

# Ψ PATH TO THE FUTURE

A Publication of the Department of Pathology and Laboratory Medicine at Indiana University School of Medicine

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## IN MEMORY

### Dr. Willam 'Joe' Moores August 5, 1938 - August 23, 2009



William B. "Joe" Moores lost his fight with brain cancer on August 23, 2009 at the age of 71. Dr. Moores was born on August 5, 1938 in Indianapolis. He married Ree Rice in 1959 and they had two girls, Mindy and Kirsten.

### *Friend...*



Dr. Moores graduated from Indiana University School of Medicine (IUSM) in 1963. He continued here to complete a residency in dermatology in 1968 after a one year internship at Methodist Hospital. His was board certified in dermatology in 1969 and was certified in dermatopathology in 1981. Dr. Moores was dedicated to teaching dermatology and dermatopathology, inspiring hundreds of medical students and residents throughout his career. He was a Clinical Professor of Dermatology for many years and became the Director of Dermatopathology for the department in 2002, which he held until his passing.

Dr. Moores was presented with many awards over his 40 years as a professor. A few include the IUSM Certificate of Meritorious Service in 1977, Special Commendation for Teaching from the Indiana Dermatologic Society in 1987, Distinguished Teaching Award from Methodist

Hospital in 1987 and 1989, Most Distinguished Medical Alumnus from IUSM in 1989, Spirit of Philanthropy Award from IUPUI in 1989, Bowen's Distinguished Leadership Award from IUSM in 1993, 1996 and 1997, Hero of Medicine from IUSM in 1995, Methodist Hospital Outstanding Physician Alumnus Award (in recognition of more than 30 years of dedicated service to the community and medical profession) in 1999 and the IU Foundation first Keystone Award in 2007.

A celebration of Dr. Moores' life was held on August 30th at Scholars Hall, University Place Hotel on the IUPUI campus. Dean of the IUSM, Dr. Craig Brater spoke at the memorial. Eugene Tempel, Ed.D., President of the IU Foundation and Dr. Christopher Rehme, President of Dermatology Incorporated and a close friend of Dr. Moores spoke that day as well.

When Eugene Temple spoke of Dr. Moores he recalled William B. "Call me Joe" Moores as just a regular guy who was larger than life, committing, "This regular guy was also a maverick and trailblazer."

Dr. Temple remembers in 2007 when Dr. Moores was named a "Partner in Philanthropy" by the IU Foundation and was presented with the Keystone Award. This award is given

by the foundation to recognize outstanding friends of IU and their exemplary and long-term leadership in philanthropy. Dr. Temple sees the "keystone" as a perfect description of Dr. Moores. The keystone is the stone that keeps all others from

### *Colleague...*



collapsing on them. "Joe was our keystone," remarked Dr. Tempel. He witnessed Dr. Moores hold together campaigns, friends, colleagues, and many more.



"In Memory" continued on page 8

*Path to the Future* is published bi-annually for alumni and friends of



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*Mission Statement-*

*The Department of Pathology and Laboratory Medicine will be an international leader, training outstanding physicians, scientists, and laboratory professionals, advancing understanding of mechanisms of disease and improving medical practice through research, and providing out-patients and clinical colleagues with advanced diagnostic services, on-time and at low cost.*

**NEW FACULTY**



**Howard Her-juing Wu, MD**

Dr. Howard Wu is joining our department in January 2010 as an Associate Professor of Pathology and Laboratory Medicine in the Anatomic Pathology section. Dr. Wu is currently the Director of Surgical Pathology at Ball Memorial Hospital and the East Central Indiana Pathologist PC in Muncie, a position he has held since October of 2000. He has been on the clinical staff at Ball Memorial

Hospital since 1994 and the Associate Program Director for the Pathology Residency Program since 1999. Dr. Wu received his medical degree from Kaohsiung Medical University in Taiwan in 1984. After two years of mandatory military service, he completed a one year residency in pathology at Chung-Gung Memorial Hospital, Taipei, Taiwan (1987). Dr. Wu completed an AP/CP residency at Ball Memorial Hospital in 1994, followed by a fellowship in Cytopathology at IU School of Medicine in 1996. Dr. Wu is board certified in AP/CP and Cytopathology. ■

**FACULTY HONORS**

**Dr. Ghatti Honored by FDA**



The Food and Drug Administration has recognized Bernardino Ghatti, MD with an award for his distinguished service as a member of the Transmissible Spongiform Encephalopathies (TSEs) Advisory Committee.

The TSEs Advisory Committee, part of the Department of Health & Human Services, Food and Drug Administration, reviews and evaluates the safety of products that may be at risk for transmission of spongiform encephalopathies. The committee then makes rec-

ommendations regarding the regulation of these products. TSEs, also known as prion diseases, are a group of rare degenerative brain disorders characterized by tiny holes that give the brain a “spongy” appearance.

Dr. Ghatti is currently the director of the division of neuropathology for our department and director of the Indiana Alzheimer Disease Center. Here at IU School of Medicine, he holds the titles of Distinguished Professor of Pathology and Laboratory Medicine and Chancellor’s Professor. Since his faculty appointment in 1976, Dr. Ghatti has served as a professor of pathology, psychiatry, medical and molecular genetics and neurology. ■

**Dr. Badve - FOXA1**



Photo courtesy of IUPUI Office of Communications and Marketing

Dr. Sunil Badve, associate professor of pathology and laboratory medicine, along with his research colleague Harikrishna Nakshatri, B.V.Sc., Ph.D. and research team have developed a new breast cancer diagnostic marker called FOXA1 or forkhead box A1. FOXA1 is a gene known to be associated with a specific subtype of breast cancer.

Their research found that patients testing positive for the FOXA1 biomarker generally have a less aggressive form of breast cancer and are more likely to respond to an-

ti-estrogen hormone therapies as an alternative to traditional chemotherapy treatments. Earlier this year, FOXA1 was licensed by Clariant Inc., a cancer diagnostics company. Clariant stated in the company’s press release, the marker is a “significant new addition to our Clariant Insight® Dx program, which aims to provide pathologists and oncologists with a panel of assays that help deliver personalized medicine in a community setting.”

This test could be a significantly less expensive alternative to existing methods for testing breast cancer subtypes that require sophisticated genomic analyses. Dr. Badve stated, “This is something that 80 percent of surgical pathology labs up and down the country could do.” ■

**NEW FELLOWS**

**Mohammed Abuel-Haija, MBBS, Hematopathology**



Dr. Abuel-Haija received his MBBS degree in Medicine and Surgery from the University of Jordan School of Medicine (2002). He completed his residency training at Temple University Hospital in Anomic Pathology and Clinical Pathology (2009).

**Becky Marks, M.D., Cytopathology**



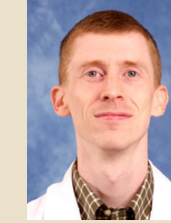
Dr. Marks received her medical degree from IUSM (2005). She continued here at IUSM to complete her residency training in Clinical and Anatomic Pathology (2009).

**John Fasig, M.D., Cytopathology**



Dr. Fasig received his medical degree from the Carver College of Medicine at the University of Iowa (2003). He completed his residency training at Vanderbilt University (2007). He also completed a fellowship in Anatomic Pathology at Vanderbilt University Medical Center (2008).

**Trent McBride, M.D., Hematopathology**



Dr. McBride received his medical degree (2005) and completed his residency (2007) from the University of Kentucky College of Medicine. Recently, he worked as a Gross Room Technician for the Lexington Clinic, Department of Pathology.

**Matthew Hagan, M.D, PhD, Neuropathology**



Dr. Hagan received his medical degree from the University of Minnesota-Minneapolis School of Medicine where he chose the combined MD/PhD program (2005). His PhD is in Neuroscience. He completed his residency training here at IUSM (2009).

**Marzena Muller, M.D., Surgical Pathology**



Dr. Muller received her medical degree from Ross University School of Medicine in Dominica, West Indies (2000). She completed her residency training at Ball Memorial Hospital in Muncie (2006). She completed a Cytopathology fellowship at Allegheny General Hospital in Pittsburgh (2007). Recently, Dr. Muller worked for Great Lakes Pathologists.

**Shams Halat, M.D., Genitourinary Pathology**



Dr. Halat received her medical training at the American University of Beirut, Lebanon (2001). She completed her residency training at University Hospitals Case Medical Center in Cleveland, Ohio (2008). She completed a fellowship in Cytopathology at the Hospital of the University of Pennsylvania (2009).

**Swarna Sikdar, M.D., Cytopathology**



Dr. Sikdar received her medical degree from Drexel University College of Medicine (2004) in Philadelphia. She completed her residency training at St. Luke’s-Roosevelt Hospital Center in New York (2008). Recently, she completed a fellowship in Hematopathology at Washington University School of Medicine (2009).

**Matt Kuhar, M.D., Dermatopathology**



Dr. Kuhar received his medical degree from Drexel University College of Medicine in Philadelphia (2005). He completed his residency training her at IUSM where he was named Chief Resident (2009).

**Raul Villanueva, M.D., Microbiology**



Dr. Villanueva received his medical degree from Loma Linda University School of Medicine in Loma Linda, California (2005). He completed his residency training at Loma Linda University Medical Center (2009) where he was named Chief Resident in 2008.

**NEW RESIDENTS**



Dr. Julia Adams

**Julia Adams, M.D.** — College: Saint Mary’s College, Notre Dame (2005) — Medical School: Loyola University (2009)



Dr. Jessica Clevenger

**Jessica Clevenger, M.D.** — College: Ball State (2005) — Medical School: Indiana University (2009)



Dr. Adam Darnell

**Adam Darnell, M.D.** — College: Purdue University (2004) — Medical School: Indiana University (2009)



Dr. Annie Marshall

**Annie Marshall, M.D.** — College: IU Bloomington (2004) — Medical School: Indiana University (2009)



Dr. Sarah Martin

**Sarah Martin, M.D.** — College: 1/2003-6/2003 at University of Western Australia, Perth, Australia; 8/2000-5/2004 at Purdue University — Medical School: Indiana University (2008)

## HISTORY OF THE DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

Written By Dr. Kathleen Warfel Hull

The last installment of the History of the Department brought the Vellios era to a close and focused primarily on the time that Dr. Joshua Edwards was chair of the Department of Anatomic Pathology (1969-1979). Events of that decade continue in this segment. The history of Dr. Nordschow's Department of Clinical Pathology in the 1970s will begin in a future installment. It is hoped that anyone with additional information about the history will contact Dr. Kathleen Warfel Hull, [hullk@ccrtc.com](mailto:hullk@ccrtc.com), 317 996-4380.

### Department of Pathology: 1962-1979

#### The VA and Marion County General Hospitals

(continued from Summer 2008 Issue)

On August 9, 1921 the Public Hospitals of the US Public Health Service were transferred to the new Veterans Bureau, and nineteen additional hospitals were planned in order to provide care for the veterans of WW I. In 1930, the Veterans Bureau became the Veterans Administration. After WW II, President Truman appointed General Omar Bradley to lead the Administration of Veterans Affairs. New VA hospitals were to be developed in close proximity to medical schools. In the tuberculosis epidemic of the 1950s, many of the VA hospitals were designated as tuberculosis treatment centers.<sup>1</sup>

In the Vietnam War era, the problems of injuries, drug addiction and alcoholism were primary concerns. In 1971, some VA Hospitals were designated as drug addiction treatment centers.<sup>2</sup>

In Indianapolis, the VA Administration had been in the Test Building on Monument Circle before it moved to a new 152 bed campus on Cold Spring Road. The first patient had been admitted there on January 4, 1932. By the 1950s, there were 347 beds.

The 1600 bed Billings General Hospital at the US Army's Ft. Ben Military Reservation had been built in 1941.<sup>3</sup> Billings Hospital was deactivated in March 1946 and turned over to the VA. It reopened in October of that year as a 500 bed VA medical facility, serving as overflow space for the Cold Spring Road Hospital. Many of the patients were suffering from tuberculosis.

Public Law 293 became law on January 3, 1946 and promoted affiliations between VA hospitals and university medical schools. In Indianapolis, the IUSOM dean's commission to administer the affiliation began meeting ten days later. Initially a total of 28 part-time physicians and senior medical consultants were appointed to the VA staff. Later, 14 full-time resident physicians were added. In 1952, the new West 10<sup>th</sup> Street VA Hospital opened. Some 300 plus patients were transferred from Cold Springs to the new facility, and Cold Springs was remodeled as a 241 bed TB center. At this time, Billings Hospital was closed. Cold Springs remained open as a tuberculosis center until the late 1960s.

1. The VA Hospital on Cold Spring Road served as a tuberculosis center.

2. The VA Hospital on West 10<sup>th</sup> Street was a designated drug addiction treatment center.

3. Billings Hospital was named for John Shaw Billings, civil war surgeon, medical bibliographer, designer of the Hopkins Hospital, first director of the New York Public Library, and founder of the Surgeon General's Library.



VA Hospital on West 10<sup>th</sup> Street - 1955

Expansion of the West 10<sup>th</sup> Street VA Hospital occurred: new animal research lab in 1961; 290 bed addition in 1962; 42,000 sq. ft. addition in 1980 (included room for the clinical lab). On August 29, 1982, in honor of the 50<sup>th</sup> anniversary of VA hospitals in Indianapolis, the West 10<sup>th</sup> Street Hospital was rededicated as the Richard L. Roudebush Medical Center. Roudebush was a native Hoosier who had served as US Congressman in 1961-71. He was prominent in the Veterans of Foreign Wars and served as Administrator of the Veteran Affairs from 1974-77.

When the new West 10<sup>th</sup> Street Veterans Administration Hospital opened in 1952, the IUSOM was to participate with its operation. The VAH had its separate lab and pathologists, so this had not involved much for the IU Department of Pathology until the mid to late 1970's, when anatomic pathology services for the VAH became the responsibility of Dr. Edward's department. The original chief of the laboratory service, Dr. David Rosenbaum, had had an IUSOM faculty appointment in the department as full-time pathologist at VAH since 1953. Other full-time VAH pathologists included Dr. Nora-Patricia Loh (arrived in 1973), Dr. Ruben Alfonso (arrived in 1974 and went to VAH in Marion, Indiana in 1978), and Dr. Eduardo Tejada (arrived in 1977). Dr. Walter Beck came to the VAH in 1971, and he became chief of the



Dr. Loh Dr. Tejada Dr. Beck  
VAH Pathologists (1977)

VAH laboratory service after Dr. Rosenbaum left. The VAH pathologists were full-time service pathologists at that hospital, but they had faculty appointments and helped in the medical student teaching labs. Some time in the late 1970's, other anatomic pathology faculty from Edward's department began to help cover the sur-

gical pathology services at the VAH as attending or consulting pathologists.<sup>4</sup> When a full-time position became vacant in 1978, Dr. Edwards was asked to recruit a pathologist to fill it.

During Dr. Edwards' term as chairman, anatomic pathology and clinical pathology at the MCGH were covered by a separate group there that was directed by Jim Benz, MD. The MCGH group became members of Dr. Nordschow's Department of Clinical Pathology in a 1976 takeover, an event that is discussed in the next chapter.

### Research in Edward's Department

Dr. Edwards worked to increase research activity of the department. His own areas of research involved immunologic reaction in the lymphoid tissues of the bursa of Fabricius in chickens and also tissue polyamine biochemical research.<sup>5</sup> Dr. Zeman studied the neuropathology of sphingolipidoses and had taken a sabbatical in Belgium to acquire new research techniques to promote this research program.<sup>6</sup> Aristotle Siakotos, who had



Dr. Siakotos

earned his Ph.D. at Cornell University and had been a researcher at the Army Chemical Center in Maryland, was recruited from the City of Hope Medical Center in Duarte, California. He joined the faculty as a neurochemist assistant professor in 1970 and continued his research on the pathology of neurogenic lysosomal storage diseases such as Batten's disease until retiring in 2005.<sup>7</sup> Vimal Patel, Ph.D. came as his post-doc fellow in 1970-73 and was hired by Dr. Edwards as a faculty member (1973-2004), primarily to support the research programs as director of the research neurochemistry lab, which existed at the Medical Sciences Building from 1973-88.<sup>8</sup>

Assistant professor Ituro Watanabe (1971-72) ran the Siemens EM at the Medical Sciences Building in support of neuropathology and research. Shelly Epstein, DO was a faculty member (1972-77) who brought his research program from Pittsburgh but shortly thereafter lost funding. Dr. Epstein then was involved mainly

4. Drs. Gillespie, Roth, Seo, Warfel, Warner, and Yum.

5. Dr. Edward's research assistant Randy Morgan stayed with the department for decades. He became the supervisor of the hospital autopsy service and the assistant for the medical education program. For a time, he was head of the autopsy assistants for the forensic pathology program under Dr. Pless. Early in his career, Dr. Meredith Hull worked with Dr. Edwards in polyamine research.

6. Dr. Zeman's sabbatical (Sept. 1, 1967 - Feb. 28, 1968) at the Foundation Born-Bunge pour la Recherche, Berchem-Antwerpen, Belgium.

7. Dr. Siakotos had been on the faculty in Bloomington beginning in 1969.

8. Later in his career, Patel did little work in pathology but played a role in the growing field of alternative and complementary medicine, originating with his knowledge of Ayurvedic practices. He served on the NIH Study Section for the National Center for Complementary/Alternative Medicine and as an Advisor for the World Health Organization. After retirement from the faculty he continued work as the vision coordinator for Health Synergies: The Center for Integrative Health Care, located in Indianapolis.

with the autopsies and teaching programs.

Dr. Bernardino Ghetti brought his research program in the pathology of dementias to the department, becoming part of the funded research on Alzheimer's disease at the school. Dr. Ghetti had earned a Doctorate of Medicine with Specialization in Mental and Nervous Diseases at the University of Pisa Medical School in Italy and completed a fellowship in neuropathology at the University of Naples. He was a research fellow in neuropathology at the Albert Einstein



Dr. Ghetti

College of Medicine (1970-73) and then a resident in pathology and neuropathology at the same institution's Bronx Municipal Hospital (1973-76). He joined the faculty at IUSOM in 1976 and became director of the division of neuropathology. (Dr. Ghetti was awarded the rank of Distinguished Professor of Pathology in 1997.) Dan Raveed, Ph.D. was hired as assistant professor to help in research, specifically in the EM lab, but was here only one year, 1977-78.

Neuropathologist Biagio Azzarelli, MD was recruited in 1978 from the University of Maryland and the Maryland State Department of Health and Mental Hygiene and joined the department in 1979. He had done his medical school training and a year of residency in neurosurgery in Chile. He completed his pathology residency at Case Western Reserve in Cleveland, Ohio (1976) and stayed for additional training in neuropathology, becoming a faculty member



Dr. Azzarelli

there for several years. His research included studies of vascular disease in the brain. He remained in the department until his retirement in 2005.

The research effort of the department was helped by the purchase of a Siemens 101 EM from the Eli Lilly & Co. Research Laboratories in 1978. This new scope included improved technology such as a tilting stage and an image intensifier.

### Moving into University Hospital

During the first years of Dr. Edwards' leadership, surgical pathology was still at Fesler Hall, and the autopsy, research, and teaching programs of anatomic pathology were in the south wing of the Medical Sciences Building on the first floor and in the basement.<sup>9</sup> In 1975, Phase II of University Hospital opened, and much of AP moved into the new building.<sup>10</sup> The autopsy service moved to a large suite on the northeast end of the third

9. The department had three large storage areas in the basement. The morgue for UH, RH, and Long Hospital and an autopsy room also were in the basement. Additional autopsy space was in the central space on the first floor.

10. Phase I opening in 1970 had added 245 private and semi-private hospital beds but no lab space. Phase II also added space for radiology and some outpatient clinics. After transfer of the women's services in Coleman Hospital to UH, the vacated building was rededicated as Coleman Hall and initially used mainly for allied health sciences education.



UH Autopsy Room - Randy Morgan and Michael Yard

floor, next to a large walk-in morgue.<sup>11</sup> There was one large room with three autopsy tables, a separate room for contaminated cases and specimen preparation, and an office area for the dieners.<sup>12</sup> An adjacent shower and locker room was shared with surgical pathology.

Across and down the hall, the histopathology lab consisted of one room for processing, one for embedding and cutting, and a third room for staining and cover-slipping. Pearl Driver had been supervisor of the histology lab in the Medical Sciences Building for many years. Mr. Geoffrey Brown HTL(ASCP) came to oversee the new histology lab in 1977.<sup>13</sup> Brown wrote a medical textbook entitled *An Introduction to Histotechnology* that was published in 1978. By 1979, the histology lab on a monthly basis prepared about 4,200 surgical slides, 680 autopsy slides, and did over 1000 special stains (offering 39 different special staining techniques).

Tissues removed at surgery were brought up to the third floor of UH from the operating rooms in the basement of University Hospital, the fifth floor of Long Hospital, and the second floor of Riley Hospital. The surgical specimens were dissected in a separate gross room that was across the hall from histology on one side and the secretarial room on the other.<sup>14</sup> The gross room had gross photography stands. The surgical pathology band saw was located in the autopsy suite. Separate frozen section rooms

11. The morgue was run by hospital administration, not by the pathology department.

12. The supervisor of dieners at this time was Ken McCane. When he left to work full-time at his funeral home, Randy Morgan took over as supervisor and appears elsewhere in the history. Some of the other autopsy assistants then and later included Guy Hanson (who became a research assistant and educator at Eli Lilly & Co.), Michael Yard (who became a Ph.D. in neuroanatomy/neurobiology), Brian Miller (who graduated from IU medical school), Jack Miller (who graduated from dental school and also was a professional race car driver), John Freeman and Billie Elkins (who together had a crime scene clean-up service and a freelance diener service), Roger Reynolds (who survived a fall from an airplane in which his parachute did not open), and Ed Rogers (who became a chaplain and a security guard).

13. Mr. Brown was a native of England and had been in the US since 1965. He was on the editorial board of the *Journal of Histotechnology*. He died suddenly in the UH tunnels on his way to work in 1990. His wife Veronica Brown has been a secretary in cytopathology for many years. Pauline McGowan retired in 1977 after 31 years of service in histology. Sarah Biggs, Marge Wolfe, Janet Brown, Linda Hall, Delilah Colbert, and Johnnie Mae Evans were other long-time members of the histology lab staff. John Freeman left the histology lab to work as a diener on the autopsy service, where he served for several decades.

14. Before too long the gross room was converted into an additional residents' room, and grossing was moved across the hall into the histology processing room. For years there was an effort on the part of some faculty to get a grossing room in the UH operating suite frozen section area, but Dr. Roth was not in favor of this, and it never was achieved.

were present in the surgical suites in UH, Riley, Long Hospitals.<sup>15</sup> Faculty and residents spent a lot of time walking to the various sites to do frozens. The UH-RH frozen sections for years remained the only ones in the system done without the help of a histotechnologist.

The surgical pathology suite was also on the eastern side of the third floor and included a large surgical pathology-autopsy secretarial room for transcription and storage of reports and slides.<sup>16</sup> At the beginning of the UH era, dictations were made



UH Surgical Pathology office - Mrs. Terri Culpepper and Dr. Lawrence M. Roth

in machines that recorded on blue plastic sleeves that were physically transported to the secretaries for transcription. These were replaced by audiotape recorders and then by a centrally located recording system in the main office connected to microphones in the gross room, autopsy room, sign-out room and pathologist's offices. Similarly, the era of electric typewriters and reports on carbon copies gave way to the earliest word processors and finally to computer generated reports. Cases were coded for "easy" retrieval using a coding system and card files: originally the SNOP system and later the SNOMED system, which eventually was a computerized database.<sup>17</sup>

There was a large surgical pathology sign-out room with individual desks and microscopes for students and residents, including oral pathology, surgery, and OB-Gyn residents who rotated through AP at that time. In this room there were two-headed and multi-headed microscopes at which pathologists signed out cases with the students and residents and reviewed cases with clinicians. The surgical pathology library collection was in that

15. The frozen section room at Long finally closed in the late 1980's when structural problems at Long forced the Otolaryngology Service to move their surgeries to the UH operating rooms.

16. Recent blocks were stored on the third floor. Older blocks, slides, and reports were stored in the basement of the Medical Sciences Building (B40). There were five secretaries and an clerk named Florence \_\_\_\_\_, who hand-delivered reports to the charts on the inpatient units and also filed slides. Millicent Duckworth had been in charge of all the secretaries in AP. At UH, Terri Culpepper was the head secretary. Janet Chastain was the head secretary for the autopsy service. Other long-term secretaries and clerks included Mary Moulton, Linda Wright, Judy Serber, Pat Cooper, and Arletta Brown, who later moved to Riley Hospital pediatric pathology. Supervisors of the SP secretaries following Terri were Evelyn Catt, Charlotte Shellhouse, and Mary Ann Giles.

17. Systematized Nomenclature of Pathology had first been published in 1964. Systematized Nomenclature of Medicine was authorized by the CAP board in 1972. The first edition of SNOMED was published in 1975.

room, and another AP library collection of journals and books was just down the hall.<sup>18</sup> Between the library and sign-out room there was a small room with a bathroom that had been designed to be a call room. But, since the department no longer had residents or students onsite overnight, this became a pathologist office.<sup>19</sup> There were additional pathologist offices and an additional large back room for residents, abundant for the time but quickly overfilled.

On the third floor there also was a small photomicroscopy room next to the original gross room and across the hall from the histology microtome cutting room.<sup>20</sup> On the eastern most corridor there was a diagnostic electron microscopy facility with an ultramicrotome cutting room, a dark room, and two separate rooms for new Philips TEM and SEM instruments. An adjacent room had an office area, the sputter-coater and some research bench space. Mike Goheen was recruited by Dr. Roth in 1978, to be the technical supervisor for EM at UH, under the direction of Dr. Yum. He recruited two full-time technicians.<sup>21</sup>

The cytology lab was on the central corridor of UH Phase II, west of histology. It had a specimen receiving and processing area, an area for the cytotechnologists and cytology students, and an office suite including secretarial space and one pathologist's office.

Several shared conference rooms were available nearby on the third and fourth floors. "Regular" weekly conferences with compulsory resident attendance at that time included:

- ⌚ Gross Autopsy Conference, Monday and Thursday, 8 am
- ⌚ Surgical Pathology Review Conference, Wednesday, 8 am
- ⌚ Neuropathology Conference, Friday, 4 pm
- ⌚ Pathology Residents Robbin's Conference, Thursday, 6 pm<sup>22</sup>
- ⌚ Noon Movies, daily
- ⌚ Slide Review Conference, Saturday, 9 am

The resident's two year anatomical pathology rotation consisted of 18 months of basic AP (surgical pathology and autopsy), 1 month of neuropathology and histochemistry, 1 month of EM and immunohistochemistry, 1 month of exfoliative cytology, and 3 months for electives.

The chairman's administrative offices and the Division of Neuropathology remained in the Medical Sciences Building, as did the teaching and research programs. Millicent Duckworth had been the departmental executive secretary for many years, having first come to IU SOM in 1945. After her retirement, Frances Heavrin was the chairman's chief secretary.<sup>23</sup> The chairman's

18. The library held bound journals from 1970 and earlier that had been donated by Dr. Robert McDougal. This room later became Dr. Ulbright's office.

19 Occupied originally by Dr. Seo.

20. Later made into a faculty office and the photomicroscope was moved into a small storage room, that became the chief resident's office as well.

21. The EM technicians Mary Deck and Pearl Driver were later replaced by Peggy Harger, Susan Cooper, Nancy Maguire, and Saeed Kahn.

22. Organized group review of *Robbin's Textbook of Pathology*.

23. After AP and CP combined, Mrs. Heavrin was transferred to the pediatric pathology office.

office was in two rooms at the front of the building, now occupied by Student Affairs (which took over much more floor space in the Medical Sciences Building through the decades). ■

To be continued in the next issue of  
"Path to the Future"

## GIFT TO THE DEPARTMENT

The Education and Research fund of our department recently received a generous gift from Mildred Young's estate. In her 44 year career with the department Mildred started as a medical technologist, later to become an instructor in the Clinical Laboratory Science Program. She retired in 1988 as an Assistant Professor Emerita of Med-



Mildred Young - Faculty  
Photo 1982-83

ical Technology. She also attended school here and trained as a medical technician.

The department was unaware of the gift designation set up in Mildred's will and is tremendously grateful.



Cornelia Conner, Marian Selner, Mildred Young  
and Dr. Culbertson 1941-42

Gifts to the department help advance medical research by providing education to the pathologists of tomorrow and improving clinical pathology. Philanthropic support is absolutely vital if we are to continue making advancements in medical care, research and education.

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Regardless of the designation, you may be certain that by making a gift to support the Indiana University School of Medicine, you are helping to improve the human condition. ■

# REMEMBERING JOE MOORES

with the William B. "Joe" Moores Fellowship in Dermatopathology



## SCHOOL OF MEDICINE

INDIANA UNIVERSITY

I/we wish to remember Dr. Joe Moores with a gift commitment of \$\_\_\_\_\_ to benefit the William B. "Joe" Moores Fellowship in Dermatopathology.

Check enclosed.

I/we will fulfill this commitment with annual installments over \_\_\_\_\_ years. The first installment will be made in \_\_\_\_\_ 20\_\_\_\_\_.

Please make your check payable to:

**IU Foundation - Moores Fellowship**

P.O. Box 660245

Indianapolis, Indiana 46266-0245

Name (as you want it to appear in our donor records)

Address

Phone

E-mail

All personal information you provide will remain confidential.

*Thank you for remembering Dr. Joe Moores. Your gift will help train generations of physicians who will follow in his footsteps.*

*"In Memory" continued from page 1*

Dr. Moores loved IU and considered it to be an extension of his family. This school transformed his life and he was determined to provide for the future generations of doctors. Therefore, the IU School of Medicine would like to memorialize him by establishing a fellowship in dermatopathology in his name. ■

*The IU Foundation is asking Joe's friends, family, colleagues, and students to assist in this effort by supporting this Fellowship. Please consider joining the Leadership Committee, with a gift of \$10,000 or more, or the Gift Committee, which calls for a gift of at least \$5,000. Your gift may be paid outright or over 5-years or you may even make your contribution through a planned estate gift. The goal is to have Joe's Fellowship fully funded at \$250,000 by December 31, 2009. Please cut out the gift card below and mail it to the IU Foundation - Moores Fellowship or contact the Office of Gift Development. Contact: Jill Kooiman – 317-278-2113 – [jkooiman@iupui.edu](mailto:jkooiman@iupui.edu)*



## INDIANA UNIVERSITY

DEPARTMENT OF PATHOLOGY  
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