



The Penn Surgery Society News is published quarterly for its members, colleagues and friends of the Department of Surgery. For submissions, inquiries or comments, please contact clyde.barker@uphs.upenn.edu.



Ron DeMatteo, MD
John Rhea Barton
Professor and Chairman
of Department of Surgery

Message from the Chairman

“Best Surgery Programs”

U.S. News and World Report (USNWR) ranks about everything these days, including investments, cars, and travel destinations (www.usnews.com/rankings).



Particular attention is paid to the ranking of universities, medical schools, and hospitals, which has resulted in substantial effort to improve one’s status. USNWR has previously ranked Pediatrics and Internal Medicine, but for the first time this year Anesthesiology, Obstetrics and Gynecology, Psychiatry, Radiology, and Surgery are now included. The exact phrasing for surgery is “Best Surgery Programs.” This title is somewhat vague, as it appears to refer to the medical schools that have the best learning environments for medical students who plan to pursue a career in surgery. “Surgery” is used collectively for the vast array of specialties, such as General Surgery, Cardiothoracic Surgery, Neurosurgery, and Orthopedics. I suppose that the “Best Surgery Programs” ultimately reflects the schools with the best surgical training programs, albeit in a slightly circuitous manner.

Strangely, there were no obvious announcements or articles released to herald the new evaluation of surgery programs. I just happened to stumble upon this website recently – www.usnews.com/best-graduate-schools/top-medical-schools/surgery-rankings. The methodology was based on the perceptions of medical school deans and senior faculty from the schools surveyed. These individuals were allowed to identify 10 schools and the 14 schools that received the most votes were published. This is a far cry from the methods of Google, which uses 200 factors to rank their search results. However, the calculations will most likely become more complex and detailed in the future, to match the existing multifactorial analysis of medical schools and hospitals. The surgical specialties will probably be assessed individually. There may even be an App someday for real-time data. The bottom line: The University of Pennsylvania was rated in the top 3 “Best Surgery Programs” with Harvard and Johns Hopkins. Of course, rankings are only useful when they confirm what you already believe.

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From the Editor

Clyde F. Barker, M.D.

Congratulations to Steve Kovach for his recent appointment as Herndon B. Lehr Endowed Associate Professor of Plastic Surgery. This announcement called forth to me some half-forgotten memories about the man for whom this new chair is named. I was shocked to find that in the Department's archives his existence can be found only in a 2 x 3 inch index card that tells only that he went to college at Georgia Institute of Technology and that he was Chief of the Department's Plastic Division from 1969 to 1979. From memory I could fill in a few details such as his sudden unexpected death in 1979 at age 56 from acute fulminating hepatitis. We should probably all expect that four decades after we die the record of our careers will be similarly abbreviated. But in Herndon Lehr's case this is too bad because he was important in the Department's history and development and especially because this enigmatic icon was so colorful.

Herndon Lehr was known to everyone including himself as Bugs, a moniker suggesting that he might not deserve serious consideration. In fact, this was the assessment by some of his colleagues, especially those who knew him only superficially. To be sure there were suggestions that Bugs was chiefly a comic figure and despite our friendship I suppose that I most often recall him in this way. Physically he was rather ordinary but in his demeanor anything else. He was outgoing and good natured but totally uninhibited, irrepressible, irreverent, and often too loud. Remnants of his deep Georgia accent fit perfectly with this style. Yes, quite amusing, a comic figure to laugh with or about.

The following several episodes come to mind as enforcing this view. Bugs and his closest friend Bill Fitts (another Southerner and incidentally the Department Chairman) were both concerned about their weight. One year they jointly resolved to reduce. To help them diet they made a sizable wager, the winner to be the one who could shed the most pounds by a specified date. Soon as if their daily progress was being published everyone seemed to know who was ahead. They were about even until the last day when Bugs lost 12 pounds to win. Fitts had to



Herndon B. Lehr ("Bugs")

blood and taken near lethal doses of a diuretic.

Bugs lived in a large house at 40th and Pine Street where he entertained his friends and colleagues. As one party got better and better it also got louder. Eventually the neighbors complained and the police arrived. During an ensuing discussion Bugs' German Shepherd dog bit a policeman. The next day the episode was reported in the newspapers. Some of us were convulsed with amusement. Dr. Rhoads didn't think it was funny.

Professionally and in his research Bugs was given to causes that to many seemed farfetched, impossible or even crazy. His favorite scientific topic was cryopreservation of tissues. For 10 years he worked on freezing kidneys with the goal of banking them for later transplantation. The barrier to success was damage caused by crystals that always formed during the thawing process, a problem still not solved by anyone. At one point the project was put on hold when the medical students found a frozen dog kidney warming up in their lunchroom's microwave oven.

In 1970 Dr. Rhoads organized a symposium on transplantation at the American Philosophical Society. It was an all-star cast. The distinguished speakers were Tom Starzl, Norman Shumway, and transplant biology authority Rupert Billingham. Dr. Rhoads added Bugs to the program to tell about his experience with freezing kidneys. As Dr. Billingham's research fellow I attended and happened to be seated in the audience just behind the speakers. My indelible memory of the event is watching Starzl and Shumway poking each other in the ribs while trying to conceal their mutual amusement at Bugs' style as for 30 minutes he showed slides of one unsuccessfully thawed dead kidney after another.

It is important to note that none of these amusing episodes diminished our affection or respect for our unconventional colleague. Still it was something of a surprise to me that Dr. Rhoads who was chairman at the time decided to appoint Bugs Lehr as Chief of the Plastic Division. There were other candidates with more seniority, more national recognition and more conventional leadership style. But in retrospect I now realize that Dr. Rhoads knew what he was doing. The comedic aspect I saw was only part of Bugs' persona. The other part was that of a serious and productive academic surgeon and an imaginative surgeon-scientist.

In writing an obituary of Bugs Dr. Fitts praised him for his accomplishments as Chief of the Plastic Division. Fitts noted that even while carrying a large practice in cancer, trauma, reconstructive and cosmetic aspects of plastic surgery Bugs made time for

(continued on page 3)

Jonathan E. Rhoads Gold Medal

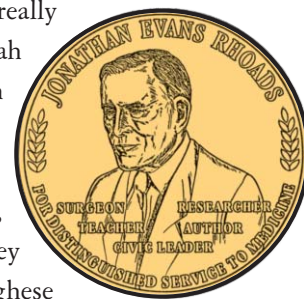
On October 25, 2018 the Jonathan E. Rhoads gold medal and lecture was given at HUP by Timothy R Billiar, Chairman of the Department of Surgery at the University of Pittsburgh. He spoke on immunological consequences of trauma and burns. Dr. Billiar's laboratory has been continuously funded for the last 29 years for studies in this area and also on function and regulation of inducible nitric acid synthase. Among a few marks of his distinguished career are the past presidency of the Society of University Surgeons, the Medallion for Scientific Achievement of the American Surgical Association and membership in the National Academy of Medicine.

Dr. Billiar was the 18th awardee for this distinguished prize and lectureship. It was endowed by Dr. Rhoads' friend Herman Goldstine, a member of the team at the University of Pennsylvania that invented ENIAC, the first digital computer. Dr.



Timothy Billiar, MD

Goldstine prescribed that responsibility for selecting and hosting the speaker would rotate between the American Philosophical Society, the College of Physicians of Philadelphia and the University of Pennsylvania Department of surgery, three of the organizations that had been headed by Dr. Rhoads. Prize winners were to be chosen from any of a wide range of disciplines on the basis of their service to medicine. The first prize was given in 1997 by US Senator from Kansas Nancy Kassebaum Baker for her important role in healthcare legislation. Since then the prize has been awarded and the lecture given by Nobel, Lasker and Pulitzer Prize winners, heads of NIH and NCI and other leaders in medicine. The lineup of recipient names is really quite impressive: Frances Moore, Judah Folkman, Michael DeBakey, Joseph Murray, Tom Starzl, Scott Jones, Elias Zerhouni, Clyde Barker, Aaron Beck, John Niederhuber, Sherwin Nuland, Larry Altman, Anne Schuchat, Jeffrey Gordon, Paul Offit, Abraham Verghese and Timothy Billiar.



From the Editor *(continued from page 2)*

research and to excel in mentoring young surgeons. Fitts emphasized Bugs' ability to attract the best general surgery residents into his fellowship in plastic surgery. He then inspired them to do research and to attain leadership positions in academic plastic surgery. A few examples are Linton Whitaker, Barry Noone and Don Larossa. Fitts also rated the faculty recruited by Bugs with the finest anywhere in plastic surgery.

To Starzl and Shumway Bugs' obstinate persistence in freezing kidneys and his vision of banking them for future use may have seemed ridiculously unrealistic. But they would have been surprised to read the scholarly publication that Bugs based on his talk at the APS symposium. Bugs was a genuine pioneer and nationally respected leader in the field of tissue preservation. He had begun this work while a HUP surgery resident. From human cadavers he recovered more than 200 aortic bifurcation specimens. His background as an engineer allowed him to perfect a machine to freeze-dry and preserve this tissue. In a time before availability of prosthetic blood vessel grafts made from Dacron or other plastics more than 100 of Bugs' preserved arteries were used with success in human patients.

From other cadaver donors Bugs developed a frozen skin bank. This skin stored in liquid nitrogen for as long as 2 years

provided useful temporary coverage of burns and large wounds. In other research he evaluated intravenous lipid emulsions for nutrition of patients unable to eat. This project was a precursor of the breakthrough by Dudrick and Rhoads with hyperalimentation. Dr. Rhoads credited Bugs with helping some of his patients to achieve nitrogen balance.

Bugs' frozen kidneys never worked but he was quite successful with other tissues including isolated cells, parathyroid glands, pancreas and intestine. Particularly intriguing were his experiments with Ron Berggren, Ralph Hamilton, Hazel Holst and other trainees and colleagues in freezing and thawing canine small bowel. After weeks in frozen storage segments of small bowel were used to replace portions of intestine that had been removed. Although the mucosa sloughed it was soon regenerated from crypt cells allowing the grafts to become fully functional with regard to peristalsis and absorption.

The Department is extremely grateful too Dr. Lehr's daughter Margaret and her husband Thomas Whitford for their generosity in endowing this new chair. The Herndon Lehr endowed professorship will help future generations to remember this undeservedly forgotten leader restoring him to the stature by which he should be honored.

Penn Reception at ACS

Penn Surgery was again well represented in the Scientific program of the 2018 Clinical Congress of the American College of Surgeons. Below are the titles and authors of papers given at the Surgical Forum.

The photograph was taken at the traditional reception hosted by our Chairman Ron DeMatteo and well attended by past, present and future Penn surgeons.



Titles and Authors of Papers Given by Penn Students, Residents and Faculty at the 2018 Surgical Forum

Breast

Abundance of Antigen-Presenting Cell Markers Is Associated with Favorable Prognosis in Triple-Negative Breast Cancer
Divyansh Agarwal, MS, Alycia So, Austin D Williams, MD, MEd, Paul J. Zhang, MD, Stacy Ugras, MD, Jean S Campbell, PhD, Lauri D. Aicher, MS, Julia C. Tchou, MD, FACS

Acellular Dermal Matrix Use Increases Morbidity in Implant-Based Breast Reconstruction
Austin D Williams, MD, MEd, Liza C Wu, MD, FACS, Joshua Fosnot, MD, Julia C Tchou, MD, FACS

Utility of Oncotype Dx in Male Breast Cancer Patients and Impact on Chemotherapy Administration A Comparative Study with Female Patients
Christopher M McGreevy, MD, Austin D Williams, MD MEd, Julia C Tchou, MD, FACS, Lucy M De La Cruz, MD

Endocrine Surgery

Impact of Racial Disparities on Surgical Outcomes for Primary Hyperaldosteronism
Victoria M Gershuni, MD, MSGM, Rachel R Kelz, MD, MSCE, FACS, Robert E Roses, MD, FACS, Debbie L Cohen, MD, Scott O Trerotola, MD, Douglas L Fraker, MD, FACS, Heather Wachtel, MD

General Surgery

Can We Predict Incisional Hernia? Development of a Prediction Instrument Using the Health Care Cost and Utilization Project
Irfan A Rhemtulla, MD, MS, Jesse Y Hsu, PhD, Robyn B Broach, PhD, Charles A Messa, Jaclyn T Mauch, Joe M Serletti, MD, Ronald P DeMatteo, MD, John P Fischer, MD

Penn Surgery: Noel Williams, Heather Wachtel, Jash Datta, Seth Concors, Jon Morris, Lindsay Kuo, Andy Newton, Victoria Gershuni, Ron DeMatteo, Jenn Fieber, Elias Chamely, Kim Olthoff, and Rob Swendiman

Prophylactic Mesh Augmentation: Patient Selection, Techniques, and Early Outcomes
Infran A Rhemtulla, MD, MS, Jaclyn T Mauch, Robyn B Broach, PhD, Charles A Messa, John P Fischer, MD

Prospective Validation of the Abdominal Hernia-Q Instrument
Jaclyn T Mauch, Infran A Rhemtulla, MD, MS, Fabiola A Enriquez, Robyn B Broach, PhD, Charles A Messa, Sheri Thrippleton, PA-C, Joe M Serletti, MD, Ronald P DeMatteo, MD, Judy A Shea, PhD, John P Fischer, MD

Health Services Research

Machine Learning Algorithms to Define Combinations of Surgeon Factors Associated with Complication Rates
Jennifer H Fieber, MD, Luke J Keele, PhD, Chris Wirtalla, Phillip Dowzicky, MD, Rachel R Kelz, MD, MSCE, FACS

Readmission Risk Assessment Using Random Forest Modeling in an Acute Care Hospital System
Phillip Dowzicky, MD, Ehab Hanna, MD, Ian Berger, Latesha Colbert-Mack, DNP, ACNP-BC, Chris Wirtalla, Steven E Raper, MD, JD, Richard P Waterman, PhD, Rachel R Kelz, MD, MSCE, FACS

Hepatobiliary and Pancreas

Multimodality Management of Ampullary Carcinoma: Analysis from the Ampullary Carcinoma Study Group
Bret L Ecker, MD, Charles M Vollmer, Jr., MD, FACS, Stephen W Behrman, MD

Plastic and Maxillofacial Surgery

Autologous vs Alloplastic Cranioplasty: Effects on Pediatric Cranial Growth Patterns

Robert T Nevitt, III, MD, Gregory Heuer, MD, PhD, Phillip B Storm, MD, Jesse A Taylor, MD, Scott Bartlett, MD, Phuong D Nguyen, MD

Surgical Education

Qualities and Methods of Highly Effective Surgical Educators: A Grounded Theory Model

Robert A Swendiman, MD, MPP, Daniel I Hoffman, Adrienne N Bruce, MD, Thane A Blinman, MD, FACS, Carol M Chou, MD

Surgical Oncology

Intraoperative Near Infrared Imaging with Second Window Indocyanine Green for Thoracic Malignancies: A Dose De-escalation Trial

Andrew D Newton, MD, Jarrod Predina, MD, Christopher J Corbett, Leilei Xia, MD, Michael H Shin, MS, Lydia G Frenzel Sulyok, Sunil Singhal, MD, FACS

Transplantation and Tissue Engineering

Histone Deacetylase Inhibition Provides Tissue-Specific Protection after Renal and Liver Ischemia Reperfusion Injury

Seth J Concors, MD, David D Aufhauser, Jr., MD, Douglas Murken, MD, Zhonglin Wang, MD, Guanghui Ge, MD, Paul T Hernandez, MD, Wayne W Hancock, MB, BS, PhD, Matthew H Levine, MD, PhD

Trauma

Low-Anticoagulant Heparin Improves Outcomes after Traumatic Brain Injury: Balancing Inflammation Mitigation and Bleeding Potentiation

Syed M Ahmed, MD, Christina L Jacovides, MD, Yujin Suto, MD, PhD, Ryan M Leone, Abigail Roche, Maura T Weber, Victoria E Johnson, MBChB, PhD, Lewis J Kaplan, MD, FACS, FCCM, Douglas H Smith, MD, Jose L Pascual, MD, PhD, FRCSC, FACS, FCCM

Off-Hour Outcomes of Hypotensive Trauma Patients: Weekend Nights Safest In Pennsylvania

Adrian W Ong, MD, FACS, Jacqueline J. Speer, DO, Niels D Martin, MD, Thomas E Wasser, PhD, Patrick K Kim, MD, Amanda McNicholas, CRNP, Forrest B Fernandez, MD

Resuscitation of Blunt Injured, Prehospital Arrest Trauma Patients: An exercise in Futility

Lily Tung, MD, Jennifer Leonard, MD, PhD, Erik J Olson, MD, Niels D Martin, MD, FACS, FCCM, Patrick K Kim, MD, FACS, Patrick M Reilly, MD, FACS, Mark J Seamon, MD, FACS



John Daly, Tom Hamilton, Ron DeMatteo, Clayton Marcinak and Sean Johnson



Heidi Yeh, Kim Olthoff, Pat Bailey, Carla Fisher, Victoria Gershuni, Becky Hoffman, Carrie Sims, Rachel Kelz, Jenn Fieber, Julia Tchou, Katherine McDermott, Lindsay Kuo, and Lucy De La Cruz

Global Surgery at Penn: A Systems-Based International Surgical Elective through the Botswana-UPenn Partnership

Contributed by Ann Gaffey and Grace Lee

For both surgical residents and applicants, there is an increasing interest in international surgical practice that is coupled with a growing need to address the global burden of surgical disease. Penn Surgery has met this challenge and need by designing an elective for senior surgery residents to gain a greater understanding of practicing abroad. Jessica Cintolo-Gonzalez (HUP Chief Resident 2015) described this elective in her publication “An International Surgical Rotation as Systems-Based, Elective: The Botswana - University of Pennsylvania Experience” (*J Surg Educ* 2016 Mar-Apr; 72 (2): 355-9). This rotation focuses on the systems-based aspects of practicing international surgery in lieu of prioritizing case volume and clinical experience. This focus is in line with one of the core competencies of the Accreditation Council for Graduate Medical Education as “an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.”

The Penn Surgery elective is directed by Dr. Georges Azzie. The rotation take place at Princess Marina Hospital (PMH). Dr. Azzie is a pediatric surgeon at the University of Toronto (Penn Adjunct Associate Professor) who has had an ongoing relationship with PMH and other African hospitals for over 20 years. Our elective was first offered in 2010 and since then, 9 HUP surgical residents have rotated at PMH. Residents must have at least completed their third clinical year to be eligible for the elective. Residents who have recently done the elective are Ann Gaffey, Elijah Riddle, and Grace Lee. After completing their rotation residents must submit a reflection piece.

Botswana has universal healthcare and PMH is the main referral and teaching hospital for the country. As a tertiary center, PMH cares for the people of Botswana with a range of surgical diseases including appendicitis, cancers, trauma and manifestations of HIV. Prior to arrival residents are oriented with a lit-

erature review and discussion with Dr. Azzie to establish expectations and reflect on the impact of expatriate involvement in global surgery. Upon arrival in Gaborone, residents are folded into the daily workings of PMH’s Department of Surgery. Residents are involved in morning meetings to review admissions and cases, deliver lectures to the department, teach medical students, round on inpatients, and observe cases. While the emphasis of the rota-



Clerkship medical students rotating on surgery at Princess Marina Hospital, August 2018, includes John Tarpley (far left), Georges Azzie and Alemayehu Bedada (middle, back row), and Grace Lee (middle, front row)

tion is not on operations, residents have participated in a range of cases including laparoscopic cholecystectomies, laparoscopic right hemicolectomies, laparoscopic appendectomies, trauma cases, mastectomies, laparotomies, amputations, and hernia repairs. This affords a chance to learn how common surgical conditions are treated in different venues. Residents are encouraged to identify opportunities and challenges particular to transitioning in this international setting. They perform weekly debriefing meetings with Dr. Azzie. Ultimately, the goal of this elective is to improve exposure and sensitize budding surgeons to the realities of addressing surgical needs in different cultural and resourced contexts.

PMH does not have a surgical residency; however, the department is staffed by medical officers, whose roles and experiences are similar but different from those of surgical residents. As of August 2018, Dr. John Tarpley became the new Head of the Department of Surgery of the University of Botswana. Dr. Tarpley, an established global surgeon was formerly the program director of Vanderbilt’s surgical residency. Under his expertise and mentorship, PMH is working towards developing its own surgical residency. Since creation of this elective, and with growing interest and awareness of the global need for surgeons, faculty and residents have partnered with the Perelman School of Medicine to establish the Penn Global Surgery Group (PSGS). PSGS hosts an annual fall global surgery symposium. Its 4th symposium took place on Saturday, November 17th with Dr. Azzie as a keynote speaker.

Alumni News

Faculty, Residents, Alumni of Penn Surgery
email your news to Clyde Barker
clyde.barker@uphs.upenn.edu

- ◆ **Najjia Mahmoud, MD** became President Elect of the American Board of Colon and Rectal Surgery. Since 2013 has been Chief of the Division of Colon and Rectal Surgery.



- ◆ **Daniel Kreisel, MD, PhD** (HUP Chief Resident 2003) has been named the inaugural G. Alexander Patterson, MD/Mid-America Transplant Distinguished Chair in Lung Transplantation. Pictured below is Dr. Patterson (left) with Dan, who is the surgical director of lung transplantation at Washington University School of Medicine in St. Louis.



- ◆ **Omaida Velazquez, MD** (HUP Chief Resident 1998) was inducted into the Iron Arrow Honor Society the University of Miami's highest honor. Since 2015 she has been the Chair of the DeWitt Daughtry Department of Surgery at the University of Miami and the Surgeon-in-Chief for the University of Miami and Jackson Health System.



- ◆ **Lauren Krumeich, MD (PGY4)** was elected to the Perelman School of Medicine Chapter of the Alpha Omega Alpha medical honor society. This is a special honor since this is the first year the Penn AOA Chapter has elected residents.



- ◆ The Penn Lung Rescue program recently achieved two milestones: its 100th mobile lung rescue transport and its 300th use of blood oxygenation techniques overall. Since 2014 this program transported critically ill patients with acute respiratory failure for lifesaving care at Presbyterian Medical Center.

- ◆ **Josh Bleier, MD** has assumed an expanded leadership role at Pennsylvania Hospital. Effective July 1, 2019 Josh will be the Vice Chair of Surgery and Chair of the CEQI committee. In his role as Vice Chair, Josh will provide mentorship to the residents and students, provide administrative support and along with Dr. Sataloff, develop quality initiatives, and provide leadership in developing new surgical services.



Promotions

- ◆ **Cary Aarons, MD**
Division of Colon and Rectal Surgery -
Promoted to Associate Professor of
Surgery in the Academic Clinician track



- ◆ **Pavan Atluri, MD**
Division of Cardiovascular Surgery -
Promoted to Associate Professor of
Surgery in the Clinician Educator track



- ◆ **Benjamin Chang, MD**
Division of Plastic Surgery -
Promoted to Professor of Surgery
in the Academic Clinician track



- ◆ **Holly Hedrick, MD, FACS**
Division of Pediatric Surgery -
Promoted to Professor of Surgery
in the Clinician Educator track



- ◆ **Dan Holena, MD**
Division of Traumatology, Surgical Critical
Care and Emergency Surgery -
Promoted to Associate Professor of
Surgery in the Clinician Educator track



- ◆ **Suhail Kanchwala, MD**
Division of Plastic Surgery -
Promoted to Associate Professor of
Surgery in the Clinician Educator track



Alumni News *(continued from page 7)*

New Faculty

◆ **Myron Allukian, III, MD** was appointed Assistant Professor in the Division of Pediatric Surgery.
 MD - Dartmouth-Brown Medical School; General Surgery Residency - Hospital of the University of Pennsylvania; Pediatric Surgery Fellowship - Cincinnati Children's Hospital Medical Center.



◆ **Brett Chatman, DPM** was appointed Assistant Professor in the Division of Plastic Surgery (Podiatry).
 DPM - Podiatric Medical School, Temple University School of Podiatric Medicine; Residency - Washington Hospital Center; Fellowship - Hospital of the University of Pennsylvania.



◆ **Julia Glaser, MD** was appointed Assistant Professor in the Division of Vascular Surgery.
 MD - Dartmouth Medical School; General Surgery Residency - Hospital of the University of Pennsylvania.



◆ **Daniel Lee, MD** was appointed Assistant Professor of Urology in Surgery.
 MD - State University of New York at Stony Brook; Residency - New York - Presbyterian/Weill Cornell Medical Center



◆ **Shelly Soni, MD** was appointed an Assistant Professor in Pediatric Surgery, Fetal Diagnosis and Treatment.
 MD - PGIMER, Chandigarh, India; MBBS - Government Medical College, Patiala, India; Residency - Obstetrics and Gynecology - Flushing Hospital Medical Center, New York; Fellowship - Maternal Fetal Medicine - Hofstra-Northwell School of Medicine and Fellowship - Fetal Diagnosis and Treatment - CHOP.



◆ **John Bast, MD** was appointed Assistant Professor in the Division of Plastic Surgery at Penn Medicine Lancaster General Hospital.
 MD - Rutgers New Jersey Medical School; Residency - Cornell; Fellowship - Microsurgery, University of Southern California.



◆ **Christina Paidas Teefey, MD** was appointed Assistant Professor of Pediatric Surgery (Fetal).
 MD - University of South Florida, Morsani College of Medicine; Residency - Obstetrics and Gynecology - University of South Florida, Morsani College of Medicine; Fellowship - Maternal Fetal Medicine, HUP; MS - University of South Florida, Morsani College of Medicine, Tampa.



◆ **Alina Mateo, MD** was appointed Assistant Professor in the Division of Endocrine and Oncologic Surgery.
 MD - Drexel University; Residency - General Surgery - Abington Hospital-Jefferson Health; Fellowship - SSO Breast Oncology, Fox Chase Cancer Center.



◆ **Evan Katzel, MD** was appointed Assistant Professor in the Division of Plastic Surgery at Penn Medicine Princeton.
 MD - University of Rochester; Fellowship - Microsurgery, Plastic Surgery at HUP.



◆ **Jonathan Chen, MD** was appointed Chief of the Division of Cardiothoracic Surgery and the Co-Director of the Cardiac Center at CHOP. He is also the Mortimer J. Buckley Jr. MD Endowed Chair in Pediatric Cardiothoracic Surgery.
 MD - Columbia; Residency - General Surgery, Columbia; Fellow - Cardiothoracic Surgery, Columbia; Advance Fellowship - Mechanical Cardiac Assistance, Columbia; Advanced Fellowship - Congenital Cardiac Surgery, The Morgan Stanley Children's Hospital of New York Presbyterian Hospital.



◆ **Ty Dunn, MD** was appointed Surgical Director, Kidney Transplant Program at HUP.
 MD - University of Minnesota Medical School; MS - University of Illinois (Surgery); General Surgery Residency - University of Illinois; Transplant Surgery Fellowship - University of Minnesota.



Wall of Fame

Contributed by Daniel Dempsey

HUP CHIEF SURGICAL RESIDENTS 2002

The first HUP chief surgical residents to finish during the chairmanship of Larry Kaiser were Todd Bauer, Mark Faries, Sloane Guy, Pat Kim, Eric Lambricht, Ken Liechty, and Allan Stewart. These seven accomplished individuals were the first to be pictured in living color on the wall of fame. While they were finishing their chief residencies in early 2002, Enron chairman Ken Lay resigned (January 24, 2002), Bush 43 characterized Iran, Iraq, and North Korea as an “axis of evil” in his first State of the Union Address (Jan. 29), the New England Patriots beat the St Louis Rams to win the Super Bowl (Feb. 3), Denzel Washington and Halle Berry won best actor/actress Oscars while “A Beautiful Mind” got best picture (Mar. 24), Maryland defeated Indiana to win March Madness (April 1), Jimmy Carter visited Fidel Castro in Cuba (May 12), “The Wire” debuted on HBO (June 2), and Serena beat Venus to win her first French Open (June 8).

Todd Bauer grew up in York, Pennsylvania and attended Penn as a Benjamin Franklin Scholar, graduating cum laude in 1991 with a double major in biology and economics. He was a varsity wrestler and in 1988 won the Harry Fields Award as the outstanding scholar/athlete. During his college summers Todd worked at York Hospital (where his father was a general surgeon), first as a nurse assistant and then as a scrub tech. During medical school at Penn he continued to work as a scrub tech at HUP. While this did not detract from his studies (Todd was elected to AOA), it did confirm his resolve to do a surgical residency for which he was highly recommended. Dr. Linton Whitaker described him as “one of the finest medical students... in 25 years at Penn”. As predicted, Todd excelled as a HUP surgical resident. He did two very productive years in the lab with Drs. Doug Fraker and Brian Czerniecki and after finishing at HUP, Todd did a surgical oncology fellowship and a post-doctoral research fellowship at MD Anderson. Currently Todd is Professor of Surgery and Chief of Surgical Oncology at UVA. His major clinical interest is HPB malignancies and sarcoma. His laboratory is focused on tumor microenvironment in pancreatic cancer. Todd is a member of the Society of University Surgeons, the Society for Surgical Oncology, and the Southern Surgical Association. He recently became President-Elect of the prestigious Society of Clinical Surgery.



Mark Faries graduated from Haverford College in 1991 with a BA in history, then went to Cornell Medical School where he won the prize as the top student in surgery. Mark's father was a surgeon, and Mark (like Todd) also worked as a scrub



tech. He was highly recommended as an outstanding candidate for surgical residency by Drs. John Daly and Jerry DeCosse. He distinguished himself as a very capable surgical resident with an excellent knowledge base (i.e. great ABSITE scores). In Brian Czerniecki lab where he focused on (inter alia) dendritic cell function and cancer vaccines. After his residency at HUP, he did a surgical oncology fellowship at John Wayne Cancer Institute in Santa Monica, California. Mark practices surgical oncology in Los Angeles, and focuses on melanoma and other soft tissue malignancies. He has run numerous clinical trials, and pioneered minimally invasive inguinal lymph node dissection in California where he is the Associate Director of Surgical Oncology experimental therapeutics at Cedars-Sinai. Mark is on the editorial board of the Annals of Surgical Oncology and the ASCO guideline committee for melanoma. He has coauthored 150 manuscripts and book chapters including a first authored paper in NEJM on completion dissection vs. observation in melanoma patients with positive sentinel node biopsy.

Sloane Guy was born in Elkin, North Carolina, and attended Wake Forest University where he played varsity football (wide receiver). He graduated magna cum laude with a BS in Biology and was honored by US Army ROTC as a distinguished military graduate. After two years of medical school at Vanderbilt (where he worked in the lab of future US Senator Dr. Bill Frist), Sloane transferred to Penn Med which allowed him to get an MBA from Wharton in 1992 and an MD in 1994. While in medical school at Penn he worked in the lab of Dr. Hank Edmunds where he was mentored by both Dr. Edmunds and two HUP surgical residents named Gorman. After completing surgical internship at Walter Reed and served two years as a general medical officer at Landstuhl Regional Army Medical Center in Germany. Sloane returned to Penn in 1997 as a HUP surgical resident. He won the Surgical Resident Scholar Award 4 times for his unmatched performance on the ABSITE exam. He also won the Reemtsma award at HUP, and the best research presentation from the Pennsylvania Thoracic Society. After his residency, Sloan did a CT fellowship at Penn. Currently Sloane is Associate Professor of Cardiothoracic Surgery at Cornell and leads the robotic heart surgery program at New York Presbyterian and New York Hospital. Previously he held academic appointments at UCSF and Temple. He attained the rank of Lieutenant Colonel in the US Army and has served 3 tours of active duty in Afghanistan and Iraq. He has been awarded a Bronze Star, Meritorious Service Medal, Combat Service Badge, and Combat Support Badge.



Pat Kim was born in Chicago. He went to college at Brown (AB in Biochemistry and Molecular Biology), and medical school at Duke where he excelled, settling on surgery as his career



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Wall of Fame *(continued from page 9)*

choice. In medical school he worked in the lab with Larry Reed studying tissue oxygen delivery and consumption in shock. Letters of recommendation from Dr. Sabiston and Dr. Pappas describe Pat as an “exceptional” candidate for surgical residency. Pat matched at HUP where he did a great clinical job and spent two years in the Deutschman lab studying shock liver. Then as foreshadowed in his residency personal statement, after completion of the HUP general surgery residency Pat did a critical care fellowship, also at HUP. Naturally he excelled, and was offered a faculty position at Penn where he remains today as Associate Professor of Clinical Surgery, Vice Chief of Trauma, and Trauma Program Medical Director of the Level 1 Trauma Center at Penn Presbyterian Hospital. Pat is a member of more important surgical societies including the American Association for the Surgery of Trauma, the Eastern Association for the Surgery of Trauma, the Society for Critical Care Medicine, and the Shock Society.

Eric Lambricht was born in Ghana while his physician father and RN mother were serving in a missionary hospital. Eric is a magna cum laude graduate of Ursinus College where he triple majored in biology, chemistry, and golf (Academic All American candidate 1991). Eric showed his leadership potential early, serving as president of the Ursinus premed society, vice president of his fraternity, and coordinator for the tutorial program for community students. At Penn Medical School he graduated AOA in 1995 with excellent letters of recommendation for surgical residency, one of which came from Clyde Barker. He matched at HUP, along with Tord Alden, Todd Bauer, Mark Faries, Pat Kim, Dan Kreisel, and Allan Stewart. All but Dr. Alden (who went into neurosurgery) finished the HUP general surgery residency. As a HUP surgical resident, Eric did everything well. He spent two years in the lab with Dr. Steve Albelda and Dr. Larry Kaiser studying gene therapy of thoracic tumors. As chief resident, he won the Leonard D. Miller teaching award. Following his general surgical training, Eric stayed at HUP for a thoracic surgery fellowship. He is now Associate Professor of Thoracic Surgery at Vanderbilt where he is director of the lung transplant program (which has performed close to 500 lung transplants) and chief of thoracic surgery at the Nashville VA Hospital. Eric is a member of the Society for Thoracic Surgery and numerous other academic societies.

Ken Liechty went to college and medical school at the University of Utah. He got his undergraduate degree in biology, cum laude. After medical school, Ken matched at Allegheny (MCP and Hahnemann) in Philadelphia, an up and coming **10** program under chairman of surgery Joel Roslyn. He then



went into the lab for 3 years as a fetal surgery research fellow at CHOP, winning several research awards and publishing numerous papers in good journals such as the Journal of Pediatric Surgery and Cytokine. Unfortunately, as he was finishing in the lab, Allegheny was going bankrupt. Fortunately Ken impressed his CHOP mentors so much that he was accepted into the HUP general surgery residency as a third year resident. To quote from Dr. Barker’s fellowship recommendation, “Ken was an excellent resident” at HUP. Not surprisingly he was accepted at CHOP as a pediatric surgery fellow after completing his general surgery training. After his pediatric surgery fellowship, Ken remained at CHOP as an attending for several years prior to moving to the University of Mississippi (where he won the Golden Achievement Award in Research). He was then recruited to DuPont Children’s Hospital in Orlando as chief of surgery. Currently Ken is Professor of Surgery at University of Colorado, where he holds the Sandy Wolf Chair in Maternal Fetal Medicine and co-directs the Colorado Fetal Care Center. He is also the Director of Pediatric Surgery Basic and Translational Research. He is a member of the Society of University Surgeons, the American Pediatric Surgical Association, and numerous other important academic organizations.

Allan Stewart went to St. Peter’s College in Jersey City, New Jersey and graduated with honors with a BS in Biology. He then went to UMDNJ-New Jersey Medical School in Newark, New Jersey, graduating AOA and highly recommended for surgical training by (inter alia) Drs. Ed Deitch and Ken Swan. As a HUP general surgery resident Allan quickly distinguished himself with his surgical knowledge (consistently over 90th percentile on ABSITE), clinical care, and technical ability. He spent two years in the lab with Drs. Tim Gardner (chief of CT) Lee Sweeney (chair of physiology), winning the American Association of Thoracic Surgery’s C. Walton Lillihei Young Investigator Award, as well as the Vivian Thomas Young Investigator Award from the American Heart Association. After completion of general surgery residency, Allan went to Columbia Presbyterian in New York for cardiothoracic surgery training. He remained on faculty at Columbia for several years where he was part of the team caring for President Bill Clinton and heading the Center for Aortic Surgery. Allan then moved to Mt. Sinai in New York as Director of the Center for Aortic Disease and co-director of the Heart Valve Repair Center. He was also the director of international medicine at Mt. Sinai. Allan became one of the busiest cardiac surgeons in NYC, specializing in aortic surgery and minimally invasive techniques. Recently Allan moved to Miami as chief of cardiac surgery at Miami Cardiac and Vascular Institute, part of Baptist Health South Florida. He is one of the few US surgeons to perform valve sparing aortic root replacement. When not fixing aortas and heart valves, Allan runs marathons and competes in triathlons.



Catching Up With . . . Pat Bailey

Contributed by Jon Morris

Pat graduated from Clark University (B.A.) in 1976 and subsequently received her Medical Degree from the University of Massachusetts Medical School in 1980. Pat then entered the Penn surgical training program for internship (1980 - 1981) and residency (1981 - 1987) during which she took a Clinical Fellowship on the Nutrition Support Service and an NIH post doctoral fellowship in the Harrison Department of Surgical Research (1983 - 1985) work-



Pat in 1987

ing closely with Drs. Jim Mullen and Gordon Buzby.

Pat has had faculty appointments at Temple University School of Medicine (1987 - 1990), Thomas Jefferson University School of Medicine (1990 - 1996), and the University of Pennsylvania School of Medicine.

In 1990 she was appointed attending surgeon at Chestnut Hill Hospital. For many years Pat has distinguished herself as an accomplished surgeon and as an important educator of Penn surgical residents and medical students.

A Conversation with Pat

JoMo: What were the highlights of your training at Penn?

Pat: *The chief year was an amazing experience, allowing me the opportunity to develop the ability to feel confident about decision making and operating room skills.*

JoMo: Which faculty influenced you the most and why?

Pat: *On reflection, it was a rare faculty member who was not supportive of the residents. Leonard Miller was a great mentor as chief on the ward service. Dr. Innouye was a wonderful teacher. Dr. Mackie was the ultimate post-op manager. Of course the intraoperative skills of Dr. Rosato were unparalleled, I heard his voice in my head during challenging times in the operating room for many years. Dr. Mullen made me aware of the need for organizational skills. Gordon Buzby was my mentor in the lab and my friend and mentor for many years.*

JoMo: When you were a junior resident, which Chief Residents had the greatest impact on you and why?

Pat: *At the VA as a second year, Fred Chang gave me my first great experience in the OR. I believe that I learned something from every senior resident who ran a service that I was on, mostly good surgery and patient management, sometimes great and not so great team management.*

JoMo: When you were a Chief Resident, which junior residents impressed you the most and why?

Pat: *My first month as a chief I was on the Rosato service, Steve Fishman was an intern with a mission, no one worked harder. Later in the year on the ward, Becky Witham was a great second in command and Dave Deaton demonstrated his skill as being above and beyond an excellent resident, especially blending into an otherwise all female team, a rare occurrence back then. At Crozer, Aron Wahrman and Don Moyer could always keep the team in good humor.*

JoMo: Tell us what your greatest professional accomplishments have been since graduating Penn.

Pat: *I spent the first three years at Temple working with Dr. Ritchie learning a lot more about GI surgery and taking trauma call. I then went into private practice at Chestnut Hill hospital in north west Philadelphia where I was a general surgeon who morphed into a breast surgeon. I helped to establish and was the medical director of the women's center. I "stopped working", aka retired, in 2017. I have developed an interest in global surgery and wanted to be able to pursue participating in that field.*

JoMo: What do you miss most about Philadelphia?

Pat: *Still here.*

JoMo: Who from your Penn Surgery days do you stay in touch with?

Pat: *My stint on the nutrition support service while in the lab drew me close to Karen and Gordon Buzby, our families were close, and Karen and I are still good friends. I keep in touch with several other members of the team. I worked with Aron Wahrman at Chestnut Hill.*



Pat and husband, Richard, enjoying the Canadian side of Niagara Falls.

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Penn Surgery

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Catching Up With . . . *Pat Bailey* (continued from page 11)

JoMo: Tell us about your current surgical practice, types of cases you are doing, etc.

Pat: *I have volunteered for overseas work. I have traveled to Guatemala several times in the last two years where we performed mostly hernias and gallbladders.*

JoMo: What are your current interests and hobbies outside of medicine?

Pat: *I have two grandchildren. My son is a PhD student in North Carolina and is married with a 3 year old while my daughter and her husband are in the Boston area with a 20 month old. So I travel to visit them as well as going to our vacation house in New Hampshire. I've also become an avid quilter and spend a lot of time walking my dog.*

JoMo: Tell us about your family.

Pat: *My husband Richard Murray recently retired from Merck, but is working on his next career. My daughter, Victoria, is an MSW working at a nonprofit in Boston that mentors foster children. My son Andrew is at UNC in the geography department as a PhD candidate.*

JoMo: What is the last book you read that you would recommend and why?

Pat: *Sing, Unburied, Sing - I believe it was just named One Book, One Philadelphia. Moving and eye opening.*

JoMo: Tell us anything else about you that would be of interest to the Penn Surgery Society alumni.

Pat: *During my career in Philadelphia, I worked with trainees from many other institutions and while each has its strengths, I believe that the time I spent at Penn was exceptional in terms of the depth and breadth, and preparation for my career.*