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### Focal Spot, Fall 1972

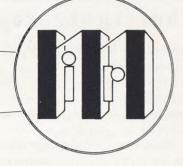
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# FOCAL SPOT



A NEWSLETTER OF MALLINCKRODT INSTITUTE OF RADIOLOGY

VOLUME 1

FALL, 1972

NUMBER 4

# The Institute And Cholecystography

THIRD INSTALLMENT of a brief history of the Washington University Department of Radiology by Dr. Ronald G. Evens, Director of Mallinckrodt Institute of Radiology.

Relating the history of cholecystography (x-rays of the gallbladder) requires larger geographic boundaries than the Institute. This important step in medicine was a cooperative venture of the Department of Surgery and the Department of Radiology at Washington University and Barnes Hospital, and scientists at the Mallinckrodt Chemical Works in St. Louis.

Prior to 1923, the diagnosis of diseases of the gallbladder was difficult, often with little success, and the clinical and radiographic findings were indirect and inexact. The concept of cholecystography was developed by Evarts Graham, Professor of Surgery, and the project included the active participation of Doctors Warren Cole and Glover Copher of the Department of Surgery, and Dr. Sherwood Moore of the Department of Radiology, later to be named the first Director of the Mallinckrodt Institute.



Left to right: Drs. Glover Copher, Evarts Graham, Warren Cole and Sherwood Moore.

Scientific investigations in other laboratories had demonstrated that the normal gallbladder was able to concentrate bile and certain compounds were excreted almost entirely in the bile. The development of cholecystography required the discovery of a suitable compound which would concentrate in the bile, be visible by radiography, and be non-toxic to human beings. In 1922, the Mallinckrodt Chemical Works was contacted and agreed to supply several chemical compounds to aid in the efforts in visualizing the gallbladder. The Mallinckrodt Company assigned a chemist, Dr. N. Drake, to work exclusively with the scientists at the Medical School in the manufacture and procurement of these compounds. During the next several months, more than 89 compounds were developed and injected into dogs or rabbits by Dr. Cole in the surgical laboratories, and the animals were transported across the street into the Barnes Hospital X-Ray Department for radiographs. After injecting over 200 animals without success, a gallbladder radiograph was finally obtained in one of the dogs in the month of November, 1923. This radiograph was first seen by Miss O'Brien, the chief technician in the hospital x-ray room (the Department was only one room at that time).

The first visualization of the gallbladder in the dog was obtained with calcium tetrabromphenolphthalein, however attempts to repeat the experiment on several dogs during the next few days ended in failure. It was only after a discussion between Dr. Cole and Bill, the animal caretaker, that it was

### Cholecystography

realized it was necessary for the animal to be fasting for several hours prior to the injection in order for the gallbladder to visualize. With this knowledge, the experiment was successfully repeated and further experimentation allowed cholecystography to be

utilized in patients.

The first successful visualization of a gallbladder in a patient was performed on February 21, 1924 and by coincidence, this patient was a nurse at Barnes Hospital. The studies were not complete and this dedicated group of scientists and chemists continued in their work for several years before cholecystography was clinically established and the compounds could be given intravenously and orally in a safe manner. This successful series of experiments are significant for many reasons: First and foremost, cholecystography is an important diagnostic test allowing the diagnosis of many diseases of the gallbladder; second, it is a success story demonstrating the importance of cooperation between physicians and scientists in several specialty areas; and finally, it certainly was an important milestone towards the establishment of the Mallinckrodt Institute of Radiology. The historical features of cholecystography were reviewed by Warren H. Cole, M. D. in Radiology 76: 354, 1961, and there is an interesting exhibit on this subject in the lobby of the Mallinckrodt Institute.

Dr. Ronald G. Evens, Director of MIR



Visualization of Gallbladder

### CHANGE OF NAME FOR DIVISION OF RADIATION THERAPY

The Division of Radiation Therapy is now to be entitled the Division of Radiation Oncology. This new title will indicate that "other than simple administration of radiation therapy is implied in our charge and our activities," stated Dr. Wm. E. Powers, Director of the Division.

The Division of Radiation Oncology will be subdivided into the sections of Clinical Radiation Therapy, Cancer Biology, and Radiation Therapy Physics.

### RADIATION ONCOLOGY RECEIVES \$5 MILLION GRANT

by

S. Eskridge

The Division of Radiation Oncology has received a \$5.2 million grant from the Public Health Service of the National Cancer Institute, Bethesda, Maryland for a second time. This Clinical Cancer Radiation Therapy Research Center Grant will extend for 5 years under the supervision of Dr. William E. Powers, the Principal Investigator. The division's previous grant ran from 1967-1972.

Major areas of research to be undertaken are concepts of tumor immunology, mechanisms of cell differentiation in both normal and abnormal tissue, and the action and effects of radiation therapy, chemotherapy and their combination on normal and malignant tissues.

The present Cancer Research Center Project represents "an integration of the activites of the clinical oncologists and the cancer biologists" whose combined objective is "improved control and cure of cancer." The cooperation and support of numerous individuals within the departments of Pediatrics, Surgery, Ob-Gyn, and Pathology are also directed towards attaining this goal.

The Research Center itself represents a programmed effort to "implement the pre-clinical and clinical results into effective cancer care and cancer teaching."

## Magazines, Please"

In order to make the patient waiting rooms more enjoyable and comfortable for our many patients and their families, we would appreciate donations of any recent magazines.

Magazines may be left in the Public

Relations Office on the second floor.

#### SUMMER CLERKSHIP IN RADIATION THERAPY AND CANCER BIOLOGY

With partial support from the American Cancer Society, the Clinical Cancer Radiation Therapy Research Center, the Clinical Cancer Training Program and a summer fellowship research grant from the National Institute of Health, the Division of Radiation Therapy has successfully concluded another session in which eleven medical students and one dental student participated in the summer of 1972. The program involves formal lectures and practical demonstrations on the introduction to physical diagnosis, a series of seminars on oncology and daily sessions involving the patients under treatment in the Division of Radiation Therapy and a number of research projects carried out under the supervision of the Cancer Biology staff.



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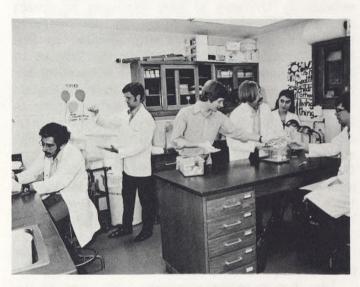
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Dr. Carlos Perez, Professor of Radiology, lectures freshmen medical students in summer clerkship program.



Students participate in Cancer Biology laboratory research project.

#### RADIATION THERAPY TECHNOLOGY POST GRADUATES



Pictured left to right are the August '72 post graduates in Radiation Therapy Technology: Alexis (Cissy) King, Janice Blanton, Cheryl Copas, Sandra Abramson, Sheryl Diffley, and James E. Harter.

Mrs. Sheryl Diffley will continue to serve as Supervisor of the Nursing Service and will perform as a part-time radiation therapy technologist. Miss Cheryl Copas and Mr. James Harter will join the staff of the Division of Radiation Therapy. Miss Sandra Abramson has accepted a position as a radiation therapy technologist at St. Elizabeth's Hospital, Granite City, Illinois. Miss Janice Blanton is seeking a position in the state of Florida.

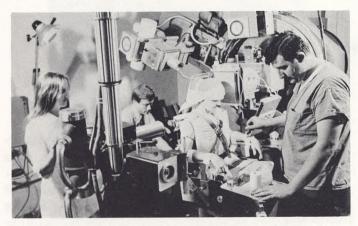
# **NEURORADIOLOGY AT MIR**

Neuroradiology is an exclusively diagnostic subspecialty that encompasses a variety of complicated techniques all of which are performed on the third floor of Mallinckrodt Institute of Radiology. A considerable number of patients undergoing these "special procedures" are in sub-optimal condition and need careful monitoring, prompt action, and highly skilled and coordinated efforts of radiologists, technologists, and nurses.

Under the direction of Dr. Mokhtar Gado, the Neuroradiology Division of MIR continues to attract outstanding young radiologists to the intensive training program. Dr. Gado was awarded an NIH Neuroradiology Training Grant in the amount of \$30,153 beginning July 1, 1972, in support of his three-year program for training neuroradiologists who have previously completed their training in General Radiology. At the present time the program enlists three radiologists: Dr. Ben Mayes, Dr. Marshall Colburn, and Dr. Charles Raybaud. Assisting Dr. Gado is Dr. Carol Archer, an Instructor in neuroradiology. Besides the full-time neuroradiologists there are also residents who are rotating on the service as part of the Mallinckrodt Institute General Training Program.

The third floor is a busy complex of special procedure suites.

The Pneumoencephalography Unit, one of the finest such units, is equipped with a Pott's somer-saulting chair, fluoroscopy, video-tape recording, and Laminography.



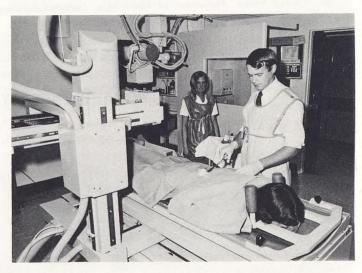
Dr. Ben Mayes, Special Fellow in Neuroradiology, starts a pneumoencephalographic procedure; Mrs. Barbara Pearson, R.T. and Michael Anselmo, R.T., assisting. Albert Coffman, R.T. acts as patient.

The Angiography suite is equipped for biplane, serialography, angiotomography, and fluoroscopy for catherization and embolization techniques. Cerebral blood flow studies are carried out in collaboration with the section of radiation physics.



Dr. M. Gado, Chief of Neuroradiology Section, in the cerebral angiography suite assisted by Mrs. Carol Evans, R.N., and Leon Fridley, R.T., Supervisor. In left background is shown the probe system for cerebral blood studies.

A complete new Myelography suite has been installed with all the up-to-date accessories.



Dr. Marshall Colburn, Chief Resident, begins a myleography procedure assisted by Miss Gloria Detrick, R.T. Steve Grigg acts as patient.

The Polytome Unit for hypocycloidal laminography is a superb adjunct to plain radiography of the skull.

The highly sophisticated radiographic equipment is operated by ten special technologists under the direction of Leon Fridley, R.T., Technical Supervisor. The Nursing Staff, supervised by Mrs. Carol Evans, R.N., provides a completely independent autoclave and tray service for sterile procedures. In the Blood-Flow Lab, Gail Batek, L. T., performs on-the-spot blood gas analysis.



Polytomography needs utmost exactness in positioning the patient. Dr. Charles Raybaud, Senior Fellow in Neuroradiology, observes Mrs. Louise Elliasson, R.T. and Miss Diana McCullough, R.T. (left). Frank Reed, Cardiovascular L.T., acts as patient.

More than 2500 neuroradiological procedures are performed each year by the third floor personnel of twenty-five people, whose excellent teamwork provides the necessary atmosphere for coping with the workload and appropriate service to patients with neurological diseases.

## LECTURE SERIES FOR RADIOLOGY TECHNOLOGISTS

The Section of Cancer Biology will present a lecture series for Radiology Technologists in Radiation Biology and Oncology to begin Monday, September 18th at 8:00 a.m. with the lectures being of 1 hour duration.

DATE	LECTURE
September 18	- Basic Molecular Biology (Valeriote)
September 25	- Basic Cell Biology (Stewart)
October 2	- Definition of Terms (Steward)
October 9	- Radiation Biochemistry (Nakeff)
October 16	- Target Theory and Survival Curves (Steward)
October 23	- DNA as the Target and Chromosomal Effects (Valeriote)
October 30	- Radiosensitivity in Cell Cycle (Lin)
November 6	- Recovery and Repair (Nakeff)
November 13	- Tumor Biology (Stewart)
November 20	- Oxygenation and Fractionation (Lin)
November 27	- Whole Body Effects (Valeriote)
December 4	- Effects on Cell Renewal Systems (Stewart)
December 11	<ul> <li>Radiation Effects on the Vasculature (Nakeff)</li> </ul>
December 18	- Organ Effects I (Perez)
January 8	- Organ Effects II (Perez)
January 15	- Radiotherapy, Curability and Patient Tolerance (Powers)
January 22	- Biological Effects of High LET Radiation (Steward)
January 29	- Low Level Effects (Valeriote)
February 5	- Chemical and Viral Carcinogenesis (Lin)
February 12	- Neoplasia on Immune System (Stewart)
February 19	- Cancer Chemotherapy (Lin)
February 25	- Combination Therapy (Valeriote)

### FAREWELL PARTY FOR RESIDENTS

On the evening of June 24, Olin Hall Penthouse was the scene of a gala gathering of MIR staff members and residents and their spouses to celebrate the completion of residency training of Drs. Johnson, Kunz, Logie, Mayes, Melson, Omell, Poncel, Shackelford, Smith, Spence, and Walz. A cocktail buffet, music, dancing, and good fellowship prevailed during the evening. Dr. Robert Francis (Co-Chief Resident, 72-73) presided. Dr. Ronald Evens addressed the group and presented each resident with a walnut and brass desk accessory, personalized with the individual's name engraved beneath a picture of MIR.



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### SEVENTEEN GRADUATES FROM SCHOOL OF RADIOLOGIC TECHNOLOGY



First row, left to right: Gwen Watkins, Lillian Buchanan, Sherry Feldman, Jennifer Kagan, Katherine Robbins, Armand Diaz, Technical Administrator, Gary Brink, Chief Technologist, Susan Janes, Judy Cortner, and Richard Bickel. Second row, left to right: Elizabeth Oldham, Elaine Beckman, Joyce Rokosky, Keith Griffin, Gregory Kramer, Theresa Stone, Brenda Oetjen, Beverly Hupe, and Mike Albertina.

Seventeen graduates of the MIR School of Radiologic Technology received their diplomas in ceremonies held in Scarpellino Auditorium on August 23.

Mr. Armand Diaz, Technical Administrator, Director of Education for MIR, acted as Master of Ceremonies. He told the graduates, "You have learned a great profession during your two years of training. Your sound future in the health team is established and you have the comparative advantage of having been trained in an Institute which maintains the highest standards in patient care and technical skill."

Diplomas were presented to the seventeen graduates by Dr. Ronald Evens, Director of MIR. In congratulating the young people, he noted this was their first step in a long career requiring discipline, perseverance, and the willingness to put needs of



Shown in the diploma presentation ceremony are, left to right: Dr. Evens, Gary Brink, Armand Diaz, and student, Keith Griffin.



Judy Cortner receives Mallinckrodt Award from Gary Brink.

others ahead of their own wishes — all requirements of professionalism. Dr. Evens then stated that the greatest advance in radiographic technology has been in the role of professionalism. He reminded the students that even though they were leaving this institution, their relationship would not end as there would be continued interest in each one and his career.

Gary Brink, R.T., Chief Technologist, presented the Mallinckrodt Award, a silver tray, to Judy Cortner, selected the outstanding student in the August '72 class. This award is based on academic achievement, scientific contribution, leadership ability, and loyalty to MIR.

Refreshments were served at the conclusion of the ceremonies.

### WATERMELON AND DEVIL'S FOOD CAKE

It was Friday, August 18th, Duane Keathley's last day of working with mice in Dr. Valeriote's Lab. The following Saturday Duane (who is the son of Sharon Baudo) would be leaving for Columbia, Mo. to enter Pre-Med School at Missouri University.

Having worked in the Cancer Biology Lab and Queeny Tower Film Library since he was 16, Duane (now 18) has made many friends at MIR — some of whom decided to surprise him with a farewell party featuring his two favorite foods: watermelon and devil's food cake.

Rozanne Westholt, Scheduling Supervisor, arranged the party in Barnes Cafeteria where the ten lucky guests "ate their way" through 25 pounds of watermelon and 3 layers of devil's food cake.

Participating in the fun event were Vada Schaller, Rita Calcaterra, Ivy McAlister, Jane Woods, Helen Snider, Vickie Hubble (Rozanne's daughter), Mary Jo Sandretto, Sharon and Rozanne. Duane was SURPRISED — the party, a SUCCESS!!

### MIR ALUMNI ATTEND MEETING IN LAS VEGAS



Advancing the horizons of radiology are alumni and wives, left to right: Drs. Myo Kyaw and Maeve, John Fenlon and Sharon, Pat Lester and Katherine and Ruben Koehler and Madeline.

Their report states the machine in the center of the photo is one of the newest developments and an absolute necessity for the performance of good radiology.

### FOR DUANE



IT'S A BOY!
IN FACT, IT'S TWO BOYS!



Drs. Mayes and Gado, the two newest fathers at MIR, discuss the role of fatherhood. Dr. and Mrs. Mokhtar Gado became the parents of a son, Ameer Sado, on July 30, 1972 and Dr. and Mrs. Ben R. Mayes, Jr.'s son, David Christopher, was born on July 5, 1972.

# DR.WENDELL G. SCOTT LECTURE-DINNER Sept.11,1972



Photos By Robert Duffy

# WELCOMES NEW RESIDENTS

DR. JOHN L. CIEPLY is one of eleven new residents who arrived at MIR on or about July 1. He describes himself as having a ''naturally passive personality'', but he adds that he has led a few small rebellions in the past, like the campaign to abolish the thesis requirement at Yale. He was the first medical intern to wear turtlenecks at the very traditional Presbyterian-St. Luke's Hospital in Chicago.

One wonders, however, why Dr. C. should ever prefer turtlenecks, as he has already received the honorary "tie of the week" award from his co-workers on more than one occasion. Dr. Cieply's extensive wardrobe of neckware reflects a more exuberant side of his personality. There is, of course, a serious side to Dr. Cieply's nature. A graduate of Providence College and Yale Medical School, his internship was fulfilled at Presbyterian-St. Luke's Hospital in Chicago. Apart from tie-collecting, John L. Cieply enjoys participation in sports and gourmet cooking. His wife, Suzette, is a nurse, specializing in coronary care and hemodialysis. She shares her husband's interest in cooking, and also enjoys sewing and arts and crafts activities. With their six year old daughter, Patrice, they live at 7112 Pershing Avenue in University City.

Dr. Cieply's sense of humor and his cheery ties are representative of the personal qualities each doctor unknowingly contributes to the spirit of the whole MIR staff.

DR. J. BRUCE HAUSER, born in Detroit, Michigan, received his Psychology A.B. from Duke University, and M.D. from Wayne State University, Detroit, Michigan. His Internship at Santa Clara County Hospital, San Jose, California was followed by General Surgery Residency at Grace Hospital, Detroit, Michigan. In 1970-72, he served in the U.S. Navy, Kodiak, Alaska Naval Station.

Dr. Hauser and his wife, Gwendolyn, who was born and trained in nursing in Ontario, Canada, now reside with their two children, Gayle, 4½ years, and Juliana, 10 months, in University City at 869 Oakbrook Lane.

Both Dr. Hauser and Gwendolyn are interested in

outdoor sports: flying, sailing, camping, hiking and golf. Dr. Hauser has his private pilot's license and also enjoys photography. Gwendolyn's hobbies are bridge and sewing.

DR. R. GILBERT JOST hails from Philadelphia. He did his undergrad work at Harvard and completed medical school at Yale.

During two years at the National Institute of Health he worked in the Neural Control Laboratory on projects such as the development of an artificial arm prosthesis controlled directly by the motor cortex.

Dr. Jost is best known as ''Gil'' and he lists his hobby as 'interest in problems in the biomedical computer field'.

His wife, Peggy, is beginning a Master's Degree Program at Washington University. They reside at 22 Ramsgate Drive in Olivette, Missouri.

DR. EDDA QUINTERO DE SEVILLA was born in Santurce, Puerto Rico and received her B.S. and M.D. Degrees (Magna Cum Laude) from the University of Puerto Rico. She has received many honors including the Mosby Scholarship Book Award, Roche Award and Alpha Omega Alpha Honor Medical Society. Dr. deSevilla interned at the University Hospital, Puerto Rico Medical Center. Her hobbies range from listening to music and playing piano to cooking, while her husband, Angel Rey, prefers sports such as track and field, football, and baseball. Mr. de Sevilla is currently working toward a Master's Degree in Business Administration at Washington University. The deSevillas live at 832 Le Pere St., University City, Missouri.

DR. LAWRENCE H. RESNICK was born in Milwaukee, Wisconsin. He attended the University of Wisconsin and Marquette University School of Medicine. He is a member of the Society of Nuclear Medicine.

Dr. Resnick enjoys golf and tennis and is adept at repairing antique clocks. His wife, Marilyn, an actress and model, shares his enthusiasm for antiques.

The Resnicks and their 5 year old daughter, Nicole, live at 10330 Oxford Hill Drive.

DR. WILLIAM A. MURPHY, JR., a native of Pennsylvania, was educated at the University of Pittsburgh and received his M.D. from Pennsylvania State University. He served his Internship at Barnes and is a member of Alpha Phi Omega, the American Associations of the History of Medicine and of Suicidology. His interests include rare American medical books, the history of medicine, Pennsylvania Country furniture, and sports. Dr. Murphy and his wife, Judith, find their apartment at 4462 Forest Park a most accessible location to MIR and Jewish Hospital where Judith is an R.N. with the Cardiac Surgery Team. Her participation in a softball league proves a lively diversion.

DR. MICHAEL A. MIKHAEL was born in Alexandria, Egypt and educated at the Alexandria Medical School in Egypt, where he received his M.D. in 1959 and his Ph.D. in 1967 with his dissertation on the "Effect of Female Hormones on the Reticuloendothelial System Cells in Pulmonary, Renal and Digestive Systems." His rotating internship was served at the Miriam Hospital in Providence, Rhode Island, and from 1971-72 he was a physician at the Rhode Island Medical Center.

Dr. Mikhael lives with his wife, Eugenie, who is a pharmacist, and daughter, Miriam, age 3 years, at 1753 Canary Cove, Brentwood.

His hobbies include microphotography and microcine-photography.

DR. ROBERT FRANK SCHEIBLE, of Racine, Wisconsin, attended Johns Hopkins University in Baltimore, Maryland and Washington University Medical School. He has achieved many honors including membership in Alpha Epsilon Delta, and Alpha Omega Alpha, and the C. V. Mosby and Lange Publications Medical Book Awards in 1971 and 1972. Dr. Scheible and his wife, Susan, have two children, Ann Marie, 4 years old, and Matthew Robert, age 3½ months. Dr. Scheible lists his interests as "#1 — My wife and children; #2 — Sports - baseball, football, golf; and #3 — Music - from classical to 'soft' rock."

The Scheibles reside at 4912 Buckingham Court, St. Louis.

Representing some of the most prominent educational institutions in the world, this year's residents bring to MIR not only their professional dedication and medical expertise but also their warm and personable qualities.

#### RESIDENTS WELCOME



Standing Left to right in back of Dr. Evens and Dr. deSevilla are Drs. Mikhael, Murphy, Jost, Cieply, Torstenson (Jr. Staff), Arnold (Fellow), Scheible, Hauser, and Carls (Jr. Staff). Not pictured, Dr. Resnick.



MIR HOSTS BARNES AND ALLIED

TECHNOLOGY SUPERVISORY MEETING

ARNES STAFF ORIN

CANCER WORKSHOPS

AMUT

RINTATION TOUR

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

### ALL IN THE FAMILY

The Emerick family, that is — and it consists of Clarence Emerick, Equipment Repairman and Assistant Supervisor of Maintenance at MIR; his wife, Patsy; four sons, Mike, 16, Steve, 14, David, 13, and Daniel, 10; two large dogs, Rusty the St. Bernard, and Prince, the German Shepherd, and their wandering cat named "Cat".

Clarence started working at MIR in September 1966 and his sons have come to MIR on Saturdays "to help Dad" from time to time since they were 12 years old. In 1967 remodeling the film library was the order of the day and Clarence recalls Mike and Steve became very proficient in swinging a sledge hammer and "tearing things up."

Clarence instructs students in Circuitry and X-Ray Tubes as part of the Physics Course and "helps as needed" repairing T.V. systems, X-ray equipment, and Video tape recorders. Working with Clarence in the 11th floor Maintenance Shop which is supervised by Vince Lazzari, are Jim Barnes, Electronics Service Man, Joe Chandrl and Carl Petet, General Maintenance, Eddie Satterfield, Film Processor Repairman, and Hilda Meyer, Laundry Dept.

Last summer Steve and Mike helped in "Shipping and Receiving" until they returned to school in the



Mike Emerick is on his way to pick up pharmaceutical supplies.



Clarence Emerick and son, Steve, discuss the day's projects.

fall. This year they are again working in that department as well as in the shop and laundry room. Whether running errands or delivering packages, they have created a niche for themselves through their willingness to help and eagerness to learn. The boys attend school in Pacific, Missouri and both Steve and Mike have been Science Fair winners for 2 years. Mike, 6 feet tall, green eyes, sandy hair, easy-going and fun-loving, enjoys studying genetic changes caused by radiation. His experiment with "Radiated Radishes" won a first prize. He now is looking for mutations in corn seed that was radiated for him by his father. Mike also builds model airplanes and plays tuba and trumpet in the Pacific Marching Band and electric guitar and harmonica at home.

Clarence, a compulsive reader, enjoys technical reading material and non-fiction such as "The Greening of America". His son, Steve, who has sparkling brown eyes, is talkative and a nature lover, takes after Dad and also loves to read, and enjoys everything scientific; biology, chemistry, building model rockets, and electronic kits. He plays trumpet and bass drum in the Pacific Marching Band and, along with his three brothers, is an altar boy at St. Mary's Villa Ridge Church.

The Emerick family lives in Robertsville, Missouri, 43 miles from St. Louis, and Clarence, Steve and Mike drive back and forth to MIR every day. They all say living in Robertsville allows them to take the long walks they enjoy and swim and fish in the Meramec River.

"Mom" tells us each of her four sons washes Melmac dishes every fourth day and also they take turns around the house cutting grass, painting the garage, and doing other odd jobs. She is very proud of her "Honor Roll" family and we here at MIR are equally proud.



Steve Emerick delivers tanks of compressed carbon dioxide to Cancer Biology Laboratory.

### AROUND AND ABOUT MIR

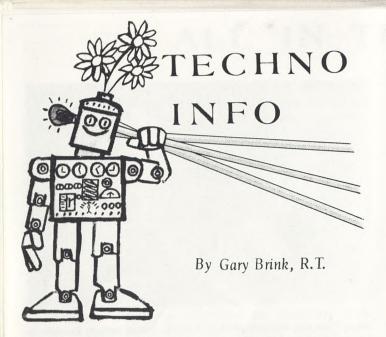


The Public Relations office of Mallinckrodt reflects its usual state of "frenzy" as the staff of FOCAL SPOT assemble, sift, peruse, paste-up, write, re-write, edit, discard, crop, reflect, line-up, compare, confer and combine efforts to publish another edition of Focal Spot.

Virginia Trent, Editor-Writer, resorts to the track system — frantic writing momentum on one track and a telephone marathon on the other while Nadine Getz, Assistant Editor, hums 'Smoke Gets in Your Eyes' as the volumes of typewritten material produce a constantly over-heated electric typewriter.

Norman Hente, Photographer, stands guard to make certain his prolific amounts of proficient handiwork is accurately identified such as the aerial view of the hospital complex not being labeled gall bladder visualization! Gail Cissna, Assistant Supervisor of the Photo Lab, decided to tell it like it is as she passed "Santa's Workshop" with her camera on a day of feverish activity!!

Coupled with all the hectic routine are many good laughs and the 3 member staff unanimously agree — the "subject matter" is constantly challenging and exciting — it's MIR!!



LEO LOPEZ was elected to the office of chairmanelect at the annual meeting of the Society of Nuclear Medicine held in Boston in July.

GARY BRINK presented a paper entitled, "Fundamentals of Image Intensification: Design and Application", at the July annual meeting of the Association of University Radiologic Technologists, Denver, Colorado.

The July-August issue of Radiologic Technology, the official publication of the American Society of Radiologic Technologists, contains a thesis, "A Critical Evaluation of Neuroradiological Special Procedures and Room Design," written by ARMAND DIAZ in partial fulfillment of the requirements for Fellow in the A.S.R.T.

JOSEPH DICROCE, B.S.,R.T. assumed the position of Technical Supervisor of the Queeny Tower Radiology Section in August, 1972.

The new president of the 4th District, Missouri Society of Radiologic Technologists is JOSEPH STOJEBA.

CORRETTA SCHROER, R.T. and OBED KNUDTSON, R.T., MIR technologists on the 4th and 3rd floors, won the 1st place award at the 4th District M.S.R.T. meeting with their exhibit entitled "Catheterization".

SHARON GENETTI, class of March '72, and JUDY CORTNER, class of August '72 were selected to receive awards for their outstanding performance as student technologists throughout their two-year training programs.

MIR students, TERRY KARCH, KERRY SHIPLEY, MIKE ALBERTINA, and DIANE LLOYD "swept" the award competition at the April 4th District X-Ray Society Meeting as they succeeded in winning 1st, 2nd, and 3rd prizes for their film exhibit presentations.

CHARLES L. DERUS, Jr., of Nuclear Medicine participated in conjunction with the Cosmopolitian Singers of St. Louis, Helen Louise Graves, Director, in this year's production of the Student Prince at the St. Louis Municipal Opera.



Left to Right:

Judy Cortner, Mike Albertina, Terry Karch, Kerry Shipley, Diane Lloyd, Sharon Genetti



DR. & MRS. RONALD EVENS HOST SWIMMING PARTY AND BARBEQUE HONORING NEW MIR STAFF AND RESIDENTS

### MIR CALENDAR OF EVENTS

September 11, 1972
CITY WIDE RADIOLOGY CONFERENCE
Wendell G. Scott, M.D. Lecture
given by Michel M. Ter-Pogossian, Ph.D.
Mallinckrodt Institute of Radiology
(Scarpellino Auditorium, Mallinckrodt Institute) 5:30 PM

September 21, 1972
4th DISTRICT M.S.R.T. MEETING
(Scarpellino Auditorium Mallinckrodt Institute)
Joseph Stojeba, R.T., President.

October 3-6, 1972 AMERICAN ROENTGEN RAY SOCIETY Washington, D.C.

October 4-7, 1972

MISSOURI SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Annual Meeting
Osage House, Osage Beach, Missouri

October 9, 1972
CITY WIDE RADIOLOGY CONFERENCE
Dr. M. Gado, Mallinckrodt Institute of Radiology
(Scarpellino Auditorium, Mallinckrodt Institute) 5:30 PM

October 17, 1972
CARMEN LECTURE
Dr. Howard Steinbach,
University of California at San Francisco
St. Louis Medical Society

October 19, 1972
4th DISTRICT M.S.R.T. MEETING
Deaconess Hospital, St. Louis, Missouri

November 1-5, 1972

AMERICAN SOCIETY OF THERAPEUTIC RADIOLOGISTS

Phoenix, Arizona

November 13, 1972
CITY WIDE RADIOLOGY CONFERENCE
Dr. John W. Fries, St. Anthony's Hospital, St. Louis
(Scarpellino Auditorium, Mallinckrodt Institute) 5:30 PM

November 26 — December 1, 1972 RADIOLOGICAL SOCIETY OF NORTH AMERICA Chicago, Illinois

JANUARY 8, 1973
CITY WIDE RADIOLOGY CONFERENCE
Dr. James H. Christie, University of Iowa
(Scarpellino Auditorium, Mallinckrodt Institute) 5:30 PM

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### MIR THANKS VOLUNTEERS

Pictured are a few of a group of people who are especially appreciated by MIR for their time and energy given in helping our patients in many areas of the hospital.



Mary Ann Fritschle, Pilot Volunteer

Mary Ann Fritschle has been our ''pilot'' volunteer on every floor of MIR acting as hostess and assisting patients from therapy to nuclear medicine. She has contributed several ''station wagon loads' of magazines for waiting room areas in the Institute, given tender loving care to babies and young patients in pediatric X-Ray, nurtured plants, escorted patients to rooms and delivered gastro-intestinal procedure pamphlets to patients. Mary Ann has even found time for in-patient visitation.

Lorraine Bleikamp, who completed radiation therapy treatments in May now shares her experience and understanding of the fears and problems of cancer patients as she and Mary Ann act as hostess to out-patients in the Ground Floor waiting rooms and further extend their role by calling of therapy patients who are hospitalized.

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# A VOLUNTEER



Lorraine Bleikamp goes over day's schedule with Thelma Bryant, R.T., Technical Supervisor, Radiation Therapy.

Betty Lupher is well known in many areas of volunteer work around the hospital complex and has been especially helpful to MIR by distributing pamphlets and assisting in patient waiting room areas.



Betty Lupher arranges magazines in MIR second floor waiting room.



Virginia Trent, Director of Public Relations, explains x-ray procedure pamphlets to volunteer Betty Lupher.

Minnie Bader, energetic, pert, always smiling has called on countless patients from McMillan to Queeny as she delivers the G.I. procedure explanation pamphlets from our Public Relations department.



Minnie Bader stops by P. R. desk for procedure pamphlets to deliver to patients.

To these and other Barnes' volunteers and candy stripers we extend our thanks for their concern, compassion, and assistance which is the essence of all volunteers.

# WHAT'S UP, DOC?



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### WELCOME

#### LUNCHEON FOR NEW STAFF MEMBERS

DR. RONALD EVENS, MIR DIRECTOR, welcomed new residents, trainees and junior staff members on Friday, July 14, at a luncheon in the private dining room of Queeny Tower. In the spirit of "fellowship and welcome" Dr. Evens introduced the new physicians and offered them a brief orientation to the organizational structure of the Institute and its prime purposes of resident training, post graduate, and clinical work.



Dr. Evens calls for comments and questions from the group at the conclusion of the luncheon.



As the luncheon progressed from fresh fruit cup through chopped steak with mushrooms to fresh peach shortcake, everyone became better acquainted with one another and with their new environment.

#### WHAT'S UP, DOC?

MIR welcomes three new Junior Staff members: ANNE OOSTENDORP, M.D., Battle Creek, Michigan, GARRY L. CARLS, M.D., Beardstown, Illinois and GUY TORSTENSON, M.D., Albany, New York.

#### DR. WILLIAM POWERS TO APPEAR ON T.V.

Just recently DR. WILLIAM E. POWERS, Director of the Division of Radiation Oncology, taped a session of the NBC network show entitled "Not For Women Only". Dr. Powers was interviewed on this show by Ms. Barbara Walters regarding the topic "Carcinoma of the Cervix and Prostate."

The show is to appear on the air in New York sometime in October. In St. Louis, it appears on Channel 11 weekdays at 9:30 A.M.

The Division of Radiation Oncology announces three additional staff members. DR. WILLIAM B. MILL, who trained at the Institute and was in private practice at the Radiation Therapy Department, Cox Medical Center in Springfield, Missouri, recently rejoined the staff as Assistant Professor of Radiology. DR. LILY A. PALMER-HANES, who completed her training at the Institute five years ago and was in private practice in radiation therapy at Hinsdale, Illinois has rejoined the staff in the same

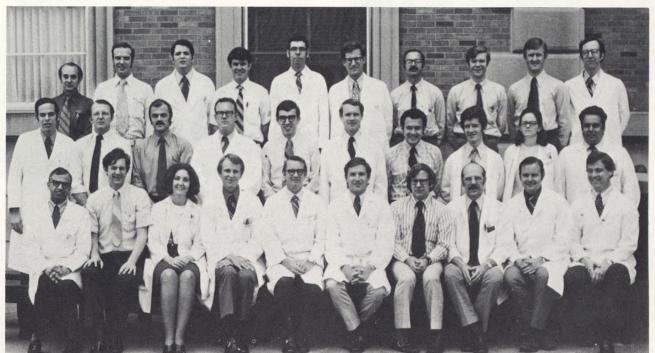
capacity. DR. GEORGE OLIVER, formerly at M. D. Anderson Hospital and Tumor Institute in Houston, became Chief of the Radiation Physics Section effective September 1, 1972.

DR. E. JAMES POTCHEN and DR. JOHN V. FOR-REST will be the guest editors of a forthcoming issue of The Radiologic Clinics of North America.

The June — July issue of <u>Applied Radiology</u> contains a most informative, comprehensive Facility Report on MIR entitled "Mallinckrodt Institute of Radiology — A Vertical Radiology Department". Reprints of the article, co-authored by Dr. Ronald Evens and Mr. Armand Diaz may be obtained from Virginia Trent, Director of Public Relations.

DR. E. JAMES POTCHEN has been appointed a fellow in the Alfred P. Sloan School of Management, Massachusetts Institute of Technology, Boston. Dr. Potchen began the one year fellowship in June, 1972.

#### RADIOLOGY RESIDENTS, TRAINEES, AND FELLOWS 1971 - 1972



Standing, left to right: Drs. Bleiweiss, Bliznak, Omell, Alderson, Elliot, Bramson, Cacciarelli, Keller, Bates, Anderson.
Second row, left to right: Dr. Cohen, Knight, Aring, Zivnuska, Palagallo, Colburn, Graviss, MacMahon, Poncel, Geisse.
Seated, left to right: Drs. Kahn, Logie, Smith, Melson, Co-Chief Resident, Evens, Radiologist-in-Chief and Director of MIR,
Shackelford, Chief Resident, Kunz, Spence, Johnson, Mayes.

# Interesting Cadies Of MIK

Let it not be overlooked or forgotten that behind each of the good men of Mallinckrodt, there is a great woman. The wives of MIR are a versatile group of ladies whose talents run the gamut to include not only the arts and sciences but also many unique and unusual hobbies.

MARILYN MITCHELL is her stage name and she is the wife of Dr. Lawrence Resnick. She is 5'4'' tall, 107 pounds, with dark hair and eyes, and has appeared in many movies, television plays, and TV commercials. A member of the "Flying Nun" series for three years, Marilyn has done "bit acting" in movies and on other 'series' shows. Marilyn most enjoys her work in television commercials and hopes to do more of this "hobby", as she calls her acting, when she and her husband and daughter, Nicole, vacation in California in September. In St. Louis Marilyn stays busy with modeling and political volunteer activities.

RITA DIAZ, the petite, Irish wife of Mr. Armand Diaz, combines a successful career as a real estate broker with that of wife and mother of two daughters.

"Our children are my hobby" states DR. BLANCA PEREZ, wife of Dr. Carlos Perez, and a pathologist on the staff of Jewish Hospital. A native of Colombia, South America, Blanca has incorporated the typically Colombian crafts of brass, ceramics, and weaving in the Spanish decor of their home. In fact she states "we wanted our home to look like a little bit of Colombia right here in St. Louis."

HANNA EVENS, wife of Dr. Ronald Evens, enjoys working in scouting activities with her son and has been a Cub Scout Den Mother for 2 years with Co-Den Mother Elaine Wagner (Mrs. Robert Wagner). She has also served as a church school and bible school teacher in the Glendale Presbyterian Church. A gracious hostess whose interests include studying piano and raising Old English Sheepdogs, Hanna is extremely well versed on the sport of football, is an ardent Cardinal football fan, and goes with Dr. Evens to all the games.

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This fall, SANDY BLEIWEISS, wife of Dr. Milton Bleiweiss, will be studying piano with Robert Wallenborn at Washington University and accompanying voice students of Leslie Chabay.

BRENDA MELSON, wife of Dr. Lee Melson, pursues her musical interest by teaching students in their home in Manchester. She has been singing second soprano with the St. Louis Bach Society for two years and is now rehearsing for the Society's Christmas Concert with the St. Louis Symphony Orchestra to be given in Powell Symphony Hall on December 8th and 10th. Brenda also enjoys tennis and backpacking and she and Lee recently returned from 6 days of camping and back-packing in Colorado.

JOAN HESKER, wife of Dr. Al Hesker, stays busy with Room Mother activities at Bellerive School and arranging social events for the Hospital Wives Club. With two sons, ages 9 and 5, Joan finds Khoury League and Cub Scouts are a big part of the family agenda. She feels it is very important to spend time with her children while they are young.

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### Mallinckrodt Wives

Ceramics, guitar, and a weekly bridge game reflect JO BETH OMELL'S absorbing hobbies. Wife of Dr. Gary Omell, Jo Beth's creative work in ceramics has produced many decorative items for her home and friends. Her "Big Orange" coffee mugs bring a little bit of the Big Orange Country to those local Tennesseans who are temporarily displaced from the Volunteer State. When Jo Beth picks up the guitar and renders a few folk tunes, one is convinced that her music is definitely professional quality — in fact some say she is "pushing Nashville in competition."

KATHY BATES, wife of Dr. Tom Bates, has found the Barnes Wives Club most enjoyable and has helped in the Hospitality Area by hostessing "get acquainted" teas in her home where one sees examples of her unique hobby of tole painting.

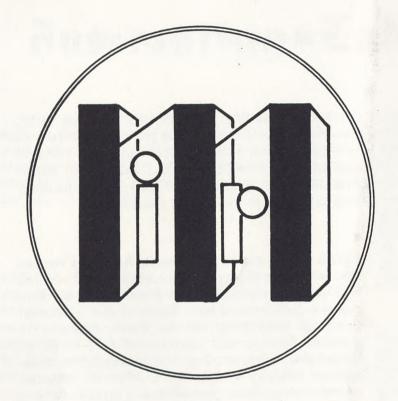
Dr. William McAlister's wife, VICKI McALISTER, has shared her artistic talents with MIR by providing fantasy type murals and water colors on the walls of pediatric X-Ray. Now absorbed in her current hobby of sewing and tailoring, she still finds time for decoupage, interior decorating, and making family Christmas gifts such as decorated and appointed doll houses from barrels.

A family of five children and their activities produces an eventful life for LINNEA POWERS, wife of Dr. Wm. Powers, whether they be camping out or swimming in the invigorating waters of Lake Michigan. "Linn" is a registered nurse who, in her spare time, enjoys selling real estate for her friends.

DR. SHACKLEFORD (PENNY, that is), wife of Dr. Gary Shackleford, continues to pursue her profession as a pediatrician on the staff of Children's Hospital and SHARON FRANCIS, Ph.D., wife of Dr. Robert Francis, is in post-doctoral work in Microbiology with Dr. Eisen at Washington University.

DODIE KUNZ couldn't boil water when she married so she bought a gourmet cook book. Now she not only prepares culinary delights for Harold but also teaches gourmet cooking. Dodie taught a Gourmet Group in 1969-70 at the Air Force Academy in Colorado Springs, was chairman in 1970-71 of the Barnes Wives Gourmet Club and is sharing the chairmanship this year with Dr. Fathman's wife, Melanie. In her classes, Dodie recommends a certain theme to be carried throughout the dinner from hors d'oeuvres to dessert. She stresses eve appeal and says food must be attractive in color and in the manner in which it is served. Planning ahead for dinner parties is important - whether it is a chuck wagon type using "newspaper" tablecloths, an informal French Provincial dinner, or an evening featuring stuffed crab crepes with duck in orange and all the formality of candlelight, silver, crystal and fine linens. Dodie grows her own herbs and teaches the correct use of spices, seasonings, and wines. She also says it needn't cost more to be a gourmet cook for every meal.

(Editor's Note: After talking to Dodie, one realizes that tonight's dinner of frozen chicken pot pies could become a culinary delight by merely adding a "flourish" of peppercorns, a "garnish" of vibrantly colored cucumbers and tomatoes and a "sip" of dry white wine. "C'est Magnifique!").



# 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







Norm Hente, Photographer



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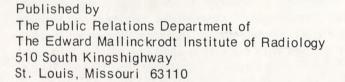
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