D.
“Magnification Radiography of the Temporomandibular Joint”, William A. Murphy, M.D., Roger J. Adams, D.M.D., and Louis A. Gilula, M.D.

EXHIBIT:

COMMITTEE MEMBERS:
Barry A. Siegel, M.D., was a member of the Scientific Program Committee and presided at a Nuclear Medicine session of the Scientific Assembly.
Ronald G. Evens, M.D., was a member of the Refresher Course Committee.

PRESIDING OFFICER:
Stuart S. Sagel, M.D., presided at a General Diagnosis-Work-in-Progress session.
Dr. William B. Miller, Jr. explains the Brodie's Abscess exhibit, a review of twenty-four unreported cases of previously unappreciated diaphyseal location, cortical thickening and periosteal reaction.

A radiologist views a Mallinckrodt exhibit on temporomandibular joint radiography. Anatomic radiologic correlation is illustrated in sagittal and coronal planes with gross sections, specimen radiographs and arthrograms. continued
Between formal sessions many of those attending the RSNA talked shop and inspected the array of technical exhibits.
Dr. Michael S. Sidell, stops at the American College of Radiology booth to show a colleague the newly published Second Nuclear Radiology Self-Evaluation Test and Syllabus edited by Dr. Barry A. Siegel. Dr. Sidell, who is Chairman of Diagnostic Radiology, Cottage Hospital, Galesburg, Illinois uses the continuing education aid in his Nuclear Medicine department.

Claire MacConnell of the Washington University Medical Center Alumni Office welcomes the first guest at the reception, Dr. Craig L. Silverman of Mallinckrodt’s Division of Radiation Oncology.

Dr. Ronald G. Evens, Director of Mallinckrodt Institute, discusses new equipment concepts with Mr. Armand Diaz, Technical Administrator of MIR.
There was time for renewing friendships and old acquaintances.
Mallinckrodt Institute

Outreach Programs

Realizing the importance of a close interaction between the University research and clinical programs and the activities of the St. Louis area medical community, Mallinckrodt Institute of Radiology earnestly cooperates wherever possible with colleagues and institutions in the region in an effort to ensure the delivery of optimal health care to cancer patients.

The staff of the MIR Division of Radiation Oncology is responsible for the professional operation of the radiation oncology services at the St. Luke’s Hospitals as well as Missouri Baptist Hospital. At the present time Dr. Bruce J. Walz is the attending radiation therapist at St. Luke’s West, Dr. Fransiska Lee at St. Luke’s East, and Dr. John Bedwinek at Missouri Baptist Hospital.

The Radiation Oncology Physics Section, under the direction of Dr. James Purdy, serves outlying hospitals in the region by providing the physics expertise essential to the application of radiation to the treatment of cancer. The Section assists other radiation therapy facilities through therapy machine calibrations, quality assurance measures, treatment planning, and the construction of treatment aids.

Radiotherapy facilities must now be able to verify that their units are calibrated accurately and conform to national standards of radiation safety. For this reason, the Radiation Oncology Physics Center maintains an Outside Institution Calibration and Treatment Planning Program. Through this program, a team consisting of physicists, electronic engineers and technicians, machinists, and computer systems analysts offers superior physics support to outside departments. This concept of part-time physics support has been expanded to a regular basis at two west county hospitals, Missouri Baptist and St. Luke’s West.

The Oncology Data Center, directed by Dr. Don Ragan, provides computer support for St. Luke’s diagnostic radiology and radiation therapy and for the St. Louis Children’s Hospital neonatal registry. Recently, capabilities initiated on behalf of Radiation Oncology have been made available at a fee-for-service basis to the St. Louis community.

At the present time the Division of Radiation Oncology participates in a variety of Clinical Cooperative Groups which carry out clinical studies, initially in single institutions as pilot projects and later developed into group-wide protocols designed to test new therapeutic approaches in the treatment of cancer. Dr. Carlos A. Perez is active in the Radiation Therapy Oncology Group and the Southeastern Cancer Study Group. Drs. William Mill and Bruce Walz also participate in the Southeastern Cancer Study Group. Dr. Fred Valeriote is chairman of the Development Therapeutics Committee of this group.

The Cancer Information Center, sponsored by the MIR Division of Radiation Oncology and located on the first floor of Barnard Hospital, has served over 2300 people, both professional and non-professional, since its opening July 18, 1977. The purpose of the Center is to make available to the public a full range of print and audio-visual instructional material available from both intramural and national sources on diagnosis and treatment of malignant disease and on preventive measures and techniques for patient management — and to provide cancer patients and their families with sources of aid for any problems they may encounter.

By continuing interaction with the St. Louis area medical community the Mallinckrodt Institute of Radiology anticipates expanding and strengthening its outreach programs with a view toward reaching new quality levels of health care.

The staff of the Radiation Oncology Physics Center. This team of physicists, dosimetrists, electronic engineers/technicians, machinists and computer analysts provides full radiological physics support to the MIR clinic and the surrounding community.
Prostatic Cancer Attacked by Radiation Oncology/Urology Team

Three Radiation Oncology staff members will be participating in a three-year $247,000 research grant funded by the Prostatic Task Force, National Cancer Institute, NIH for the study of prostatic cancer. Drs. B. R. Rao (Co-principal Investigator), A. Nakeff, and C. Perez of Radiation Oncology will be working with Drs. W.D.W. Heston (Principal Investigator) and W. Fair of the Division of Urology to investigate the effects of various types of treatment on prostate cancer.

Carcinoma of the prostate is the second most common malignancy in American males, after lung cancer. In men over 55 years of age, it is the third most common cause of cancer death, after lung and colorectal cancer. Prostatic tumors are slow-growing, have an incidence which increases with age, and seem to become more malignant as they grow; only the largest 5%-10% of prostatic tumors become sufficiently malignant to produce metastasis. The cause of prostatic cancer is unknown, but both environmental and hormonal factors may be important.

Treatment of prostatic cancer often involves surgical removal of the tumor or localized radiotherapy. Hormonal therapy (i.e., the administration of estrogens) has been used mainly for palliative purposes, but a recent study by the Veterans' Administration suggests that estrogens may contribute to cardiovascular complications; consequently estrogen therapy is being re-evaluated. Currently, chemotherapy is being administered to some patients with advanced stages of the disease. As is true of most malignancies, once metastasis has occurred, the probability of cure decreases dramatically.

The Radiation Oncology/Urology team will address several aspects of current and proposed treatment practices. For their investigations, they will use a tumor model which closely mimics human prostate cancer, but which can be grown in rats. The project allows for a wide variety of approaches to the problem; however, the main thrust will be to evaluate hormonal and radiation therapy according to their efforts on both tumor size (in vivo) and number of surviving tumor cells (in vitro). In earlier studies, B.R. Rao, A. Nakeff, C. Eaton and W.D.W. Heston established the first in vitro assay for clonogenic rat prostate tumor cells that are androgen-independent and capable of extensive proliferation (Cancer Res. 38:54, 1978). Since these clonogenic cells are involved in tumor growth and regrowth following therapy, this assay technique will play a significant role in developing optimal methods of eradicating this tumor.

Metastatic disease will also be studied in depth. This will involve perfecting a method of detecting metastases, establishing a stable line of metastatic tumor cells which can be transplanted into rats, and evaluating metastatic disease following hormonal and radiation therapy. Also, the anti-metastatic compound ICRF-159 will be evaluated for its ability to prevent metastasis.

1st Year Resident

Dr. Jonathan S. Stein arrived at MIR in October from Johannesburg, South Africa to begin his first year residency in diagnosis.

"I am very glad to be here", said Dr. Stein, "although I arrived late because U.S. immigration from South Africa today is not very straightforward."

A native of Johannesburg, Dr. Stein graduated from Witwatersrand Medical School in 1975 and completed his internship in 1976 at the Johannesburg General Hospital. His wife, Patricia, was also in the health care field and they both enjoy music, photography, and camping.
Dr. Juan M. Taveras Honored

Dr. Juan M. Taveras, who was the third Director of the Mallinckrodt Institute of Radiology, and presently the Radiologist-in-Chief at Massachusetts General Hospital in Boston, was honored in ceremonies November 13 in Scarpellino Auditorium. The event, which was arranged by Dr. Ronald G. Evens, present Director of the Institute, included a lecture by Dr. Taveras and the unveiling of his portrait which had been commissioned by the Mallinckrodt Institute and Washington University Medical School. It will be permanently displayed in the main lobby of the Institute.

Present in the overflow audience were many friends and colleagues of Dr. Taveras who have established an endowment fund in his honor to support future research in neuroradiology.

In his introduction Dr. Evens said, "Juan Taveras is an internationally known neuroradiologist and considered by many as the single leading force that developed this subspecialty into a key clinical responsibility for radiology, respected by all members of the neurological sciences." Dr. Evens noted that the textbook, "Diagnostic Neuroradiology", by Dr. Taveras, is the primary teaching and reference source for all radiologists and other neurological physicians. He continued that Dr. Taveras has trained many of today's leaders in the field of radiology and is also an internationally known academic leader, having served on commissions for the American College of Radiology, the National Institutes of Health, and as president of the American Society of Neuroradiology.

Dr. M. Kenton King

Dr. M. Kenton King, Dean of the Medical School of Washington University, accepted the portrait for the University and noted that "Dr. Juan Taveras made a very significant impact on the School of Medicine and we are grateful and pleased to have this excellent portrait which will help us to remember his valuable contributions."

Dr. Taveras expressed his thanks to Drs. Evens and King and to friends in the audience, saying that he would always cherish the memory of the occasion and that "The years I spent at Mallinckrodt Institute were some of the happiest of my life."

In presenting the portrait, Dr. Evens concluded, "Most important to the members of this audience, Juan Taveras served the Mallinckrodt Institute and Washington University from 1965 to 1971 — critical years in the development of this Institute. Several radiology chairmen (including the current speaker) served under Juan Taveras during those years. The first major expansion of the Institute's research and clinical space was dedicated by Dr. Taveras in 1971 and included this auditorium. During the leadership of Juan Taveras, the Mallinckrodt Institute grew in size and quality — increasing its international reputation as an important focus for training and research in all of the radiological sciences."

Dr. Ronald G. Evens

Dr. M. Kenton King
Standing beside his portrait on the stage of Scarpellino Auditorium are Dr. Taveras, left, and Mrs. Taveras, Dr. King, and Dr. Evens.

Dr. and Mrs. Ronald Evens, left, and Dr. and Mrs. Juan Taveras.
In his lecture, “The Changing Approach to the Diagnosis of Cerebral Vascular Lesions” Dr. Taveras traced the evolution of our knowledge of cerebral vascular disease and discussed the development of angiography and the applications of computed tomography in the evaluation of the stroke patient.

He noted that the diagnosis of intracranial bleeding is easily made with CT and subarachnoid hemorrhage and parenchymal hemorrhage can both be diagnosed with a high level of accuracy. The subsequent arteriogram may be tailored to the expected site of bleeding and lumbar puncture for diagnosis of subarachnoid hemorrhage is no longer necessary. Cerebral angiography can be performed at the optimal time to localize the site of the rupture and to demonstrate the size and shape of the aneurysm.

He pointed out that CT is also useful in separating the ischemic stroke from the hemorrhagic event. Angiography is performed to evaluate the surgically correctable lesions in the cervical carotid artery. The arterial system is also studied to evaluate the possibility of a superficial temporal artery-internal carotid anastomoses.

Finally, Dr. Taveras discussed the recently developed non-invasive approaches in the evaluation of the extracranial vessels. Included were sonographic methods, thermography, ocular plethysmography, and phonoangiography. He felt that screening of patients at risk for vascular lesions should be performed while the patient was in the asymptomatic stage.
ras, delivered to an overflow audience, was included in the Radiology Conference, a lecture series initiated by
A reception at the poolside on the 18th floor of Queeny Tower followed the ceremonies.

Traveling from Eloise, Michigan for the occasion were longtime friends of Dr. Taveras, Dr. and Mrs. Ray A. Brinker, left, pictured with Dr. and Mrs. Sumner Holt.

It was a happy reunion for Dr. Taveras and Mrs. Hyman R. Senturia.
**Named Chairman**

Dr. Ronald G. Evens has recently been named Chairman of the Residency Review Committee for Radiology training programs in the United States. This committee is responsible for developing criteria and guidelines ("essentials") for radiology residency training programs in diagnostic radiology, radiation oncology, and for special competence in nuclear medicine. It also has the responsibility of evaluating individual training programs.

The Residency Review Committee is composed of four members of the American Board of Radiology and four members from the American Medical Association's Committee on Medical Education, of which Dr. Evens is a member. Dr. Evens is the first AMA representative to be elected chairman of the Radiology review committee.

**Foreign Lectures**

Dr. Bruce L. McClennan was a guest lecturer in CT scanning at the Asian-Pacific Medical Imaging Conference in Hong Kong and People's Republic of China, Dec. 13-29.

Dr. Mokhtar Gado will serve as a member of the faculty for a categorical course in Neuroradiology at the Roentgen Ray Society Meeting in Toronto, Canada, March 24-30, 1979.

**Lectures**

Dr. Carlos A. Perez presented "Radiation Therapy in the Treatment of Carcinoma of the Prostate" at the Fourth Annual Postgraduate Seminar in Management of Common Neoplasia, Sept. 14 in Chicago.

Drs. Stuart Sagel and Barry Siegel are invited members of the faculty for a refresher course, "Computed Tomography, Ultrasound and X-Ray, An Integrated Approach", to be held in San Francisco, Jan. 29-Feb. 2, 1979.

Hsiu-san Lin, Ph.D., lectured on "Origin and Differentiation of Mononuclear Phagocytes" at the Department of Biology, University of Missouri at St. Louis on Sept. 20.

**Dr. Mokhtar Gado** presented two lectures Oct. 3-7 at the Postgraduate Course in Neuroradiology at Massachusetts General Hospital, Harvard University, under the direction of Dr. Juan M. Taveras. He spoke on “Functional Anatomy by Cranial C.T.” and “Neuroradiology of the Ventricular System and Hydrocephalus.”

**Visiting Professors**

Dr. Barry Siegel was Visiting Professor at Johns Hopkins University in Baltimore, Oct. 14-15 and lectured to the Maryland Society of Nuclear Medicine on “The Relative Merits of Radionuclide Imaging, Computed Tomography, and Ultrasound” and “Clinical Studies with Indium-111-labeled Platelets.”

Dr. Bruce L. McClennan was Visiting Professor at the Medical College of Wisconsin and guest speaker for a refresher course, “Current Topics in Uroradiology” in Milwaukee, Nov. 3-4.

**Attend Meeting**


**CONFERENCE IN THE CARIBBEAN**

“Current Concepts in Musculoskeletal Radiology and Orthopedics”

Norwegian Cruise Ship M/S “Southward”
April 28 - May 5, 1979
10 nationally known faculty members
27 hours of Category 1 PRA credits
Ports of call: Cancun/Cozumel, Grand Cayman, Ocho Rios, Out Island

Sponsors: MIR and Washington University Office of Continuing Education

Arrangements being made by Louis A. Gilula, M.D. and William A. Murphy, M.D.

Dr. Emily Smith recently returned from a cruise on the M/S Southward, visiting the same Caribbean Ports as are included in the Mallinckrodt seminar cruise. "I heartily recommend the week at sea aboard the Norwegian M/S Southward", says Dr. Smith. "Passengers are treated royally, the ship is sparkling clean, and the ports of call are beautiful and delightful to visit. I would like to take the cruise again.”
Division of Radiation Sciences Featured in Film

The Handel Film Corporation of West Hollywood, California was on location at Mallinckrodt Institute of Radiology this past September for the filming of "The Atom in the Hospital." The film company produces films for various audiences about the newest developments in medicine.

The tomography section, which was the first and main part of the film, features the second biomedical cyclotron at Washington University Medical Center and the fifth generation Positron Emission Transaxial Tomograph (PETT V) developed by Dr. Michel M. TerPogossian and his colleagues at the Institute. The cyclotron is specifically designed to produce short-lived isotopes required in the PETT technique of medical diagnosis. The film also includes sequences in the Cardiac Care Unit of Barnes Hospital where the PETT IV is installed for the evaluation of heart disease.

The tomography sequence was preceded by a brief introduction describing the importance of nuclear medicine in the medical triangle of research, diagnosis, and treatment.

Providing information and assistance to the producer of the film, which will be widely distributed, were Dr. Marcus E. Raichle, Dr. Robert Roberts, Dr. Burton E. Sobel, Nancy Caston, Carol Higgins, Joanne Markham, and Nizar A. Mullani.

The script refers to The Mallinckrodt Institute of Radiology as "one of the leading research facilities dedicated to the healing arts through the atomic sciences."

MIR CALENDAR OF EVENTS

January 8, 1979
CITY WIDE RADIOLOGY CONFERENCE
Scarpellino Auditorium, Mallinckrodt Institute, 5:30 P.M.

February 12, 1979
CITY WIDE RADIOLOGY CONFERENCE
Scarpellino Auditorium, Mallinckrodt Institute, 5:30 P.M.

February 15, 1979
4th DISTRICT M.S.R.T. MEETING

March 12, 1979
CITY WIDE RADIOLOGY CONFERENCE
Scarpellino Auditorium, Mallinckrodt Institute, 5:30 P.M.

March 15, 1979
4th DISTRICT M.S.R.T. MEETING
Alexian Brothers Hospital

March 24-30, 1979
AMERICAN ROENTGEN RAY SOCIETY
Toronto, Canada

April 9, 1979
CITY WIDE RADIOLOGY CONFERENCE
Scarpellino Auditorium, Mallinckrodt Institute, 5:30 P.M.

April 19, 1979
4th DISTRICT M.S.R.T. MEETING
Missouri Baptist Hospital

May 6-10, 1979
SCARD – AUR – A³CR₂
Rochester, New York

May 14, 1979
CITY WIDE RADIOLOGY CONFERENCE
Scarpellino Auditorium, Mallinckrodt Institute, 5:30 P.M.

May 17, 1979
4th DISTRICT M.S.R.T. MEETING

July 29-August 4, 1979
XII INTERAMERICAN CONGRESS OF RADIOLOGY
Quito, Ecuador

September 16-20, 1979
AMERICAN COLLEGE OF RADIOLOGY
Chicago, Illinois
Seventh Annual Wendell G. Scott Lecture

Prior to the lecture, Dr. Fredrickson was interviewed at a press conference.

Dr. Evens points out the photo gallery of lecturers.

Among the attendees were Dr. William H. Danforth and Mr. James S. McDonnell.

Pictured beneath the portrait of the late Wendell G. Scott are lecturer, Donald S. Fredrickson, M.D., Director of NIH, Mrs. Scott, and Ronald G. Evens, M.D.
LaVerne Gurley Delivers Diaz Lectureship

LaVerne Gurley, R.T., FASRT, Ph.D., Assistant Professor of Radiologic Technology at the University of Tennessee, delivered the sixth annual Diaz Professional Education Lecture at Mallinckrodt Institute of Radiology.

The nationally known technologist and educator spoke on “Assuring Quality in Radiologic Health Care” at 8 p.m. Tuesday, November 14, in Scarpellino Auditorium. Robert Feldhaus, R.T., was program chairman.

Dr. Gurley is certified by the American Registry of Radiologic Technology, registered in Nuclear Medicine and Radiation Therapy, and was awarded a fellowship in the American Society of Radiologic Technologists in the same year (1971) as was Mr. Diaz.

Dr. Gurley assisted the Joint Review Committee as Chairman for the site survey teams. She has served as a consultant to the Task Force on Peer Review with the American College of Radiology and has contributed to the Registry Question Bank (ARRT) in Radiologic Technology, Radiation Therapy, and the Proficiency Examination. Dr. Gurley’s knowledge and dedication to radiologic technology are reflected in numerous papers and articles.

In her lecture, Dr. Gurley stressed that radiologic technologists should take the lead in providing quality in health care. She pointed out that even though radiologic technology is one of the largest of the allied health professions, providing health care to 50% of this nation’s people, the average patient is, more often than not, unaware of the technologist’s role in quality health care. She cited several reasons for this lack of impact:

Patients obtain X-rays indirectly as they are referred by their family physician and their only interest is learning the results of the examination. Radiologic technologists see the patient only briefly whereas other allied health professions have more patient contact.

X-ray is still a mysterious entity to most people; there is much controversy regarding the use and safety of X-ray; and additional disciplines such as Nuclear Medicine have been added. She explained the end result, “We have increased the difficulty of patient comprehension to its utmost.”

Dr. Gurley stressed that as technologists the first step is to educate patients in radiologic health care. “Patients have a right to know what tests consist of and how they can help to make the test of the highest
quality”, she said. “The results produce a more efficient and economical procedure and help to dispel patient fear and anxiety.”

Continuing education should become a way of life with radiologic technologists, emphasized Dr. Gurley, and it should encompass more than the specialized discipline, cut across all health disciplines, and include general knowledge and healthful lifestyles. Currently there are 2000 colleges and universities offering external degrees and Dr. Gurley stressed, “We must pursue independent or self study whether towards such an external degree or merely to enlarge our knowledge.” She also pointed out the need of more areas of specialty studies such as computer science and new methods of education.

Dr. Gurley believes that assuring quality in radiologic health care means more than producing clear radiographs. She concluded, “It means working as a team with other health professionals . . . being responsive to community needs . . . providing a safe environment for patients and employees . . . and it means eternal vigilance in protecting and improving the quality of life.”

The Diaz Professional Education Lectureship was established by friends and colleagues of Armand Diaz, R.T., FASRT, in recognition of the many contributions he has made to the profession and for his years of teaching and guest lecturing in the U.S. and foreign countries. Mr. Diaz also authored the book, “Radiography of the Skull and Brain”, first published in 1964.

Dr. Gurley later expressed her appreciation to Mr. Diaz, “I am so impressed with the effort the radiologic technologists in your vicinity put forth to make the annual Armand Diaz lectureship meeting a successful one and I personally enjoyed participating in this very important event.”

New Record Administrator

Fran Rosen, R.R.A., has been named Administrative Assistant-Records at Mallinckrodt. The department has 30 employees in the first floor scheduling film library area and in the records storage warehouse.

Miss Rosen comes to this position as a highly qualified registered record administrator. She was formerly employed as Assistant Director of Medical Records at a St. Louis county hospital and has worked as a Utilization Review Analyst for the Medicaid program in Texas.

A native of St. Louis, Miss Rosen is a graduate of the University of Kansas and holds a degree in Medical Record Administration from the University of Kansas Medical Center. She is an active member of the American Medical Record Association and her hobbies are indoor gardening, dancing, needlework, and cooking.

Exhibit Awards

Robert A. Feldhaus, R.T., center, and Norman Hente, R.T., left, were awarded first place for their technology exhibit, “The Creation of a New Procedure — TMJ Arthrography.” Second place award went to Judy Cortner, R.T., right, and Norman Hente, R.T., for “CT Artifacts — Causes and Cures.”
Rebecca Banks - Patients’ Advocate

Social worker, Rebecca Banks, has recently joined the staff of the Division of Radiation Oncology succeeding Laurie Braun who recently returned to New York. Mrs. Banks becomes the second social worker to be named to the staff since the Division determined three years ago that any comprehensive treatment of cancer patients must consider the patient’s non-medical as well as his medical situation. She is on staff to help patients and family members deal with a life-threatening illness, the need for radiation therapy, the routine at Mallinckrodt, and the effects of this illness on the patient’s social, emotional, and financial life. It is also the role of the social worker to help the medical staff deal effectively with the patient by enhancing communication and problem-solving between staff, patients, and families.

A native St. Louisan, Mrs. Banks graduated with a B.A. in psychology from the University of Missouri and received her Master’s degree in Social Work from Washington University. She is married and has an eight year old daughter. Her husband, Doyle, is an assistant professor in the School of Business Administration at Washington University.

During the past four years, Mrs. Banks has worked with head and neck cancer patients in the Otolaryngology Department of the University of Iowa Hospitals and Clinics and with diabetic patients in the Internal Medicine Clinics. In both departments she functioned as a member of an interdisciplinary team which provided comprehensive health care to patients and families.

“My goal,” said Mrs. Banks, “is to help patients and families cope with their disease and treatment in order to achieve and maintain the highest level of functioning possible, thus assuring quality of life as well as quantity.”

A Cheerful Lady in a Bright Pink Smock...

Edith (Edie) Wafer has been going beyond her role as a patient in the Radiation Oncology Division of Mallinckrodt to lend a helping hand to other patients in the Medical Center.

Last fall, Edie, who lives in Carterville, Illinois, discovered a large thick area on one side of her right breast. Her husband encouraged her to see their family physician who determined it was cancer and referred Edie to Barnes Hospital for surgery. In early October Edie had a mastectomy and on November 6 she began radiation therapy treatments at Mallinckrodt.

A resourceful, out-going lady, Edie holds a Bachelor of Home Economics degree and a Bachelor of Occupational Therapy from Colorado University and is a registered occupational therapist, interning in Denver. She has a son and daughter, both married, and her daughter lives in Swaziland, Africa where she and her husband are doing religious work. Her son is a mechanical engineer technologist in St. Louis.

Edie decided to take a Queeny Tower hotel room during her treatment period rather than commute from Illinois. Her daily routine consists of a light breakfast around seven o’clock each morning, then five minutes out of every hour for post-surgery exercises to regain mobility of her right arm after the removal of muscle. She joined the Barnes Hospital Auxiliary “to make worthwhile use of my time” and

Edie Wafer, right, discusses the stressful experience of having cancer with Rebecca Banks, social worker.
every day, as a volunteer, she delivers radiology pamphlets to patients, runs errands for them, or works in the hospital gift shop. Taking a rest period around noon, Edie then receives her oncology treatment on the Clinac-4 accelerator at 2 p.m.

“Dr. William Mill, my Mallinckrodt physician, has scheduled five weeks of radiation treatments for me,” Edie explains, “and then I am to go home where I will start a moderate course of chemotherapy. So far I have not experienced the possible side effects such as a lump in my throat or a slight sun tan where I’m being treated.”

Edie Wafer attributes much of her courage to her husband of 30 years who, she says, has always believed, “Decide to be happy and you will be happy.” Rebecca Banks, the Radiation Oncology social worker, comments, “I admire Mrs. Wafer because of her remarkable spirit and ability to handle her problem as a very positive experience.”

As to how she copes with cancer, Edie adds, “I don’t like to think about the possibility of heavy pain – that would test my mettle – but I’ve faced death before and right now I’ll go with that 85% who say, ‘I’ll live!’

ASTR

The following scientific presentations and exhibits were given at the 20th Annual Meeting of the American Society of Therapeutic Radiologists, Los Angeles, California, Oct. 13-Nov. 4, 1978.

PAPERS

“Comparative 60Co Total Body Irradiation (220 cm SAD) and 25 MV Total Body Irradiation (370 cm SAD) Dosimetry”, Glenn P. Glasgow, Ph.D., William B. Mill, M.D.

“The Relationship of Complication Rates to Dose and Field Size in 500 Patients with Carcinoma of the Cervix, Stages IIB, III and IVA”, Hywel Madoc-Jones, M.D., Carlos A. Perez, M.D., Sherry Breaux, H. Marvin Camel, M.D., William E. Powers, M.D., James A. Purdy, Ph.D., Bruce Gerbi, M.D.

“On the Importance of Specifying the Type of Staging, Clinical vs. Lymphogram vs. Laparotomy, when Comparing Results of Treatment in Hodgkins’ Disease”, Hywel Madoc-Jones, M.D., Lillian Fuller, M.D.

“Maxillary Sinus Carcinoma”, Fransiska Lee, M.D., Joseph Il. Ogura, M.D.


“A Dedicated Computed Tomography Treatment Planning System for Clinical Use”, Satish C. Prasad, Ph.D., Glenn P. Glasgow, Ph.D., James A. Purdy, Ph.D.

“Thermal Distributions for Clinical Microwave Hyperthermia”, Walter J. Kopecky, Ph.D., Carlos A. Perez, M.D.

“Radiation Therapy for Ependymoma: Treatment Results, Complications, and Dose Response”, Stephen J. Adler, M.D., James E. Marks, M.D., Dan Harvey, M.D.

“Preoperative Radiotherapy in Carcinoma of the Pancreas”, Miljenko V. Pilepich, M.D., H. H. Miller, M.D., S. E. McCauley, M.D.

“The Effect of Various Doses of Combined Intracavitary and External Irradiation in Survival and Tumor Control of Stages IIB, III and IVA Carcinoma of the Uterine Cervix”, Carlos A. Perez, M.D., Sherry Breaux, M.S., Frederick Askin, M.D., Hywel Madoc-Jones, M.D., H. Marvin Camel, M.D., William E. Powers, M.D., James A. Purdy, Ph.D., Bruce Gerbi, M.D.


“Radiation Therapy in the Treatment of Carcinoma of the Prostate Localized to the Pelvis”, Carlos A. Perez, M.D., Bruce Walz, M.D., Frederick Zivnuska, M.D., Miljenko Pilepich, M.D., Kurichety Prasad, M.D., Robert Royce, M.D., Walter Bauer, M.D.

TECHNICAL EXHIBITS


“The Design of a Clinical Hyperthermia Service”, Walter J. Kopecky, Ph.D., Carlos A. Perez, M.D.

“Comparative 60Co Total Body Irradiation (220 cm SAD) and 25 MV Total Body Irradiation (370 cm SAD) Dosimetry”, Glenn P. Glasgow, Ph.D., William B. Mill, M.D.

The scientific exhibit, “Quality Assurance Program for Linear Accelerators in Radiation Therapy,” presented by Dr. James Purdy was awarded the Society’s Silver Plaque. The exhibit focused attention on Quality Assurance (QA) procedures developed at MIR, the teamwork approach required for good QA, the equipment needed, and the benefits derived from such a program.
Adios, Retirees

Mary Frances Hickey

"After much thought, discussion, and prayer, I have decided to take my retirement as of December 31, 1978", said Mary Frances Hickey, a long-standing and loyal employee of Mallinckrodt Institute. For over 24 years Mary Frances has worked as a secretary and medical transcriptionist.

A native of Madison in north central Missouri, Mary Frances was attending William Woods College in Fulton, Missouri when she contracted polio during her sophomore year and was left unable to walk.

"It took time for me to adjust to being in a wheelchair", said Mary Frances, "but after awhile I decided to take secretarial training which led to a job in a hospital in Moberly, Mo. for six years." After moving to St. Louis to be near her brother and sister, Mary Frances began her career as a transcriptionist at MIR in July, 1954.

"It would be impossible for me to name all the people who have helped me along the way, but I have to mention Dr. Hugh Wilson, the second Director of Mallinckrodt, who had enough faith in my ability to hire me in the first place, and who was ever-helpful and ever-encouraging", said Mary Frances.

"There was variety in my job as I worked on every floor except seven, which was the animal laboratory, because Dr. Wilson said that I was a stabilizing influence on the floors! MIR was just like a big family then."

Working in Queeny Tower since 1967, Mary Frances says, "I have gotten so much satisfaction out of my work as I feel I do it well and I have enjoyed an excellent relationship with the doctors in Queeny Tower."

Mary Frances started driving a car in the early 60's and this has enabled her to enjoy trips around the country, but it was in 1973 that she especially showed her indomitable spirit. On December 23 she broke her right hip, a real problem for a person already confined to a wheelchair. What a way to spend Christmas! The hip was pinned on Christmas Eve and shortly thereafter Mary Frances was out of bed and in her chair. She returned to work full time on February 7th. "Those of us in Queeny Tower X-ray", said the Director, Dr. Emily Smith, "who rely on her efficiency and cheerfulness welcomed her back much sooner than any of us had expected."

During her retirement, Mary Frances plans to do some free-lance typing, catch up on her knitting and crocheting, and just rest a little. "It takes a good deal of my stamina to cope with my job and winter weather on a day-in, day-out basis", explains Mary Frances. "However, I am indeed fortunate to have had the opportunity to work at MIR all these years. I am particularly grateful that in spite of my disability, the only concession made was in providing whatever special equipment I needed to perform my duties adequately and efficiently."

Mary Frances will be missed by her many friends at Mallinckrodt, not only for her efficiency and loyalty but also for her sense of humor as evidenced by one of her reminiscences: "Just before I left home to come to work one day I discovered one of the screws was loose in the back of my wheelchair. When I arrived at Mallinckrodt, getting on the elevator with me was Carl Petit (maintenance, retired) and a hospital patient. As we rode up to my floor I said, 'Carl, I've got a screw loose' whereas the patient turned to me and said pleasantly, 'Lady, you're in the wrong building.'"

Don't ever change, Mary Frances!
Roy Ragan, carpenter supervisor

When Roy Ragan, carpenter supervisor, came to Mallinckrodt, his shop was in the basement of the old Shriners Hospital. "Commuting between there and the Institute was a job in itself", said Roy, "as I had to roll equipment and supplies on carts across Euclid. Since Mr. Armand Diaz hired him in 1969, Roy’s job has left his trademark of expert cabinetry and ingenious remodeling on every floor of the Institute.

Through the years, the biggest challenge presented Roy was to try and make more “Space” in the rapidly growing Institute. By utilizing every available technique, he literally worked miracles through his imaginative carpentry skills and resourceful planning. On top of his top priority jobs of regular maintenance, Roy and his co-worker, Bob Shaw, have provided custom built cabinets in all areas of the Institute.

Roy, who has lived in Kirkwood since 1940, has two married daughters, six grandchildren, and four great grandchildren. Margaret, his wife of 41 years, died of cancer last August. Realizing so well the needs of the sick, she continually sent by Roy a wide selection of popular magazines to the patients at Mallinckrodt.

What are his plans for retirement? Roy tells us he plans to maintain a woodworking shop at home, take a sightseeing trip in his camper to the big timber country of Washington, Oregon and Canada, and of course “go hunting.” A veteran outdoorsman, Roy’s favorite areas for deer and elk hunting are Montana and Wyoming – not to mention his own farm near St. Clair, Missouri. “I guess my largest trophy was a 1000 pound moose in Colorado,” he recalled. But the real joy of hunting for Roy comes in sharing the game with his friends. For 16 years, Roy, an expert cook, hosted a barbecued venison dinner at the Loop Lounge in Kirkwood.

Roy says, “What I will miss most at Mallinckrodt are the people.” During the years, Roy’s warmth of personality, good humor, and interest in others have gained him many friends in all areas of the Institute. He will be missed not only as a valuable craftsman but as a friend.
Season's Greetings

As another year draws to a close and we prepare for next year, let us continue to reflect our love and concern and gentleness of feeling for all with whom we work and to all the patients for whom we care.

From the Editor