

Fall 1977

## Focal Spot, Fall 1977

Follow this and additional works at: [http://digitalcommons.wustl.edu/focal\\_spot\\_archives](http://digitalcommons.wustl.edu/focal_spot_archives)

---

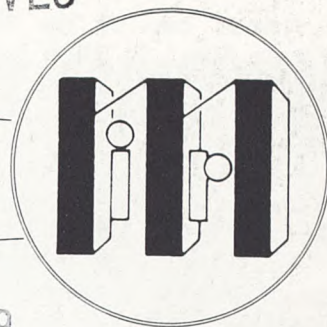
### Recommended Citation

Focal Spot, Fall 1977, October 1977. Bernard Becker Medical Library Archives. Washington University School of Medicine.

This Book is brought to you for free and open access by the Focal Spot at Digital Commons@Becker. It has been accepted for inclusion in Focal Spot Archives by an authorized administrator of Digital Commons@Becker. For more information, please contact [engeszer@wustl.edu](mailto:engeszer@wustl.edu).

SHELVED IN ARCHIVES

# FOCAL SPOT



Property of Washington University  
Medical Library

MAR 5 '79

A NEWSLETTER OF MALLINCKRODT INSTITUTE OF RADIOLOGY

VOLUME VII

FALL 1977

NUMBER 19

## Sixth Annual Wendell Scott Lecture

Frank J. Rauscher, Jr., Ph.D., Senior Vice President for Research of the American Cancer Society, delivered the Sixth Annual Wendell G. Scott Lecture at Mallinckrodt Institute of Radiology, Washington University Medical Center.

The internationally known scientist and administrator spoke on "The National Cancer Program: A Social Experiment in Biology and Medicine" at 5:30 p.m. Monday, September 12, in Scarpellino Auditorium.

Dr. Rauscher's many scientific achievements include the discovery and characterization of a new murine-leukemia producing virus with properties that now make this system a most important laboratory model for neoplasia. Over 5,000 papers have been published on studies using this system.



Frank J. Rauscher, Jr., Ph.D.

Born in Pennsylvania in 1931, he received his Ph.D. from Rutgers University in 1957. Dr. Rauscher's administrative talents were recognized early by the National Cancer Institute where he held many positions including Chief of the Viral Leukemia and Lymphoma Branch and Director of the National Cancer Program.



## Wendell G. Scott Lecture

Named one of the Nation's "Ten Outstanding Young Men" in 1965 by the United States Junior Chamber of Commerce, Dr. Rauscher is a member of Sigma Xi and has been awarded the Comenius Award of Moravian College, the James Research Award of the Ewing Society, and the Distinguished Service Award of the Department of Health, Education and Welfare.

The Wendell G. Scott Memorial Lecture was established by friends and colleagues of the late Dr. Scott as a living memorial to his excellence and leadership at Washington University and in radiology and medicine. Dr. Scott was Professor of Clinical Radiology at Washington University School of Medicine at the time of his death in 1972.

## 1977 Gridiron

# Proceeds for Computer System

The Advertising Women of St. Louis has presented \$17,500 in proceeds from their 43rd annual Gridiron show to Mallinckrodt Institute at Barnard Free Skin and Cancer Hospital for a highly sophisticated small computer system for the Division of Nuclear Medicine. To honor this donation, a plaque will be installed in the proximity of the computer.

Dr. Barry Siegel, Director of the Division, explained improvements the computer offers over the Division's current system, which is one of the earliest computers designed for Nuclear Medicine. He said it includes a high-quality color-TV display and a printer-plotter to generate pictures of graphs and images. The computer is able to run up to seven different programs simultaneously and process data at the same time as additional images are being collected. It will improve picture quality by processing images from radiation detectors using methods similar to those applied to satellite photos.

Built by Varian Associates of Palo Alto, California, the "Varicam," which was put into use on July 22, is the second installation in the United States, making the Mallinckrodt facility one of the most advanced in the country.



Mrs. Mary Ellen Heldmann, 1976 President of the Advertising Women of St. Louis and Dr. Barry Siegel, Director of the Division of Nuclear Medicine, view cardiac blood flow scans on the Varicam color-TV display.

Dr. Siegel stated that the special purpose mini-computer will enable the Division to diagnose heart attacks with improved accuracy and follow up the effects of treatment of diseased hearts without cardiac catheterization. Another use will be to measure regional lung function. "For example," said Dr. Siegel, "in patients with lung cancer we can predict the postoperative function of the remaining lung after removal of the tumor-bearing lung. We hope that the increased speed and ease of operation of the new system will enable us to return preliminary reports immediately following studies. We also expect the system to allow us to develop new techniques for diagnosing diseases which would be impossible to achieve without a computer."

Since 1945, the Advertising Women have donated \$367,000 to cancer research. Through proceeds from the 1948 Gridiron, Barnard Hospital was able to introduce and make available in the St. Louis area, the famed Papanicolaou method ("Pap" test), a simple means of early detection of cancer in women. This year's donation to cancer research brings the organization's total to \$384,000.



## A Visit With The Chiefs

**Dr. Philip J. Weyman**, Chief-Resident, from Cincinnati, Ohio, has the unique distinction of being a member of a family of physicians. His mother and father were in general practice together in Cincinnati; his brother is a thoracic surgeon, and his sister, a hematologist. Dr. Weyman attributes his choice of a medical career to his parents' great appreciation and enjoyment of their work, which they often discussed and shared at home with the family.

He received the B.A. and M.D. degrees from Yale University and completed his surgical internship at Case Western Reserve University in 1973. It was here he met his wife, Tina, who was a social worker at the hospital. The following two years he served as a medical officer aboard the U.S.S. Little Rock.

The strength of the residency program attracted Dr. Weyman to Mallinckrodt and St. Louis where the Weymans enjoy attending the symphony, vegetable gardening, working on projects around their home in Webster Groves, and mainly the care and upbringing of their 22 months old son, Philip, Jr.

**Dr. Christopher J. Moran**, Co-Chief Resident, has played ice hockey since he was six years old. Although his enthusiasm has never waned — he still plays in Creve Coeur — Dr. Moran says he has "too many teeth for professional hockey."

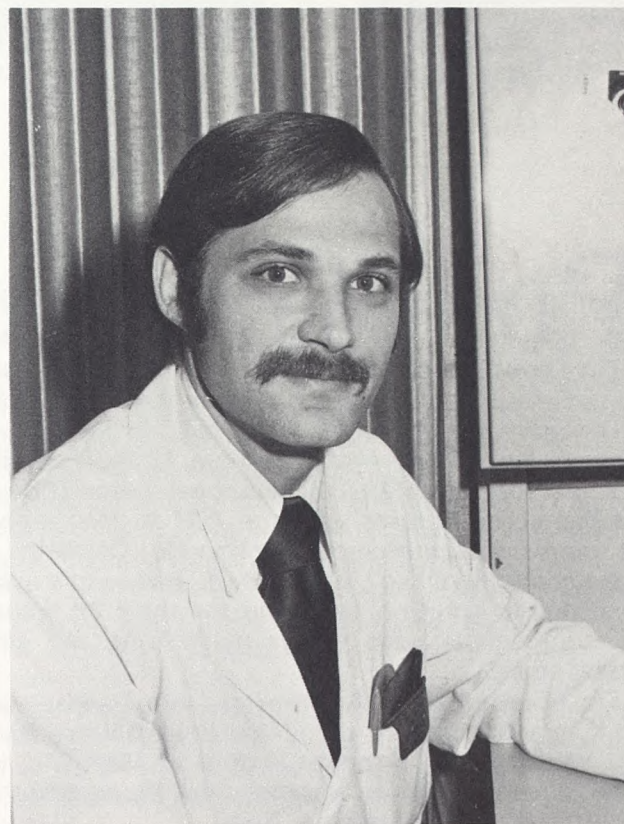
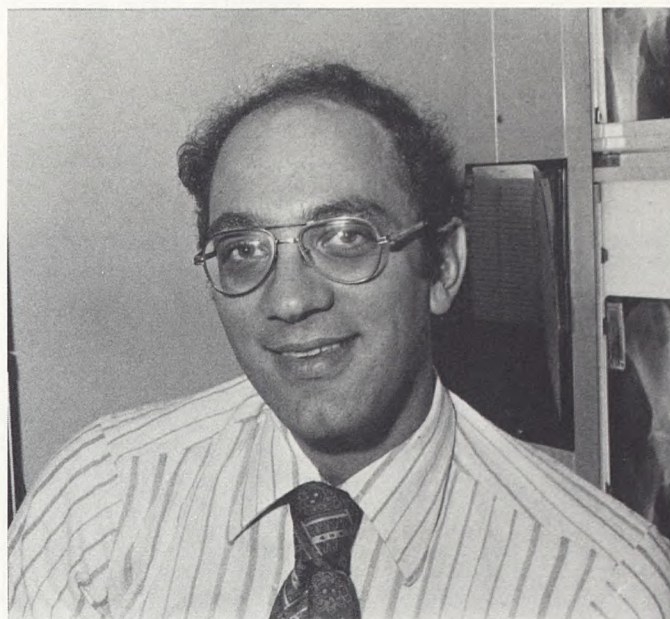
A native of Detroit, Michigan, Dr. Moran is a graduate of the University of Notre Dame and St. Louis University Medical School. There was no "waiting in the wings" for his wife, Eleanor, a research attorney in the Missouri Court of Appeals. She received her master's degree in tax law from Washington University and the J.D. from St. Louis University. Her professional-minded family includes two lawyers, an internist, an accountant, and a nurse.

"Needless to say, her parents believe in education," said Dr. Moran.

"I enjoy radiology," said the new co-chief, who is in his fourth year of diagnostic training. "in fact, it doesn't seem like work."

"My father is trying to interest me in his hobby of raising standardbred race horses (pacers and trotters) but so far I lean more toward winning at the races than breeding the horses."

The Morans also enjoy their home in Kirkwood, Missouri where Eleanor is studying piano and Dr. Moran's "victory" garden of tomatoes and strawberries is flourishing. They are expecting their first child in December.





*"We must continue teaching residents and students and studying ways for improving diagnosis or treatment in the future. . . ."*

*Ronald G. Evens, M.D., 1971*

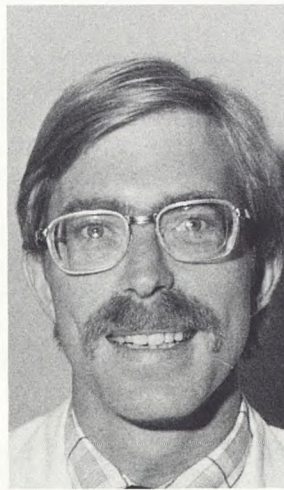
A NewB



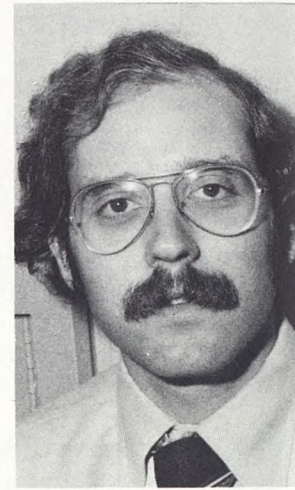
Dr. David Hardy



Dr. Robert G. Armbruster



Dr. Arthur F. Bishop



Dr. William G. Spies

## Post Graduates

197

Dr. David Hardy and his family came to St. Louis from Salt Lake City, Utah, where he received his M.D. from the University of Utah. A graduate of Brigham Young University in Provo, Utah, Dr. Hardy is a member of AOA, the National Association of Residents and Interns, and the A.M.A. His hobbies are tennis and photography. His wife, Catherine, is also a graduate of the University of Utah with a major in piano. In addition to caring for their 22 months old son, Jeffrey, she enjoys performing and composing music.

Dr. Robert George Armbruster from Queens, New York, graduated from the University of Notre Dame and Washington University School of Medicine. His wife, Eileen Marie, is employed in the engineering department of Southwestern Bell.

Dr. Arthur F. Bishop, a bachelor from Chicago, Illinois, graduated from Northwestern University in 1972 and completed his M.D. in 1977 at the University of Illinois, Abraham Lincoln School of Medicine in Chicago. Stamp collecting and oriental cooking are special interests of Dr. Bishop's but he also finds time for playing golf and racquetball.

Dr. William G. Spies, a native of Chicago, Illinois, completed his premedical education (B.S.) and received his M.D. from Northwestern University. A bachelor, he is a member of AOA, and enjoys photography, music, and sports as hobbies.



# Beginning

"... however, we must first remember and be dedicated to delivering the best possible service to our patients."



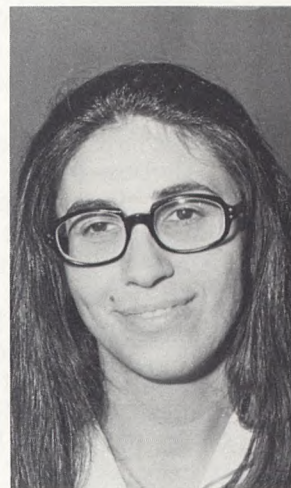
Dr. John F. AufderHeide



Dr. Richard Baron



Dr. Howard Glazer



Dr. Barbara Monsees

1977

## 1st Year Residents

Dr. John F. AufderHeide is a Phi Beta Kappa graduate of the University of Missouri, Columbia. A native of St. Louis, he was an AOA at Washington University where he completed the M.D. degree followed by his medical internship at the University of Pennsylvania. Dr. AufderHeide's wife, Nancy, is working toward a master's degree in zoology but manages to find time for painting and playing golf and tennis with her husband.

Dr. Richard Baron was born in Springfield, Massachusetts, and received his B.A. from Yale University and his M.D. from Washington University. A member of AOA, Dr. Baron is married and lives in University City. His wife, Shirley, is a psychologist, and they both enjoy the hobbies of music and sports.

Dr. Howard B. Glazer, a native of Cleveland, earned the M.D. degree, *summa cum laude*, from the Ohio State University School of Medicine, where he was elected to Alpha Omega Alpha. He served his medical internship at Barnes Hospital. Dr. Glazer describes himself as a "tennis fanatic" and says he comes from a long line of radiologists including an uncle, brother-in-law, and cousin. His wife, Debra, attends St. Louis University School of Nursing.

Dr. Barbara Monsees received the B.A. degree in biology from Brandeis University in 1971 and graduated from Washington University School of Medicine in 1975. She served her pediatric internship and residency at St. Louis Children's Hospital. Dr. Monsees is married and her husband, Thomas, is an electrical engineer.



## Dr. Kamens' Contributions to Science Honored

Washington University conferred an honorary Doctor of Science to Martin David Kamen, Ph.D., an internationally famous biochemist and former staff member of the Mallinckrodt Institute of Radiology, at the 116th commencement exercises, May 20, 1977. Dr. Kamen began his distinguished career with the discovery and isolation in 1940 of the long-lived radioisotope Carbon-14, one of the most important radioactive tracers in science. He served as associate professor of biochemistry and chemist to Mallinckrodt Institute from 1949 to 1957. At present he is a member of the faculty of the University of Southern California, where he is concurrently professor of chemistry, biochemistry and biological sciences.

An important biomedical research tool in trace studies, Carbon-14 is the basis for the "carbon dating" techniques used to establish the age of prehistoric objects. It is produced in the atmosphere by cosmic rays, is incorporated into all living matter, and can be used to label almost every organic compound. As Carbon-14 decays with a half life of 5,760 years, the radio carbon activity of an organic specimen is a measure of its approximate age.

On August 2, 1946, the first Carbon-14 was released by the War Department for research to Barnard Free Skin and Cancer Hospital and Mallinckrodt Institute of Radiology in St. Louis. This first shipment of radioisotopes from Oak Ridge, Tennessee to any civilian institution signaled the beginning of the present era of available radioisotopes produced at reasonable cost.

Born in Canada in 1913, Dr. Kamen was raised as an American citizen in Chicago. His B.S. *cum laude* and Ph.D. degrees are from the University of Chicago, 1933 and 1936, respectively. Important findings of his research career (beginning in the late 1930's) in applying tracer methodology to the study of photosynthesis were demonstrations of carbon dioxide fixation as a dark reaction linked to the photochemical evolution of water from oxygen. From 1947 his work on the metabolism of the photosynthetic bacteria led to a breakthrough by revealing that nitrogen fixation, the process with photosynthesis of key importance for maintenance of life on earth, was a more general phenomenon than previously believed.

Dr. Kamen has published over 200 articles covering the diverse fields of nuclear physics, nuclear chemistry, and chemical microbiology. He is a member of Phi Beta Kappa, Sigma Xi, the National Academy of Sciences, and the American Philosophical Society. He has been accorded numerous honors, including awards from the C. F. Kettering, Guggenheim, and Alexander von Humboldt Foundations.

Dr. Kamen is also known as a violinist of professional competence. His wife, Dr. Virginia L. Swanson, is a professor of pathology in USC's School of Medicine and his son, David, holds a master's degree in Asiatic Studies from the University of California in Berkeley.

## Gallbladder Opacification Studies

Oral cholecystography, the process of obtaining Xray films of the gallbladder after a radiopaque dye has been injected orally, has been performed for about fifty years. Much of the early pioneer efforts in this field were made in the early 1920's by Drs. Evarts Graham and Warren Cole here at Washington University. Despite the number of years during which this procedure has been performed, several questions regarding its interpretation remain unanswered even today. One of these questions relates to the significance of gallbladder opacification visible radiographically one or two days after the routine gallbladder films are obtained.

Within the last few years, surgeons from Chicago and from Oregon have reported that prolongation of gallbladder opacification is abnormal and indicates that gallbladder inflammation (cholecystitis) is present even when no gallstones can be seen. However, Drs. Robert Koehler and Robert Stanley of the Abdominal Section at MIR have been impressed that prolonged visualization of the gallbladder was a very common occurrence and is seen routinely in oral cholecystographic studies performed on the 4th Floor. This observation led them to question the validity of these reports in the literature.

With the help of Joseph Di Croce, R.T., technical supervisor on the 4th Floor, and the support of Mallinckrodt, Inc., a study was designed to test whether prolonged visualization of the gallbladder is a normal response or whether it indicates gallbladder inflammation. After obtaining approval from the Barnes Hospital Medical Advisory Committee and the Washington University Human Studies Committee, the project was begun on in-patients undergoing oral cholecystography on the 4th Floor. Approximately 100 patients have been studied to date. Preliminary results indicate that prolonged visualization of the gallbladder occurs in over half of the persons studied. Some of the patients found to have prolonged gallbladder opacification have subsequently undergone abdominal surgery and, as expected, none has been found to have an abnormal gallbladder on inspection by the surgeon. The study will be com-



pleted shortly and the final results will be presented at the annual meeting of the Radiological Society of North America in November.

## Focus on Fellows

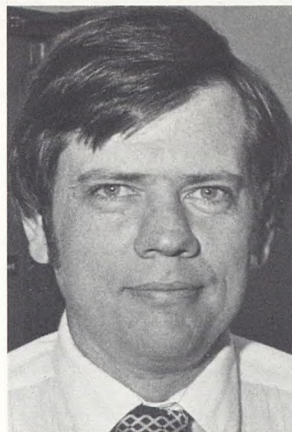
**Roger J. Adams, D.M.D.**, comes to Mallinckrodt as a Fellow in Dental Radiology. A native of American Fork, Utah, Dr. Adams holds a B.S. in zoology from Brigham Young University and the M.S. degree in oral pathology and D.M.D. degree from Washington University. He is a member of the American Academy of Oral Pathology and his favorite hobbies are photography and antique refinishing. Dr. Adams and his wife, Kathy, live in Ladue. They have three children, Melanie, 6, Roger James, 4, and Michele, 1½.

**Dr. Fabio Jose Rodriguez** is a neuroradiology fellow from the Dominican Republic. He graduated from the Facultad De Medicina in Valencia, Spain, interned at Franklin Square Hospital in Baltimore, Maryland and trained in diagnostic radiology at the Medical College of Virginia. Dr. Rodriguez is also an artist specializing in ink and acrylics and he and Mrs. Rodriguez (Ylsa) and their two children, Fausto, 4, and Fabio Jose, Jr., 6 months, reside in Sappington.

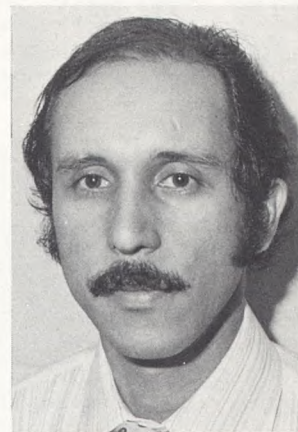
**Dr. Nolan Karstaedt**, a native of South Africa, graduated from Witwatersrand University and trained in Johannesburg at Johannesburg General and Baragwanath Hospitals before coming to Mallinckrodt as a Fellow in Diagnostic Radiology. He devotes many of his off hours to black and white portraiture photography and his wife, Marcelle, along with her career as a speech and hearing therapist, is his favorite model.

**Dr. Walter Holloman** was born in Mississippi, but has lived most of his life in Texas where he received the B.S. degree in engineering from Rice University and graduated from the University of Texas Medical School at Galveston. He served his internship and residency at Wesley Hospital, Wichita, Kansas, before entering the U.S. army for two years. In addition to caring for their three children, Jamie, 8, Zak, 5, and Bree, 5 months, Dr. Holloman's wife, Diane, enjoys swimming and jungle flora and his favorite hobbies are golf, painting in different medias, and quarks. He comes to MIR as a Fellow in Neuroradiology.

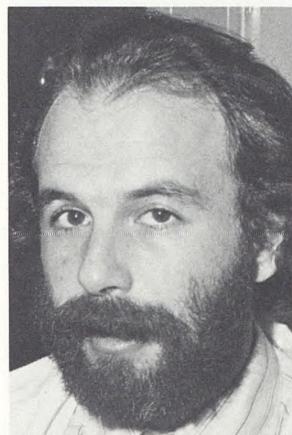
**Dr. Marilyn J. Siegel** (co-chief resident 1976-77) completed a diagnostic radiology residency at MIR and will obtain an additional year of experience as a fellow in pediatric radiology.



**Roger J. Adams, D.M.D.**



**Dr. Fabio Jose Rodriguez**



**Dr. Nolan Karstaedt**



**Dr. Walter Holloman**



**Dr. Marilyn J. Siegel**



*"We cannot be proud of our academic endeavors unless we continue to pursue a course of excellence in radiologic services to the patients who come to the Institute for help."*

## Honors

Dr. Ronald G. Evens, Director of Mallinckrodt Institute, has been elected president of the Missouri Radiological Society.

Dr. R. Gilbert Jost has been reappointed as a Picker Scholar by the James Picker Foundation for a third academic year beginning on July 1, 1977.

Dr. Aly A. Razek has been awarded a second year Junior Faculty Clinical Fellowship from the American Cancer Society for the period July 1, 1977-June 30, 1978.

Dr. Hsiu-san Lin's NIH Research Career Development Award has been renewed for a fourth year, beginning on July 1, 1977. During this academic year, Dr. Lin will be on leave-of-absence from Washington University and will continue his research work at the University of Oxford in England. His wife, Sue Chen, Associate Professor of Pediatrics at St. Louis University, will be working at Radcliff Infirmary which is the teaching hospital of the University of Oxford.

Dr. Ronald G. Evens has accepted an appointment to the Advisory Editorial Board of *Radiology*.

Dr. Robert Stanley was elected vice-president of the Barnes Hospital Society at its 1977 spring meeting.

Dr. Carlton C. Stewart, Associate Professor of Cancer Biology, has been elected to the Program and Site Committee of the Reticuloendothelial Society.

## Radiology Residents, Trainees and Fellows, 1976-1977



Back row, left to right, Drs. Elson, Lee, Nussbaum, Herman, Lenobel, Moran, Ellis, Bookin, Gukhool, Brinkley, T. Miller. Second row, Drs. Jones, Rujanavech, Totty, Choplin, Weyman, Burrows, Paull, W. Miller, Tievsky, Heiburg, Blakely, Davis. Seated, Drs. Taylor, Melson, Siegel, Co-Chief Resident, Evens, Radiologist in Chief and Director of MIR, Biello, Chief Resident, Kotlyarov, Berkman.

Dr. Barry Siegel has been elected a fellow in the American College of Physicians.

Dr. Carlos Perez was selected 1977-78 "Boss of the Year" by the American Business Women's Association, the St. Louis Renaissance Chapter.

Dr. Robert Stanley was one of two radiologists invited to be a member of the faculty of a Gastroenterology Symposium held at the Keystone Life Sciences Study Center in Keystone, Colorado.

Health care institutions in St. Louis and Washington have honored Dr. William E. Allen, Jr., a member of the clinical staff of Mallinckrodt and clinical professor of radiology at the St. Louis University School of Medicine. The Howard University Teaching Hospital in Washington has dedicated the radiology department library in Dr. Allen's name and Homer G. Phillips Hospital has named its radiotherapy suite in honor of Dr. Allen.

### NEW CT GROUP

Drs. Stuart S. Sagel and Robert J. Stanley, members of the MIR Staff, are charter members of the newly formed Society of Computed Body Tomography which is composed of diagnostic radiologists active in the clinical utilization of this imaging modality. The Society's purpose is to serve as a forum for the gathering and dissemination of scientific information among the experienced leaders in the field. The group is planning a refresher course at the Islandia Hyatt House in San Diego, Jan. 30-Feb. 2, 1978. Dr. Sagel is secretary-treasurer and Dr. Stanley is one of the members responsible for the Scientific Program.



"Teaching and research must be based on excellent patient care and service."

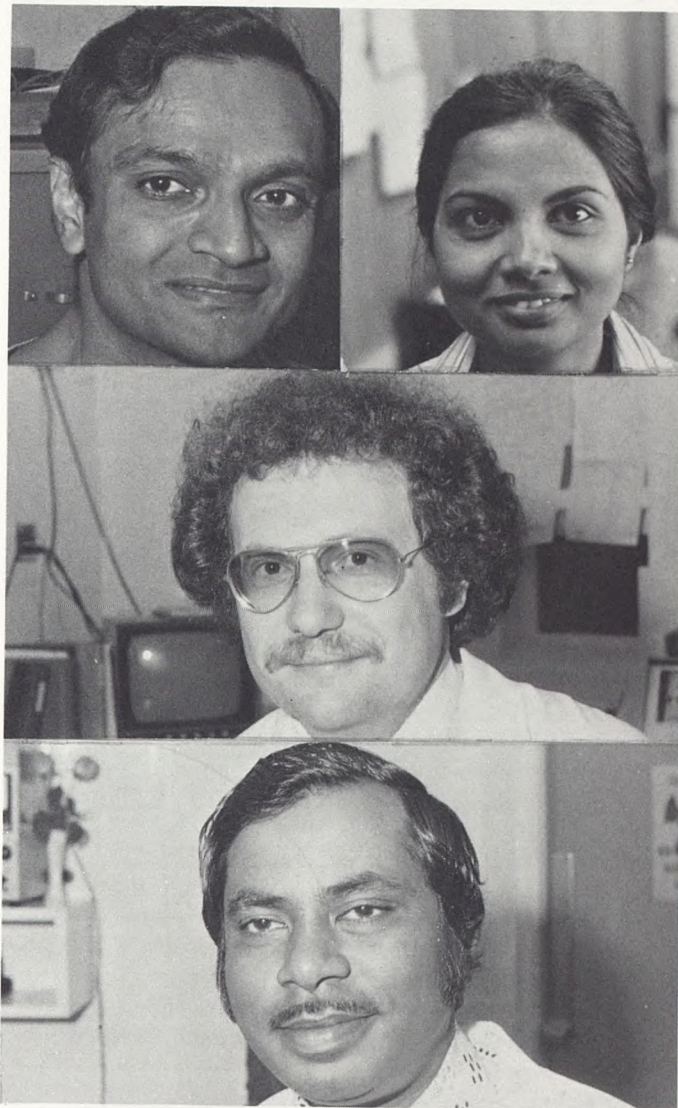
# W E L C O M E

## MALLINCKRODT'S HUSBAND AND WIFE TEAM

Born in Tanzania, East Africa, of Indian parents, **Dr. Ramesh B. Patel**, fellow in diagnostic radiology, graduated from the University of Baroda (India) School of Medicine, as did his wife, **Dr. Bharti R. Patel**, who is a 2nd year resident in nuclear medicine. The couple met in medical school, married a year later and came to the U.S. where Dr. R. Patel served his medical internship at South Baltimore General Hospital. From there to Elyria, Ohio and Elyria Memorial Hospital and two years of residency training in pathology for Dr. B. Patel and a radiology residency for her husband. He continued his training at the University of Virginia before the couple came to St. Louis and Mallinckrodt. The Patels enjoy their six year old son, Arun, their like careers, and their hobbies of ceramics and photography.

**Dr. James J. Santoro**, 2nd year resident in Radiation Oncology, is a native of Newark, New Jersey. He received the B.S. degree from Creighton University in Omaha, Nebraska, and the M.D. degree from the University of Bologna, Italy. He returned to his native state of New Jersey for a categorical medical internship at Morristown Memorial Hospital and served his residency in radiation oncology at Upstate Medical Center, Syracuse, New York. A bachelor, Dr. Santoro is an avid tennis player, enjoys sailing, and is a veteran cross country skier.

**Dr. Kurichety Prasad**, 3rd year resident in Radiation Oncology, was born in India where he graduated from Andra Memorial School and took his postgraduate and radiology residency training at King George Hospital in Waltair, Andhra Pradesh India, and Osmania University, India. He trained for two years in radiotherapy before coming to the U.S. to begin a radiology residency at St. Louis University. Dr. Prasad's family includes his wife, Sunanda, and a 3 year old son, Kiran.



## Nuclear Medicine News

*By Linda Cunningham*

Siegel, M.D. and Don Bernier, R.T., were members of the Scientific Program Committee; Dr. Siegel for the Society and Mr. Bernier for the Technologists' Section.

Donald R. Bernier, director of technical education in the Division of Nuclear Medicine, was elected a member of the Nuclear Medicine Technologists' Certification Board.



## NEW STAFF

**Dr. Dixie Jane Aronberg** is an instructor in radiology in the chest section of the Mallinckrodt Institute, after completing a radiology residency at the Jewish Hospital in St. Louis.

**Dr. Daniel R. Biello** (chief resident 1976-77) is an instructor in radiology in the Division of Nuclear Medicine, after completing a diagnostic radiology residency at MIR on June 30, 1977.

**Dr. Ben Dien-ming Chen** was appointed as a research associate in cancer biology in radiology, effective 6/16/77.

**Nancy Jo Caston** is a research assistant in radiology in the Division of Radiation Sciences, effective July 5, 1977.

**Dr. Gene Davis** (co-chief resident 1975-76) has been appointed as instructor in clinical radiology to MIR. Dr. Davis is in private practice with the Christian Northwest Hospital Group in St. Louis.

**Dr. Keith C. Fischer** was appointed as an instructor in clinical radiology to the Institute's staff. Dr. Fischer is on the full-time staff at Jewish Hospital of St. Louis.

**Dr. Milton S. Klein** has been appointed to the staff of the Nuclear Medicine Division as an instructor in radiology (primary appointment-instructor in medicine, cardiovascular division).

**Dr. Daniel J. Leary, Jr.**, joined the staff of the Institute as an instructor in clinical radiology on May 1, 1977. Dr. Leary is a member of the radiology staff at St. John's Mercy Medical Center in St. Louis.

**Dr. King Tak Lee** was appointed as an instructor in radiology to the abdominal section of the Institute, following the completion of his residency in diagnostic radiology on June 30, 1977.

**Hywel Madoc-Jones, M.D., Ph.D.** has returned to St. Louis to accept a position as an associate professor of radiology in the Division of Radiation Oncology. Both Dr. Madoc-Jones and his wife, Suzanne, were on the Institute's research staff prior to his decision to enroll in medical school and pursue a career in medicine.

**Dr. Bruce L. McClennan** joined the Institute's staff on June 1 as an associate professor of radiology in the abdominal section to be in charge of genitourinary radiology. He took his residency at Columbia Presbyterian Medical Center and prior to coming to St. Louis, was on the staff of George Washington University Medical Center, Washington, D.C.

**Dr. Thomas P. Naidich** was appointed to the Institute's staff as an assistant professor of radiology in the section of neuroradiology. Dr. Naidich came from New York where he was on the staff of the Albert Einstein College of Medicine.

**Dr. Gordon Phillips** was appointed as an instructor in the Division of Radiation Oncology (primary appointment is with the Department of Medicine).

**Dr. Rochelle M. Pudlowski** is an instructor in radiology in the section of musculoskeletal radiology at MIR, following the completion of a diagnostic radiology residency at New York University Medical Center.

**Dr. B. Ramanath Rao** has been appointed as an assistant professor of cancer biology in radiology, effective July 1, 1977. Dr. Rao has been a research associate in cancer biology at the Institute since September 1974.

**Dr. Chandrakant C. Tailor** completed a one-year fellowship in diagnostic radiology and will remain on the staff as an instructor in radiology in the musculoskeletal section of the Institute.

**Dr. Timothy Tewson**, Associate Professor of Radiology in Radiation Sciences, was born in Sussex, England. He received the B.Sc. degree at the Imperial College in London and the Ph.D. degree with the Nobel Laureate, Sir Derek Barton. Dr. Tewson completed post-doctoral fellowships at the University of Sussex and the University of Manchester Institute of Science and Technology.

## PROMOTIONS

**Dr. Robert Levitt** to the rank of Assistant Professor of Radiology, effective 12/1/76.

**Dr. Robert L. Grubb, Jr.** to Associate Professor of Radiation Sciences in Radiology, effective 7/1/77.

**Dr. Robert C. McKnight** to Associate Professor of Radiology, effective 7/1/77.

**Dr. Gary Shackelford** to Associate Professor of Radiology, effective 7/1/77.

**Dr. Stuart Sagel** to Professor of Radiology, effective 7/1/77.

**Dr. James E. Marks** to Associate Professor of Radiology, effective 7/1/77.

## OFF STAFF

**Dr. James Blakely**, after completing a four-year residency at MIR, moved to Dallas, Texas, with his new bride where he has joined a group of five radiologists. He will be doing general diagnostic radiology at the Presbyterian Hospital in Dallas.

**Dr. W. Bob Davis** will be doing general diagnostic radiology in private practice with the Dewese Radiological Group, Inc. in Kansas City, Missouri, following a three-year residency at MIR and then one year as a fellow for additional experience in diagnostic radiology.



# 's Office Reports:

Dr. Mark Edelstein began a residency in internal medicine at the Duke University Medical Center in Durham, North Carolina on June 24, 1977. Dr. Edelstein has been affiliated with MIR in various research capacities dating back to his high school days.

Dr. Thomas Fuller (chief resident 1975-76) joined the radiology staff at Georgia Baptist Hospital in Atlanta, Georgia. He will be doing predominately neuroradiology and computed tomography, but also general radiology and general angiography.

Dr. Premllal Gukhool is practicing radiology at the Liberty Hospital in Liberty, Missouri, after completing a fourth year fellowship in diagnostic radiology at MIR.

Dr. Eduard V. Kotlyarov has accepted a position as associate professor of radiology (nuclear medicine) at Nebraska University Medical Center in Omaha, following a year of training as a third year resident in the Institute's Division of Nuclear Medicine on August 31, 1977.

Dr. Lance Lembeck completed a residency in radiology at the Institute and is now a member of the staff at the Sansum Medical Clinic, Santa Barbara, California, where he is doing ultrasound and abdominal computed tomography.

Dr. H. Lynn Magill returned to Lackland Air Force Base in San Antonio to complete his tour of duty with the Air Force. Dr. Magill spent a one-year sponsored military fellowship at the Mallinckrodt Institute in pediatric radiology during the academic year 1976-77.

Dr. Matthew Powers has joined the radiology staff at the Wichita Falls Clinic in Wichita Falls, Texas, after completing a three-year diagnostic radiology residency at the Institute on June 30, 1977.

Dr. Carlos V. Rozenbom has joined the Radiation Oncology staff at Aultman Hospital, Canton, Ohio. He was an Instructor in Radiology in the Division of Radiation Oncology at MIR from June 1975-April 1977.

Dr. Frederick Zivnuska has joined the staff of the Radiation Therapy Department at St. Mary's Hospital in Evansville, Indiana.

## CHANGE OF STATUS

Dr. Guillermo Geisse and Dr. Lily A. Hanes have been appointed as assistant professors of clinical radiology to the staff of MIR. Beginning on July 1, 1977, Dr. Geisse became full-time on the radiology staff at Deaconess Hospital, and Dr. Hanes is in private practice radiation therapy at St. John's Mercy Hospital Center (both in St. Louis).



Hywell Madoc-Jones, M.D., Ph.D. Dr. Bruce L. McClennan

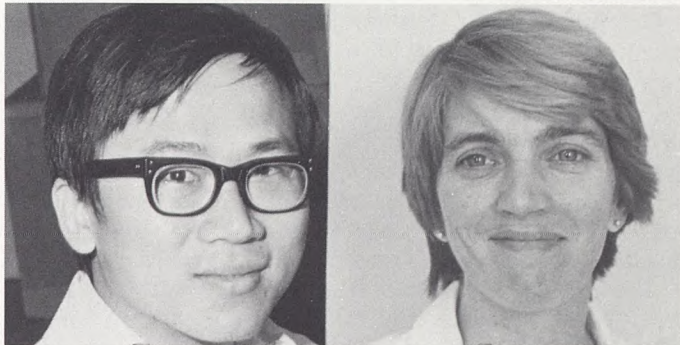


Dr. Thomas P. Naidich Dr. Timothy Tewson

## RANDOM GLIMPSES OF NEW PERSONNEL



Dr. Rochelle M. Pudlowski Nancy Jo Caston



Dr. Ben Dien-ming Chen Dr. Dixie Jane Aronberg

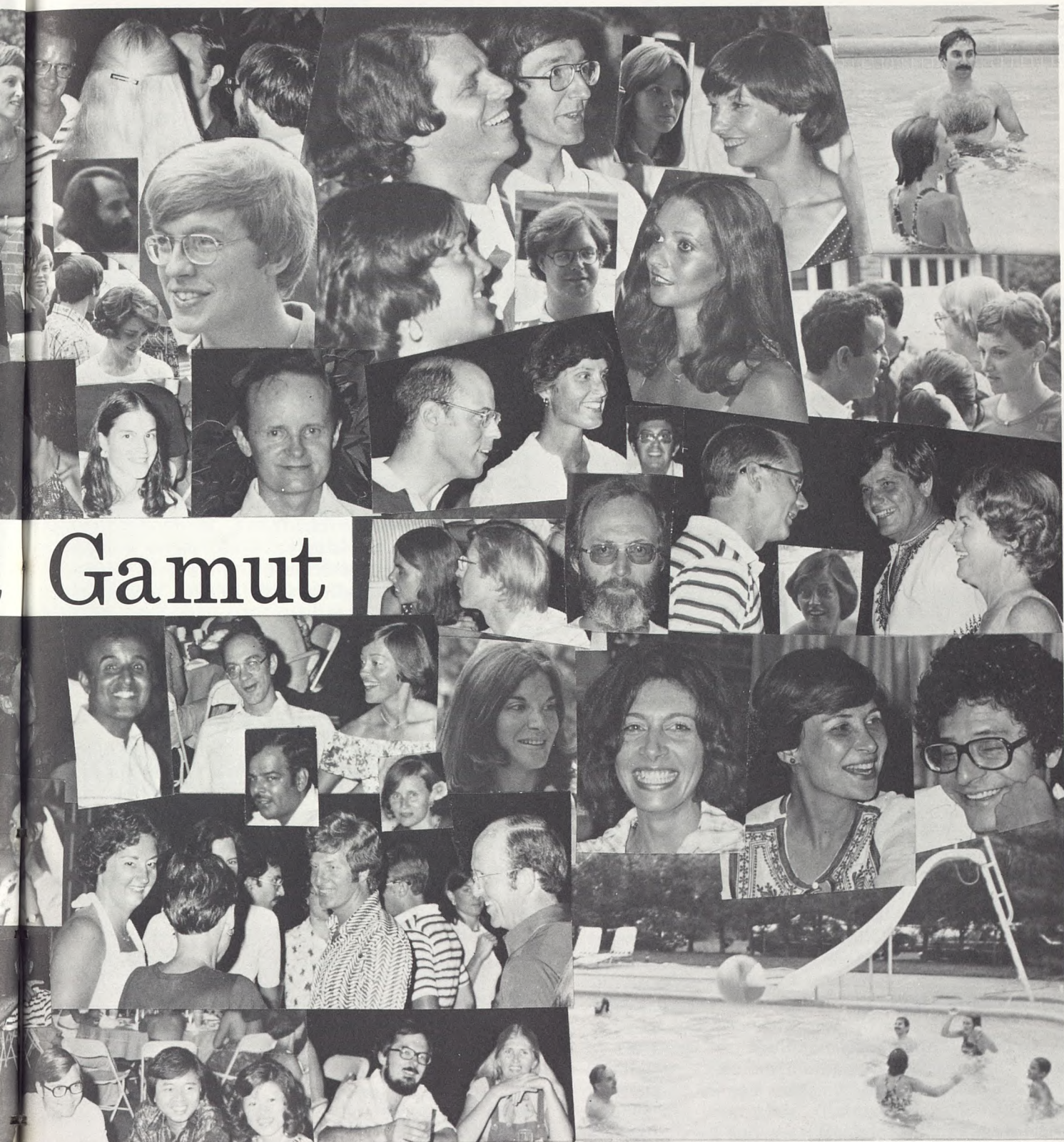


*A Lovely Evening in Late Summer*



MIR





# Gamut

DR. AND MRS. RONALD EVENS HOST PATIO AND POOL PARTY HONORING NEW MIR STAFF



*"Our tradition of research and training is illustrated by our many alumni of radiologists and technologists and by the numerous publications in journals and books. . . ."*

## *Mallinckrodt Institute*

### *Chief Residents*

### *(Past and Present)*

### *to be Honored*

The Washington University Alumni Association has sponsored a reception for MIR alumni, present staff members and their spouses at the RSNA meeting since 1971 when the event was initiated to honor Dr. Ronald G. Evens, who became Director of the Institute that year.

To be held at the Palmer House in Chicago, on Monday evening, November 28, this year's reception will honor all past Chief Residents of the Institute whose names Dr. Evens has obtained through 1950-51.

**"Are there any Chief Residents before 1950-51?"**

Please inform the Director's office if so, as special invitations are being mailed to the following Chief Residents and any others who contact Dr. Evens.

CHIEF RESIDENTS	YEAR
Dr. Philip Weyman (chief)	1977-78
Dr. Christopher Moran (co-chief)	1977-78
Dr. Daniel Biello (chief)	1976-77
Dr. Marilyn Siegel (co-chief)	1976-77
Dr. Thomas R. Fuller (chief)	1975-76

Dr. Gene Davis (co-chief)	1975-76
Dr. Robert Scheible (chief)	1974-75
Dr. R. Gilbert Jost (co-chief)	1974-75
Dr. Larry S. Anderson (chief)	1973-74
Dr. Robert Bramson (co-chief)	1973-74
Dr. Marshall Colburn (chief)	1972-73
Dr. Robert S. Francis (co-chief)	1972-73
Dr. Gary D. Shackelford (chief)	1971-72
Dr. G. Leland Melson (co-chief)	1971-72
Dr. Richard Meidinger (chief)	1970-71
Dr. Patrick D. Lester (assistant chief)	1970-71
Dr. Ronald G. Evens (chief)	1969-70
Dr. George F. Roggensack (assistant chief)	1969-70
Dr. John W. Fenlon (chief)	1968-69
Dr. Charles H. Williams (chief)	1967-68
Dr. Richard T. Trackler (chief)	1966-67
Dr. Michael W. Brown (chief)	1965-66
Dr. Howard Hudson (chief)	1964-65
Dr. Lily Ann Palmer (chief)	1963-64
Dr. William B. Hutchinson (chief)	1962-63
Dr. John C. Stears (chief)	1961-62
Dr. George J. Stead (chief)	1960-61
Dr. David B. Lewis (chief)	1959-60
No chief resident	1958-59
Dr. Charles M. Geyer (chief)	1957-58
Dr. Richard I. Benz (chief)	1956-57
Dr. William R. Letsch (chief)	1955-56
Dr. Robert MacNaughton (chief)	1954-55
Dr. Martin Smith (chief)	1953-54
Dr. Wade Shuford (chief)	1952-53
Dr. Robert S. Lackey (chief)	1951-52
Dr. A. J. Stacy (chief)	1950-51

### *Alumni Activities*

**E. James Andrews, Jr., M.D.** ('71), has joined a multispecialty group, The Medical Center Clinic and West Florida Hospital in Pensacola, Florida, as the sixth radiologist in the general partnership of 80 physicians.

**Dr. J. Bruce Hauser** entered private practice with an eleven-member radiology group in Roanoke, Virginia, on January 1, 1977.

**Dr. Robert T. Bramson**, (co-chief resident '73-74), who is a member of the radiology staff of the Tampa General Hospital, was recently recognized for his weekly pediatric radiology conference. Referring to the contribution of non-pediatricians to the teaching function of the University of Tampa, South Florida, the administration as well as students called Dr. Bramson's conference "the best teaching conference in pediatrics."



## The Director's "Get Acquainted" Luncheon



Back row, left to right, Drs. Melson, AufderHeide, T. Miller, Hardy, Santoro, Armbruster, Howard Glazer, Holloman.  
Front row, Drs. Harvey Glazer, Monsees, Bishop, Evens, Karstedt, Spies, and Rao.

## Techno Info

by Gary Brink, R.T.

Armand Diaz, R.T., FASRT, has been appointed Chairman of the Fellow Committee of the American Society of Radiologic Technologists.

The School of Xray Technology has recently undergone certain modifications in its organizational structure. Five technologists, **Sharon Albertina, Mike Ward, Cheryl Lamke, Jerome Campbell, and Lanore Murphy** have been appointed as Clinical Instructors for each of the diagnostic sections in the Institute. They will be responsible for supervising and directing the training and education of the student technologists during their monthly clinical rotations. To coordinate this educational effort, another position, that of Clinical Coordinator, also has been created. **Margaret Panella, B.A.**, who received her teaching degree from the University of Colorado, has been appointed to this position.

Technologists **Phil Sotir, Joe Stojeba, Jerome Campbell, Mike Albertina, and Janet Morgan** were sponsored by the Institute to attend the Annual Meeting of the American Society of Radiologic Technologists in Washington, D.C. During the coming year, they will present to the MIR technologists a series of lectures on Quality Control based upon the continuing education symposia they attended.

**Janet Morgan, R.T.**, has been appointed assistant technical supervisor of 4th floor.

**Norm Hente** has been elected treasurer of the Video-Communications Association of Greater St. Louis.

**Phil Sotir, R.T.**, technical supervisor of 5th Xray, has been elected a member-at-large of the 4th District M.S.R.T. Board of Directors.

### FRED DOMKE NAMED ADMINISTRATIVE ASSISTANT

Fred Domke has been named Administrative Assistant in Charge of Records at Mallinckrodt. Until this new appointment, Domke served as systems analyst in the diagnostic computer section where he designed and implemented a special procedures scheduling system, a long term patient file, a computer to computer communications system, and a data management system. In the new position Fred will mesh his systems analyst skill with the administrative needs of the department.



In addition to his career in computing systems, Fred was Surgery Unit Manager at the University of Missouri Medical Center from 1971-73, where he implemented a new program which relieved physicians and nurses on a 125 bed surgical unit of administrative burdens. He supervised clerical employees for continuous coverage on two wards and two Intensive Care Units and coordinated activities with all ancillary services.

He came to Mallinckrodt as a member of the Radiation Oncology computer staff, helping to develop their clinical information system and, in 1974, joined the Biomedical Computer Laboratory where he redesigned and extensively developed the Medical Care Group automated information system.



*"The radiographs we handle are important stepping stones  
in a patient's recovery."*

# Technology

## Congratulations, Graduates

### Seventeen Graduate From MIR School of Radiologic Technology



Back row, left to right, C. Logemann, N. Eueker, R. Koch, T. Barnett, D. Nuelle, S. Menendez, C. Arand, C. Fischer. Front row, S. Fisher, K. Schlemer, C. Richards, M. Greteman, K. Fotenos, D. Carey. Not pictured are K. Wisniewski, C. Eichkorn, and G. Hagan.

## Nuclear Medicine Post Graduates



Left to right, Kathy Soria, R.T.N.M., Paul Hanson, R.T.N.M., Cheryle Storr, R.T.N.M., Vera Ford, R.T.N.M., Michael Blackford, R.T.N.M.

## Radiation Oncology Students Complete Training



Left to right, Russ Gerber, R.T.T., David Cloninger, R.T.T., Claudia Tatum, R.T.T., Debbie Zoeller, R.T.T., Sheryl Augustin, R.T.T., and John O'Donohue, R.T.T.



# g) Training

## Welcome New Students

### Thirty-Four Students Enrolled in MIR School of Radiologic Technology



1st row, left to right, Kenneth Cruse, Jo Stratemeyer, Teresa Suessen, Sujada Shanks, Maureen Hynes, Jill Gideon, Susan McMasters, Lesa Morris, Pamela Pick, Vicki Sloan.

2nd row, Cynthia Gillardi, Deborah Candice, Sharon Lyons, Donna Linze, Claudia Backsmann, Barbara Newland, Stacy Watz, Nancy Mazzuca, Phyllis Martin.

3rd row, Lynne Schwenke, Tanya Sutherland, Dean Brake, Karen Strong, Kerry Van Pelt, Robin Feldman, Donna Kirk, Cynthia Williams, Francine Haffner.

Back row, Danny McFall, Danial Zak, Richard Devlin, Terry Compton, Michael Chrismer, Donald Dampf.

### Enrolled in Nuclear Medicine Technology



Left to right, Wayne Guthrie, R.T., Mitchell, Indiana; Samuel So, R.T., Hong Kong; Daniel Kleypas, R.T.; Christine Lombardo, R.T.; St. Louis; Leon Williams, Jr., R.T., Fort Smith, Arkansas.

### New Radiation Oncology Technology Trainees



Front row, left to right, Rhonda Fahey, R.T., Susan Meinen, R.T., Pamela Todd, R.T. Back row, Carole Cripe, R.T., Roger Williams, R.T., Timothy Barnett, R.T., Patricia Moore, R.T. All are from the St. Louis area except Cripe, Vandalia, Illinois and Fahey, Caseyville, Illinois.



*"Other members of the Mallinckrodt Institute of Radiology are not directly involved with patient care yet contribute significantly in service to patients in billing and accounting. ..."*

## Getting Down to BUSINESS

The Mallinckrodt Institute of Radiology provides all diagnostic radiology services required by both the in-patients and out-patients of the Barnes and Allied Hospitals, the St. Louis Children's Hospital and patients referred from private physicians. Each of these services, approximately 230,000 diagnostic Xray and 12,000 Nuclear Medicine procedures a year, has a charge which is either billed to the in-patient's hospital account or to the out-patient's insurance company or personal account. This significant volume of clinical activity requires efficiency and coordination among the dedicated employees of the diagnostic billing, collection, and accounting department to make sure the bills are complete, accurate, mailed on time, and that charges for services are collected.



**William Brown**

Supervising the efforts of the fourteen personnel who handle over 150,000 out-patient billings yearly is **William Brown**, manager of patient accounts. These billings require 500,000 transactions which are entered into a computer system to yield 150,000 accounts.

"From these accounts receivable," said Robert Wagner, the Business Administrator, "come the revenues which pay for the equipment, supplies, and salary expenses required to operate the clinical services provided by the Institute."

To generate a billing, an Xray requisition is received for every patient examined in Radiology. This requisition, containing the patient's vital data, serves as the medical order from the hospital or private doctor's office, and recommends which radiological procedures are to be performed, and where the diagnostic results are to be reported. The technologist performing the Xray enters and encircles on

the requisition the codes of the exams the patient receives. The second copy of this requisition (the accounting copy) is then forwarded to the billing department and the complex billing process begins.

"Our first responsibility," said Brown, "is to be as disciplined in our approach to financial matters as any professional department in its care and treatment of the patient." He continually interacts with patients who are concerned with their accounts, third party payers such as Medicare and Blue Shield, and develops ways to meet the sophisticated requirements in utilizing accounting procedures.

Seven billing clerks efficiently carry out their daily assignments. To fulfill her basic responsibility as vacation replacement, **Dianne Allen** must have adequate knowledge of all positions in the accounting department which she capably handles throughout the year. **Beverly Harper** mails the out-patient billings, handles telephone calls concerning patient accounts, makes all corrections for in-patient billings for both Barnes and St. Louis Children's Hospitals and balances the daily computer controls against accounts receivable. **Debbie Rice**, accounting clerk, codes the diagnostic in-patient and Nuclear Medicine requisitions for computer input, specifying what hospital is to be billed and the status of a patient's account (private, ward, or free). She also audits the previous day's billing computer runs for corrections.



**Dianne Allen**



**Debbie Rice**



**Beverly Harper**



**Carolyn Potter**



**Carolyn Potter** handles all patient calls whose last name begins with the letters M to Z, prepares billings and claim forms for insurance agencies and handles Medicaid claims with Missouri and Illinois. **Evelyn Clark** audits the daily billing output of Barnes and Barnard Hospitals and Barnes physicians' patient accounts. She mails third party billings and files requisition copies for future reference. **Donna Schlemmer** is responsible for all intra University accounts such as the Medical Care Group and patient calls (A-L). **Gerry Chytly** is responsible for out-patient coding and entering these charges into the computer. **Pat Patton** prepares and follows up collection letters on past due accounts.

So that hospitals receive the correct charges for patient services, **Sharon Gibbs**, keypunch operator and data entry clerk, keypunches all daily corrections on patient accounts. She also enters the daily charge data for in-patients into the computer billing system via the Cathode Ray Tube terminal.

Supervising the personnel responsible for collecting past due patient accounts is **Bill Winter**, collection manager. In this area, **Irene Cermak** telephones patients, employers, labor organizations, and third party payers to facilitate collection of past due accounts.

Cashier, **Pat Mulligan**, posts amounts by mail on accounts receivable against each out-patient account



**Bill Winter**



**Irene Cermak**



**Pat Mulligan**

and checks the daily receipt voucher against the previous day's receipts. Pat posts all payments she receives directly from patients and distributes employee paychecks when they are not picked up from the Business Administrator's office.

Personal secretary to Mr. Brown and "Girl Friday" to the department is **Peggy Hinderer**. She also distributes mail, answers patient correspondence and types requests for patient refunds.

**Debbie Trent**, summer employee for five years, has rapidly learned the rudiments of the billing department by helping with almost every position.



**Peggy Hinderer**



**Debbie Trent**

As a team, this department reaches out to our patients and their families in an attempt to meet their needs and understand their financial situations.

*(Next issue: Radiation Oncology Billing Dept.)*



**Evelyn Clark**

**Gerry Chytly**



**Donna Schlemmer**

**Pat Patton**



## Mallinckrodt-Barnard Hospital Cancer Information Center

The Cancer Information Center, sponsored by the Division of Radiation Oncology, Mallinckrodt Institute of Radiology, opened July 18, 1977. Located on the first floor of Barnard Free Skin and Cancer Hospital adjacent to the south stairwell, the Center will be open Monday through Friday from 9:00 A.M. to 4:30 P.M. The space for the Center has been provided by the Barnard Board of Trustees.

The purpose of the Cancer Information Center is to make available the latest information from both intramural and national sources on diagnosis, treatment, and prevention of malignant disease and to provide cancer patients and their families with sources of aid for any problems they may encounter.

The Center will serve the needs of both the general public and medical professionals. Pamphlets and videotapes will be available to the public. A librarian-attendant will direct people to the appropriate information and refer them to outside sources if they seek specialized materials or counseling in social, psychological, economic, or vocational areas or with other concerns. Referrals will be given by phone (454-3640) as well as in person. The professional section of the Center includes a small library of books, periodicals, videotapes, pamphlets, and biblio-

graphical listings.

The Center, now in its formative stages, will accumulate more materials and offer more services as it grows. Any contributions of textbooks or journals from physicians will be tax deductible items and will be appreciated. Displays are featured from the American Cancer Society and instruction offered on breast self-examination using a partial mannequin furnished by the ACS. Plans are underway to establish a chapter of "Make Today Count," a lecture-discussion series for patients suffering with terminal disease.

Mrs. Fred Hermann and Ms. Clara Clark, Barnes Hospital volunteers, in collaboration with Mary Jo Tillman, Communications Associate for the Division, have supplied the initial impetus for the Center's ultimate goal of providing answers to every kind of cancer-related question. They have worked closely with the Division of Radiation Oncology under the direction of Dr. Carlos Perez.

Barnes Hospital volunteers will staff the Center during the morning hours and Radiation Oncology personnel in the afternoon. Still more volunteers are needed and persons interested in assisting with this project may call the Barnes Hospital Volunteer office (454-3446).

### *Summer Fellowship Program in Radiation Oncology*



Front, left to right, Dr. Fransiska Lee, Coordinator, Ralph Parkin, Steven Adler, Thomas Geller, and Steven Littman-Perlmutter. Back, Howard Levite, Michael McGowen, Charles Eaton, Robert Saltman, and Ralph Moller.

### *Caring.*

involves a great deal more than treating a patient.



Lisa Hammer, Barnes Hospital junior volunteer in radiology, acts as a good friend to Ruth Moller, who is blind, as she reads aloud a pamphlet describing an Xray procedure the patient is to have the following day.

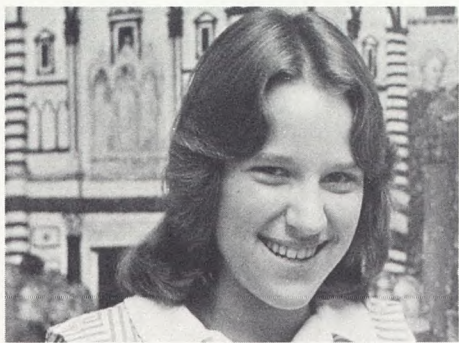


## CT Experts Visit Spain

Dr. Stuart Sagel and Dr. Mokhtar Gado of Mallinckrodt Institute were members of the faculty of the International Symposium of Computerized Tomography with Total Body Scanners June 6-8 in Madrid, Spain. Organized to initiate Spanish physicians to CT with the cooperation of the Spanish Society of Radiology, the symposium was held in the new cultural center Villa de Madrid. Dr. Enrique Cubillo coordinated the distinguished guest faculty which included, in addition to the Mallinckrodt radiologists, members of the Mayo Clinic and several British radiology pioneers in Computerized Tomography. Official welcome receptions by the Dean of the Medical School in Madrid, the Secretary of the Spanish Society of Radiology, the Secretary of Public Health, the Mayor of Madrid, coupled with a flamenco evening, a bullfighting fiesta in Toledo and a visit to the Prado Museum provided a busy social schedule. All the visitors agreed that the events were done in an enjoyable atmosphere of welcome and friendship.



Drs. Cubillo and Sagel enlighten their wives and the Spanish countryside about the wonders of CT.



Suzanne Bentz, junior volunteer, offers a smiling, courteous "helping hand" to patients in the 2nd Xray waiting areas.

## FOCUS ON NEW FACES



Maria Putnam, R.T., from West Plains, Missouri, has joined the 2nd floor technology staff, after completing two years of training at St. John's Hospital School of Radiologic Technology in Springfield, Missouri. A few of Maria's exciting hobbies include flying, scuba diving, sailing, water and snow skiing, and for a change of pace, she enjoys reading and dancing.

Patricia Maier, R.N., a new member of the MIR nursing staff, received an associate degree in applied science from Florissant Valley Community College. Her wide range of special interests include ballet, painting, plants, camping, and water skiing. Patty's husband, Randy, a musician, plays the piano and organ, and is manager of Taylor's Music House.



### "Part-time Employees Are Important, Too"



Susan Wallach, a sophomore at Loras College in Dubuque, Iowa, worked as a summer lab assistant in Nuclear Medicine.



Margaret Wallace, a senior student at Mary Institute in St. Louis, assisted in the computer area of Radiation Sciences.



## A Good Catch!



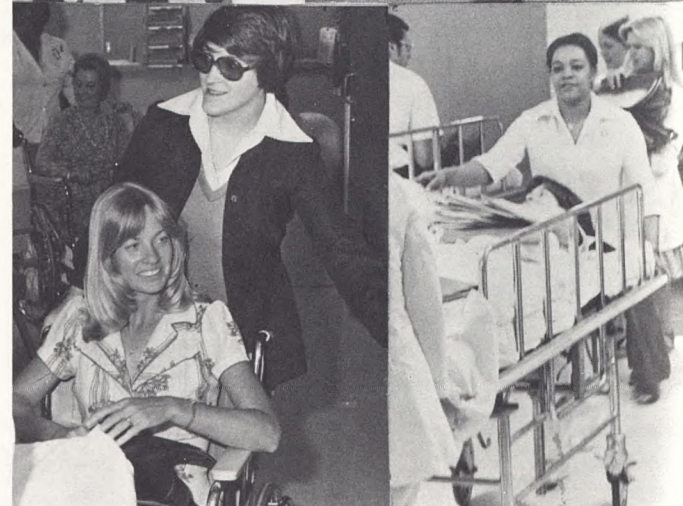
Congratulations to Dr. Ronald Evens for his prize-winning catch during his family vacation, a 38-pound salmon, cited by the San Francisco newspapers as the year's second largest.

## Occupational Safety Review

Radiation Oncology personnel took part in fire safety in-service meetings on June 24 and July 1, led by Peter Parrino and Dr. Glenn Glasgow of the Division, in conjunction with St. Louis Fire Department Inspectors Charles Gay and Harvey Weber.



Preceding a fire drill in the patient area on the ground floor, employees viewed a film on how to handle fire emergencies in a patient care facility and had the opportunity to discharge different types of fire extinguishers.





## Library Memorial Fund

### DONOR

Dr. and Mrs. William  
McAlister

Dr. and Mrs. Ronald Evens

Dr. and Mrs. John Forrest

MIR Staff Members

### DONOR

Dr. Ronald G. Evens

Anonymous

### IN MEMORY OF

Mrs. Sarah Pappas  
Mr. William H. Dodge  
Dr. Edmund A. Smolik  
Frances Potter Willman

Mr. William H. Dodge  
Claude Lupkey  
Thomas D. Rodman

Claude Lupkey  
John Forrest

Mrs. Loretta E. Spires

### IN HONOR OF

Donation to the Affton  
Presbyterian Church

Donation for MIR  
Residents' Library

## In Memoriam

The Institute extends sympathy to Gene Hood, supervisor for the film library warehouse, on the loss of his son, Charles Robin Hood, 19 years old, who died August 1 of injuries sustained in a motorcycle accident.

## City-Wide Radiology Conference

St. Louis, Missouri

Scarpellino Auditorium, Mallinckrodt Institute of Radiology, 5:30 P.M.

1977-1978

DATE	TOPIC	LECTURER	CLINICAL PRESENTATIONS
9/12/77	Wendell G. Scott Lecture The National Cancer Program: A Social Experiment in Biology and Medicine	Dr. Frank Rauscher Executive Vice President for Research American Cancer Society	No Second Session
10/10/77	Diagnostic Approach to the Gallbladder	Dr. Robert Berk Professor and Chairman University of California, San Diego	Proved Cases Mallinckrodt Institute Abdominal Section
11/14/77	Pseudomalignancies of the Skeleton	Dr. Jack Edeiken Professor and Chairman Jefferson Medical College	St. Louis University Department of Radiology
12/12/77	New Techniques in Ultrasound	Dr. Fred Sample Associate Professor of Radiology University of California, Los Angeles	Proved Cases Mallinckrodt Institute Dr. G. Leland Melson

## Adios, Helen Fotenos



Twenty-six years ago a promising young student, Helen Fotenos, enrolled in the radiologic technology training program at Mallinckrodt. Now, after a varied and challenging career, she has left the Institute and joined the dosimetry staff of St. John's Mercy Hospital.

In 1953 Helen successfully completed her training, became a registered radiologic technologist, and continued on the staff for ten years. Helen was a supervisor on 4th floor when she decided to change from diagnostic to radiation therapy technology. When the Division of Radiation Oncology needed someone to do treatment planning, Helen decided to try another challenging field — dosimetry. As a dosimetrist, Helen is responsible for planning the distribution of dosage during a patient's radiation therapy treatment.

The Division of Radiation Oncology hosted a farewell party for Helen.



# CALENDAR OF EVENTS

**September 27-30, 1977**

AMERICAN ROENTGEN RAY SOCIETY  
Boston, Massachusetts

**October 6-8, 1977**

45th ANNUAL MEETING OF MISSOURI SOCIETY OF  
RADIOLOGIC TECHNOLOGISTS  
Hilton Plaza, Kansas City, Missouri

**October 10, 1977**

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

**October 20, 1977**

4th DISTRICT M.S.R.T. MEETING

**October 23-29, 1977**

XIV INTERNATIONAL CONGRESS OF RADIOLOGY  
Rio de Janeiro, Brazil

**November 14, 1977**

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

**November 17, 1977**

4th DISTRICT M.S.R.T. MEETING

**November 27 - Dec. 2, 1977**

RADIOLOGY SOCIETY OF NORTH AMERICA  
Chicago, Illinois

**December 12, 1977**

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

## FOCAL SPOT

Published quarterly by the Public Relations Department for staff, students, and friends of Mallinckrodt Institute of Radiology, 510 South Kingshighway, St. Louis, Mo. 63110



Virginia R. Trent  
Editor & Writer



Deen Getz  
Graphic Art



Norm Hente  
Photographer



Tom Murry  
Photographer

**Return Address**  
Public Relations Department  
Mallinckrodt Institute of Radiology  
510 South Kingshighway  
St. Louis, Missouri 63110

Non-Profit Organization  
U.S. Postage  
**PAID**  
St. Louis, Missouri  
Permit No. 1032

**Address Correction  
Requested**