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Parents' Day

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Trauma at Jefferson

The Lifelong Process of Medical Education

College Birth Certificate Found

Inspiring Physicians to Write

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TRAUMA at Jefferson

by Jerome J. Vernick, M.D. '62

The call came to Jefferson’s Trauma Center shortly after nine o’clock Wednesday morning, March 7, 1990 requesting emergency medical assistance to cope with an accident on the westbound Market-Frankford transit line, with many people reported injured and some feared dead. Joseph A. Zecchardi, M.D., Clinical Associate Professor of Surgery and Director of the Division of Emergency Medicine, and Clinical Associate Professor of Pediatrics and Director of the Children and Youth Program, and Murray J. Cohen, M.D., Clinical Assistant Professor of Surgery and Associate Director of the Division of Trauma, led the team of Jefferson personnel responding to the call for assistance. This writer remained in the Center to supervise the continuing treatment of those injured passengers transported to Jefferson.

Joining a contingent from the Medical College of Pennsylvania in the damp and cold subway tunnel just west of Thirty-third Street Station, the emergency team worked under incredibly difficult conditions to extricate and treat the injured so they could be transported to area hospitals for further care. They were engulfed by darkness and loud noise from rescue tools cutting through metal. There was no facility for sterilization. Emergency leg amputations had to be performed on two severely injured passengers trapped in the crumpled car of the derailed train. But all procedures were accomplished with remarkable efficiency.

Although it is certainly hoped such a disaster will not be repeated, the experience did justify the vision, planning, hard work, and institutional commitment that had culminated in Jefferson’s receiving accreditation in 1986 as one of five Level I trauma centers in Philadelphia. Ours is unique in the city in being associated with the Regional Spinal Cord Injury Center of the Delaware Valley, located at Jefferson, one of

Dr. Vernick is a Clinical Professor of Surgery and Director of the Division of Trauma, and a Clinical Associate Professor of Radiology and Ultrasound at Jefferson Medical College.

Born in Philadelphia, he received a Philadelphia Board of Education Scholarship to the University of Pennsylvania, graduating with a B.A. in 1958. He graduated from Jefferson Medical College in 1962 as a member of the AOA Honor Medical Society. Dr. Vernick interned at Thomas Jefferson University Hospital, followed by a year as a Fellow in surgery at the University of Illinois Hospital for Research and Education, where he gained an M.Sc. in surgery.

Dr. Vernick joined the regular United States Army Medical Corps in 1964 as Assistant Surgeon at the Eleventh Evacuation Hospital in Pusan, Korea. Between 1965 and 1969 he completed his residency at Walter Reed General Hospital, spending a year in a shock trauma unit in Vietnam and serving as Chief Resident during his final year. Following residency, with the rank of Lieutenant Colonel, he served as Chief of Surgery at the Ninety-third Evacuation Hospital in Long Binh, Vietnam, receiving the Bronze Star. Dr. Vernick became certified by the American Board of Surgery in 1970. He was a Research Fellow in biostatistics and experimental pathology at Walter Reed Army Institute of Research in 1970-71.

The following year Dr. Vernick served as Chief of General Surgery at Valley Forge General Hospital in Phoenixville, Pennsylvania. He resigned from the Army Medical Corps in 1972 and was appointed an Assistant Professor of Surgery at the Medical College of Pennsylvania. The next year he returned to Jefferson as a Clinical Assistant Professor of Surgery, rising to the rank of Clinical Associate Professor in 1978 and to that of Clinical Professor in 1984. Presently Dr. Vernick is also Codirector of the Vascular Diagnostic Unit, Director of the Trauma Service at Thomas Jefferson University Hospital, and Chairman of the Hospital’s Emergency Department Committee and of its Disaster Planning Committee.

A Fellow of the American College of Surgeons, Dr. Vernick serves on its Committee on Trauma, and on the faculty of the state Advanced Trauma Life Support program. He is a Fellow of the American Association for the Surgery of Trauma, and a member of the Trauma Care Consortium of Philadelphia, the College of Physicians of Philadelphia, the Academy of Surgeons of Philadelphia, and the Emergency Medical Services Committee of the Philadelphia County Medical Society. He has published and spoken widely in his area of interest.

Dr. Vernick is President-elect of the Jefferson Medical College Alumni Association; he will begin serving in February 1991. He and his wife, Sandra, have two teenage sons.
thirteen federally designated spinal cord injury centers in the country. Jefferson is one of only four of these also to be designated a Level I trauma center.

Developing Interest

Accomplishing this was not easy. It involved a commitment to provide state-of-the-art care at Jefferson for victims of serious trauma, together with the tenacity and organizational skills of many individuals, including Michael J. Bradley, Kevin Hanifan, and Bart T. Murtaugh of the Thomas Jefferson University Hospital administration. Planning began about eight years ago and survived numerous delays and political setbacks.

The concept of establishing standardized trauma centers in this country emerged in the twenty years following World War II with the realization that the escalating volume of seriously injured individuals was not receiving proper medical care. In 1966 the National Research Council forced society to look more closely at trauma care with the publication of a White Paper entitled "Accidental Death and Disability: The Neglected Disease of Modern Society." Many of the victims studied, it alleged, had died unnecessarily.

During this period, paramedics and other emergency medical personnel had hardly any formal training in the principles of triage and in resuscitation techniques, and were of little real help in the on-site treatment and safe transportation of the severely injured. And no standards existed to ensure that hospitals had the correct equipment and personnel instantly available to treat trauma victims.

With this backdrop, the number of deaths from motor vehicle accidents increased to the present unenviable figure of 50 percent of all accidental deaths.

Studies were undertaken to document the relationship between trauma care outcomes and the preparedness of

Jefferson's Trauma Center is unique in Philadelphia in being associated with the Regional Spinal Cord Injury Center of the Delaware Valley, located at Jefferson, one of thirteen federally designated spinal cord injury centers in the country.
Dr. Cohen comforts a victim extricated from the SEPTA transit line wreck.

the treating facility. In a demonstration project in Orange County, California published in 1979, trauma deaths were reduced from an incidence of 30 percent to approximately one percent after a trauma system was developed and hospitals were adequately equipped to treat seriously injured patients. Such studies dispelled the myth that any hospital could provide trauma care.

In 1967 the American College of Surgeons provided the leadership necessary for far-reaching changes. Its Committee on Trauma developed specifications for optimal resources, including personnel and equipment, for care of the injured. These addressed the emergency room, ambulance services, and operating rooms, and defined levels of hospital acceptability ranging from the most sophisticated and demanding at Level I to the least at Level IV. Although modified over the years, these standards have provided the basis for trauma center criteria in every state.

About eight years ago the City of Philadelphia attempted to establish a network of trauma centers accredited according to the ACS standards. The project became bogged down in squabbling and jealousies among hospitals, and was ultimately abandoned.

Efforts were then begun at state legislation of a trauma system. A bill was finally passed in 1985 creating the Pennsylvania Trauma Systems Foundation for the accreditation of trauma centers. This was the agency that accredited Jefferson as a Level I center in 1986.

The Level I Trauma Center

To receive accreditation as a Level I center, an institution is held to very strict criteria. Reflecting the proven fact that care for trauma patients cannot be provided by a single medical specialty, the standards dictate a multidisciplinary approach and speak to the numbers and types of physicians and ancillary health care personnel on site at all times, and those immediately available on call. They place high demands on closely related areas such as neurosurgery.

The standards also speak to resources and equipment, including a lighted, licensed helipad in close proximity to the emergency department, and a transport system to the resuscitation room from the helipad and from the ambulance entrance.

Murray J. Cohen, M.D., Associate Director of the Division of Trauma, is a Clinical Assistant Professor of Surgery at Jefferson Medical College, and Director of the Surgical Intensive Care Unit.

A Philadelphia native, Dr. Cohen received the B.A. from the University of Pennsylvania in 1976 and the M.D. from Temple University School of Medicine in 1981. He interned in general surgery at Albert Einstein Medical Center in Philadelphia. From 1982 to 1986 he was a resident in general surgery at the same institution, receiving the Ablaza Award as the Outstanding Cardiothoracic Resident, and serving as President of the House Staff during his last two years.

In 1986-87 Dr. Cohen was a Fellow in Trauma Surgery at Hartford Hospital in Connecticut. He was made a Diplomate of the American Board of Surgery in 1987 and this year received a Certificate of Added Qualification in Surgical Critical Care. Dr. Cohen became Associate Director of the Trauma Program at Warmister General Hospital in Warminster, Pennsylvania in 1987, and Director of the Program the following year. He came to Jefferson in 1989.

Dr. Cohen has been an instructor in the Advanced Trauma Life Support program of the American College of Surgeons since 1988. He is a member of the American Trauma Society, the Eastern Association for the Surgery of Trauma, and the Pennsylvania State Committee on Trauma of the American College of Surgeons. He has published and spoken widely in his area of interest.
A helicopter lands on the rooftop helipad of Foerderer Pavilion with a trauma patient.

The standards require a commitment by the hospital to provide care to all trauma patients, and call for the hospital to identify mechanisms for monitoring the quality of care provided. In order to maintain skills and proficiency in the care of trauma patients, standards for Level I accreditation stipulate that a minimum number of 650 trauma admissions be recorded yearly, and that research and educational components be maintained within the trauma center. Each participating trauma surgeon must manage at least 50 major trauma cases per year.

Jefferson's Trauma Center is among the busiest in the state, with 719 admissions in 1987, 755 in 1988, and 963 in 1989. The increase in patient volume and the case mix have allowed the Center to become the single rotation needed for the trauma component of the surgical resident education program at Jefferson.

The increase in trauma patient volume and the case mix have allowed the Trauma Center to become the single rotation needed for the trauma component of the surgical resident education program at Jefferson.

Standards for trauma center accreditation are dynamic, not static, and require constant review to reflect new knowledge. Accreditation can be withdrawn from an institution if it fails to meet them.

Components

A Level I Trauma Center is not just a corner in an emergency room, but rather a concept that crosses every boundary in a large medical center. Central to Jefferson's team are the attending and resident physicians dedicated to trauma care, and members of the Division of Emergency Medicine and the Division of Trauma of the Department of Surgery.

Murray J. Cohen, M.D. is the attending in the trenches who provides close, hands-on patient care and resident teaching. The Trauma Center's statistics have always been impressive, but Murray's hard work has moved us up with the top few among accredited centers in the state.

Vincent T. Armenti, M.D. '82, Ph.D., who will join the team this summer following a two-year transplantation fellowship, will bring an extensive background in critical care medicine. He will manage collaborative research with Allan M. Lefer, Ph.D., Professor and Chairman of Physiology, and other avenues of research now possible because of the patient volume. Dr. Armenti plans to apply his expertise in immunology to research on immune mediators in Respiratory Distress Syndrome.

Taking trauma call on a regular basis are James E. Colberg, M.D., Associate Professor of Surgery, R. Anthony Carabasi III, M.D. '77, Associate Professor of Surgery and Associate Professor of Radiology, and Pauline K. Park, M.D. '82, Instructor in Surgery. Bruce E. Jarrell, M.D. '73, Professor of Surgery and Director of the Division of Transplantation Surgery, Michael J. Moritz, M.D., Assistant Professor of Surgery, and Diane R. Gillum, M.D. '81, Instructor in Surgery, cover trauma on a limited basis because of heavy commitments to the Division of Transplantation Surgery.

Two-thirds of Jefferson's trauma admissions are transferred to neurosurgery or to orthopaedics after their initial care. Jewell L. Osterholm, M.D., Professor and Chairman of Neurosurgery, Bruce E. Northrup, M.D., Clinical Associate Professor of Neurosurgery, Jerome M. Cotler, M.D. '52, Professor of Orthopaedic Surgery, and Eric L. Hume, M.D., Assistant Professor of Orthopaedic Surgery, are key participants.

As the Regional Spinal Cord Injury Center of the Delaware Valley, Jefferson accesses approximately 170 spinal cord injury patients per year. Many of these have multisystem trauma. John F. Ditunno, Jr., M.D., The Jessie B. Michie Professor of Rehabilitation Medicine and Chairman of the Department, has worked closely with the trauma staff to establish cohesive care for spinal cord injury patients from arrival through rehabilitation.

In order to ensure coordination of services for the trauma patient, members of the following additional specialties participate actively on the trauma team: cardiac surgery, thoracic surgery, plastic surgery, dental surgery, ophthalmology, otorhinolaryngology, urology, pediatrics, and anesthesiology.

Dr. Vernick (left) repairs a stab wound to the heart, assisted by fourth-year resident Gary Szydlowski, M.D. (center right).
Strong Support

As competent as the physician component of the Trauma Center may be, what really holds it together and keeps it functioning efficiently is its supporting staff.

Therese S. Richmond, R.N., M.S.N., recruited from the neurosensory intensive care unit, was Jefferson's first Trauma Nurse Coordinator. She brought a high level of academic achievement which caught the attention of the national nursing community. Ms. Richmond was instrumental in laying the foundation for the JeffSTAT transport program and the Life is Fragile outreach program, and in obtaining trauma center accreditation. She now works part-time as a trauma specialist consultant in the Trauma Division of the Department of Surgery and serves on the board of the American Association of Critical Care Nurses.

Ms. Richmond was succeeded as Trauma Nurse Coordinator by Eleanor M. Gates, R.N., M.S.N., who also came to the Center from the neurosensory intensive care unit. Daily rounds by the Nurse Coordinator are the key to our quality assurance program, which is essential for continued accreditation. In addition, the Nurse Coordinator supervises the operation of the administrative office, prepares policies and documents for accreditation, keeps track of the 80 to 110 patients per month admitted to the trauma service, and provides the continued liaison with all components of the hospital vital to the functioning of a trauma center.

Kathleen D. Walker, R.N. was recruited from the University of Pennsylvania eight years ago to start a Jefferson Trauma Registry. A nationwide, federally funded project, the Major Trauma Outcome Study, had just been initiated and was enlisting members. This afforded us an opportunity to acquire statistical expertise and a national data base with which to compare our results. The accumulated patient data would also give us a track record which would enable us to obtain accreditation as a trauma center. During its first year of operation, the Registry accessed 70 patients; now it accesses well over 70 each month. Ms. Walker currently is Data and Research Coordinator for the Trauma Center.

Patricia R. Walsh, R.N., M.S.N. was appointed Trauma Education Coordinator, and is now assisted by Jeanne W. McAllister, B.S., R.N. The Life is Fragile program has been presented to over 50,000 public school students so far, as well as to employees of regional industries and municipalities.

Grace M. Hershman and Virginia Z. Dykie run the trauma administrative office. Ms. Hershman also publishes the Philadelphia Trauma Directors’ newsletter and coordinates the organization’s activities. In addition, she coordinates the Advanced Trauma Life Support program administered by the American College of Surgeons, which is provided at Jefferson for the departments of surgery, orthopaedics, neurosurgery, oral surgery, emergency medicine, and anesthesia. Jefferson is the first institution in Pennsylvania to require ATLS training for its surgical house staff prior to their clinical exposure during the first postgraduate year.

Jefferson is the first institution in Pennsylvania to require Advanced Trauma Life Support training for its surgical house staff prior to their clinical exposure during the first postgraduate year.

Room for Action

Dedicated space for resuscitation and supportive treatment of the severely injured is essential to a trauma center. Early in the planning stage it became apparent that the space Jefferson had long used for emergency treatment of trauma patients was not only insufficient in size but woefully inadequate in
design. For years the emergency room was located on the second floor of the Curtis Clinic, with access from street level by stairs or by an elevator that was agonizingly slow. Poor access for ambulances and police vehicles discouraged most of the individuals responsible for transporting the injured from bringing them to Jefferson.

Shortly before Dr. Zeccardi was recruited to head the new Division of Emergency Medicine, a new emergency room was built on the ground level of Main Building; it became the first home of that Division. These quarters, while markedly improving capabilities, continued to suffer from patient access problems, particularly vehicular access. The Trauma Center planners realized that better physical facilities would have to be provided if Jefferson was to have any hope of functioning as a Level I Trauma Center.

This gave birth to the Patient Access to the Clinical Environment (PACE) project, comprising new quarters on the first floor of Main Building and Thompson Annex for the Division of Emergency Medicine and the Trauma Center. Construction began in July 1988 and will finish this summer. During construction the former emergency room on the ground floor of Main had to be abandoned and a temporary emergency room provided on the ground level of Foerderer Pavilion.

The PACE project will provide Jefferson with an outstanding facility. An emergency operating room will be equipped for the performance of any surgery too urgent to await transport to one of the regular hospital operating rooms. New elevators will move patients quickly from the rooftop helipad to the emergency area. Ambulance access will be much improved by a new drive-through behind the Tenth Street facade of the Main Building. Call rooms and an office in the emergency area will allow members of the trauma team to stay in the facility so as to be immediately available when needed. The only items lacking will be on-site computed tomography scanning, and a parking space for the on-call attending trauma surgeon.

**Data Collection**

The Trauma Registry will allow, over time, the collection of clinical and research data to be used in the design of research studies bearing on trauma and critical care medicine.

**The Trauma Registry will allow, over time, the collection of clinical and research data to be used in the design of research studies bearing on trauma and critical care medicine.**

Case records of all treated patients are abstracted by Ms. Walker. The data is entered into the Center's Registry and also submitted to registries maintained by the state and nationally. Patient outcomes at Jefferson are compared statistically to computer-generated expected outcomes, and to the performance of other centers in Pennsylvania. This is used externally to rank Jefferson on a quarterly basis, and internally to try to improve our outcomes.

Educational efforts of the Trauma Center to date include lectures and presentations on surgery and nursing to groups at Jefferson and in the region, a sophomore seminar for medical students, weekly clinical mortality and morbidity conferences, and a monthly multidisciplinary conference attended by members of all departments actively involved in the care of trauma patients.

**A Case**

The emergency medical care recently received by a 40-year-old male pedestrian who had been hit by a car in South Philadelphia illustrates how the trauma system functions at Jefferson.

The patient was initially taken to Methodist Hospital by a fire-rescue basic unit vehicle. Basic units do not have paramedics and can perform only cardiopulmonary resuscitation, not intravenous or airway procedures.

The excellent emergency room staff at Methodist determined that the patient exhibited an impaired level of consciousness, hypotension, unilateral absent breath sounds, a distended abdomen, assorted abrasions and contusions, and no lower extremity reflexes or movement. They inserted an endotracheal tube, a chest tube, and two intravenous lines, and saw a positive response in vital signs.

*Dr. Vernick (right) and Dr. Cohen review a floor plan in the newly completed trauma bays of the PACE project.*
Recognizing that the patient required services of a Level I Trauma Center, the Methodist Hospital physicians notified Jefferson’s JeffSTAT emergency transport team. The JeffSTAT vehicle is a mobile intensive care unit manned by a critical care nurse, a paramedic, and an emergency medical technician driver. As the patient was transported to Thomas Jefferson University Hospital, the crew continued advanced life support measures, communicated by radio with the emergency room, and arranged for the trauma response team to be in the emergency room on their arrival.

A major Trauma Code requires a two-minute response by the in-house PGY 4 or PGY 5 trauma surgery resident, a junior surgery resident, the anesthesia and respiratory services, and a nursing supervisor. The operating room and the blood bank were alerted and an attending surgeon was called in.

The trauma resident and the emergency room attending surgeon assessed the patient and determined that neurosurgery and the spinal cord injury team were required because of the patient’s decreased level of consciousness and probable lower-extremity paralysis. These teams have a 15-minute response time but usually respond in five.

Requested blood arrived via pneumatic tube and was infused. The emergency room X-ray technician took films of the cervical spine, chest, pelvis, and both legs, which were swollen and deformed. Under the direction of the senior trauma team member, a diagnostic peritoneal lavage was performed and gross blood obtained from the abdominal cavity.

Because of continuing hypotension and intra-abdominal hemorrhage, the patient was taken to a hospital operating room that is always held open for trauma patients, where the trauma resident and the attending surgeon rapidly removed a ruptured spleen, and sutured and drained a liver laceration. Approximately 20 to 30 minutes had elapsed from the patient’s arrival at Jefferson to his arrival in the operating room. (The operating room in the emergency area, which the PACE project will provide, will save additional time.)

With the life-threatening abdominal injuries treated, attention turned to the head injury causing decreased consciousness. Additionally, the initial chest X-ray was interpreted as showing a widened mediastinum indicating a possible aortic disruption. This patient, like the vast majority of trauma patients, required a computed tomography scanner for diagnosis. The patient was moved, still under anesthesia, to the CT area for head and thorax examination. The CT scan of the head showed no evidence of subdural or epidural hematoma, so no need for urgent neurosurgical intervention was determined. The thoracic CT scan showed the aorta to be intact; had the scan been equivocal the interventional radiologist would have obtained an emergency aortogram. The mediastinal widening had resulted from a hematoma associated with a burst fracture of T6.

Back in the operating room the orthopaedists applied external fixators to closed distal femur and tibial fractures. The patient was then transferred to the neurosensory intensive care unit where the spinal cord injury team of rehabilitation medicine specialists, neurosurgeons, and orthopaedists reassessed the closed head injury and began the care of the spinal cord injury.

Meanwhile, the patient’s family in Scranton, Pennsylvania was notified of the accident, and arrangements were made for their trip to Jefferson. The Trauma Center’s social worker and a representative from Patient Services met them on arrival. The doctors and nurses explained the patient’s injuries and treatment. Accommodations were arranged for the family in the Martin Building. Social workers from the Trauma Center and the Spinal Cord Injury Center held several meetings with the family over the next few weeks to counsel them and to assemble the information needed for the patient’s eventual transfer to a rehabilitation facility.

Treatment at Jefferson required contributions from nearly every department. Neuropsychiatry evaluated the damage caused by the head injury, and followed the gradual recovery. Nutritional support specialists assessed caloric needs and recommended dietary adjustments. Later, the orthopaedic service returned the patient to the operating room for surgical stabilization of the spine and additional fracture treatment.

The patient was evaluated on rounds by the trauma team, all his medical consultants, the anesthesia and surgical critical care units, and allied health support services. Along with those of all other trauma admissions, his injuries and treatment were discussed at the weekly management conference attended by involved physicians, nurses, and ancillary services. Quality assurance personnel reviewed his medical record for evidence of deviations from strict standards of care. Deviations, if any, were discussed in a weekly mortality and morbidity conference and corrective measures were taken.

When the acute treatment phase had been completed, the patient was transferred to Magee Rehabilitation Hospital for treatment concentrating on return of function. The final step at Jefferson was to abstract the patient’s medical record for inclusion in Jefferson’s Trauma Registry and for submission to the state and national registries.

The opening of new facilities for the Level I Trauma Center marks the beginning of a new era in Jefferson’s commitment to provide the best care possible for victims of severe trauma. The institution, the planners, and those who provide care deserve our thanks and congratulations for bringing this initiative to a high degree of accomplishment.

Dr. Vernick (right) and fourth-year resident Gary Szydlowski, M.D., after suturing the heart of a stab wound victim, perform the final hemostasis preparatory to closing.
If the licence to practise [medicine] meant the completion of his education how sad it would be for the practitioner, how distressing to his patients! More clearly than any other the physician should illustrate the truth of Plato's saying that education is a lifelong process. The training of the medical school gives a man his direction, points him the way and furnishes him a chart, fairly incomplete, for the voyage, but nothing more.¹

Sir William Osler

When the fourth-year students of Jefferson Medical College march down the aisle of the Academy of Music in commencement exercises each June, they tend to view the event as the end of a large part of their learning. More accurately, these young men and women are embarking on a lifetime of education as they leave the Academy of Music.

The concept of lifelong learning underlies continuing medical education, which officially begins at the completion of residency education. It has been formally structured for less than 30 years, but the idea is hardly new. One has only to review the advances in medicine over the last century to know that physicians are continually learning.

As defined by the American Medical Association, CME consists of educational activities which serve to maintain, develop, or increase the knowledge, skills, and professional performance and relationships that a physician uses to provide services for patients, the public, or the profession. The content of CME is that body of knowledge and skills generally recognized and accepted by the profession as within the basic medical sciences, the discipline of clinical medicine, and the provision of health care to the public.²

The specific content is, for the most part, left up to the individual physician. "While some physicians will use CME programs which have qualified for Category 1 credit as a mechanism for keeping up-to-date in areas adjacent to their own disciplines, physicians as a rule use their own practices as the basis for developing their programs of CME," according to O. Dhoodand Kowlessar, M.D., Professor of Medicine and Associate Chairman for Educational Programs, and a member of Jefferson's CME Advisory Committee.

Origins

At the beginning of the century, undergraduate education was the major organizational focus of medical education. Efforts such as the CME "National" Program Model, first proposed in 1907 by a Kentucky county medical society, were unsuccessful. In 1927, the University of Michigan Medical School established a Department of Postgraduate Medicine to help address the needs of physicians in Michigan. The early thirties saw three medical schools attempting to initiate regional programs. In 1947, the American Academy of General Practice, now the American Academy of Family Practice, was organized, and the constitution it adopted required for membership at least 50 hours of CME courses and meetings and 100 hours of informal education, every three years.

In the 1950s, the American Medical Association began its involvement in CME, and in 1961 the AMA Committee on CME was formed. It conducted an accreditation feasibility study, and in 1964 published a formal plan for the accreditation of CME.

Oregon's was the first state medical society to require CME for membership (in 1968), and in 1969 the American Board of Family Practice became the first specialty society to include CME as part of recertification requirements. Today, nine state medical societies and six medical specialty societies require CME for membership. In addition, 29 states and territories have legislated CME requirements for relicensure, although only 23 have established active programs.

Accreditation Council for Continuing Medical Education

CME has been formally accredited at the national level since 1967, when the American Medical Association's Council on Medical Education initiated oversight. Various iterations over the years resulted in the formation of the Accreditation Council for Continuing Medical Education (ACCME) in 1981. The ACCME is made up of representatives from seven organizations: the American Medical Association, the Association for Hospital Medical Education, the American Board of Medical Specialties, the American Hospital Association, the Council of Medical Specialty Societies, the Association of American Medical Colleges, and the Federation of State Medical Boards. In addition, two individuals sit on the ACCME representing the public and federal sectors. Approximately 500 organizations at the national and regional levels are accredited by the ACCME.

Accreditation is a voluntary process, and it is important to note that it is the sponsor, not the individual activity, that is accredited. It is the role of the accredited sponsor to designate an activity as meeting the criteria for Category 1 credit. Jefferson Medical College is accredited by the ACCME to sponsor CME for Category 1 credit, and recently Jefferson's program underwent an extensive resurvey by the ACCME Review Committee. As a result, Jefferson was reaccredited for a period of four years, the maximum term. Jefferson's program enjoys the distinction of having received the maximum term of accreditation on each of its reviews by national agencies with oversight for CME.

Physician's Recognition Award

Since its establishment in 1968, the Physician's Recognition Award (PRA) of the American Medical Association has set the pace for CME. The PRA is a voluntary system designed to encourage physician participation in CME activities. Currently, 11 states accept it for licensure/relicensure.

The PRA divides CME activities into two categories, Category 1 and Category 2. Category 1 activities are planned and evaluated in terms of documented physician educational needs and learning objectives, and are designated by an accredited sponsor as meeting those criteria. Category 2

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activities are learning experiences which either do not meet the criteria for Category 1 or have not been designated Category 1 by an accredited sponsor. Learning experiences in Category 2 may include lectures, seminars, medical teaching, articles, publications, books, exhibits, and unsupervised individual CME activities such as self-instruction, consultation, patient care review, and self-assessment.

Recent Changes in Category 1 Credit

Over the past 20 years, there have been a number of changes in the definition of Category 1 and in what accredited sponsors must do in order to designate a program as meeting the criteria for Category 1 credit. The most recent attempt to regulate the award of credit came in the form of "Essentials of CME" which were developed by the ACCME and published in 1984. All accredited sponsors must conform to the Essentials, and over the past eighteen months, ACCME interpretation of the Essentials has become more stringent. The Essentials require that an accredited sponsor (1) have established procedures for identifying and analyzing continuing medical educational needs and interests of prospective participants, (2) have explicit objectives for each activity, (3) design and implement activities consistent in content and in method with the stated objectives, and (4) evaluate the effectiveness of its overall CME program and of the component activities and use this information in its CME planning. The Essentials delineate a cyclical process whereby objectives are developed to meet educational needs, the program is designed to facilitate attainment of the objectives, the program is evaluated to determine whether the objectives were met and to reassess needs, and the cycle begins again.

The greatest problem for most sponsors of CME is establishment of the educational need for a program. Recent ACCME interpretations of this Essential obligate the sponsor to provide documentation. It is no longer acceptable to award Category 1 credit to a program developed simply because an organization wanted to put it on, or with need based solely upon the perception of the program director or faculty.

Documentation of educational need can be accomplished with, to name a few examples, an audit of patient records, a peer review, a survey of a target audience, or past program evaluations, and need not be expensive or extensive. R. Anthony Carabasa III, M.D. '71, Associate Professor of Surgery and Associate Professor of Radiology, and a member of the CME Advisory Committee, explains that "program directors knowledgeable about the new requirements usually have no problem coming up with documentation of educational need. In formal and informal dialogs with the CME Advisory Committee and/or Office of CME, many find that they have been developing their programs based on documented needs all along, but just have never pulled the documentation together in such a way that it could be presented with the application for Category 1 credit."

For programs which for any reason do not qualify for Category 1 credit, such as case management conferences or audits of patient care, Category 2 credit is always an option. Unfortunately, many physicians mistakenly view it as less worthy than Category 1. "Physicians always look for Category 1 credit when they attend educational programs. Category 2 credit is just as important and valid as Category 1, and Category 2 programs offer excellent learning experiences. The difference is that Category 2 programs do not adhere to the process laid out by the ACCME for Category 1," says Jeffrey C. Weiss, M.D. '71, Clinical Professor of Pediatrics and Director of the Division of General Pediatrics, and a member of the CME Advisory Committee.

Establishment at Jefferson

CME at Jefferson has enjoyed the support of the alumni, faculty, and administration for many years. Through the efforts of John H. Killough, M.D., Ph.D., Jefferson was actively involved in CME long before it became a recognized component of the continuum of medical education. Jefferson's program of CME assumed a formal structure in 1963, and was first accredited in 1969.

Informally, Dr. Killough regularly responded to requests for Jefferson faculty to provide hospital education programs in community hospitals and other medical organizations in the mid-Atlantic region. These requests were frequently initiated by Jefferson alumni who were members of the medical staffs at the requesting institutions.

More formally, Jefferson assumed increased responsibility for community physician education in terms of its affiliated hospitals and community hospitals. In 1963, Jefferson entered into an agreement with The Pennsylvania State University to provide outreach CME programs throughout Pennsylvania. This agreement lasted until 1973, when Penn State established its own medical school in Hershey. Many of the community hospitals served under this agreement elected to maintain their
relationship with Jefferson, and to this day still participate in the visiting professor series organized annually by Jefferson's Office of CME.

Jefferson Medical College has served as the medical college for the State of Delaware since 1970. Under this agreement, known as the DIMER program, a specified number of spaces in each class are allocated to qualified Delaware residents. The agreement primarily covers undergraduate medical education; however, it has been a priority since the inception of the agreement to extend Jefferson's mission to include CME. To that end, a relationship was initiated between Jefferson Medical College, the University of Delaware, and the Medical Society of Delaware that continues today.

Many Jefferson alumni and faculty remember Dr. Killough and his CME successor, Robert C. Mackowiak, M.D. '64, for their many contributions to CME at Jefferson. "These men laid the foundation for the program that Jefferson has in place today. The rules of the game have changed through the years, particularly as the requirements for accreditation have increased, but the fundamental concern for the education of our faculty and the practicing physicians in the surrounding communities has remained a top priority for Jefferson Medical College," says Joseph S. Gonnella, M.D., Senior Vice-President, and Dean of the College.

Today

CME at Jefferson is a multifaceted effort designed to serve the needs of Jefferson alumni and faculty, and physicians in the geographical areas served by Jefferson Medical College and its affiliated hospitals. Activities take the form of grand rounds and other regularly scheduled series, programs and symposia offered on an occasional basis, visiting professor outreach projects to community hospitals in Pennsylvania, Delaware, and New Jersey, and self-instructional programs which participants complete in their local settings.

Jefferson's CME activities are coordinated through the Office of CME, which operates out of the office of the Dean of the Medical College. The staff work closely with Jefferson faculty based at Jefferson and at affiliated hospitals, with physicians at the community hospitals served by the visiting professor series, and with organizations in Delaware, on the development of activities. Services provided by the Office of CME range from the awarding of Category 1 credit to complete program coordination.

A CME Advisory Committee was formed in January 1987 to provide input from the clinical departments. It meets regularly during the academic year to discuss issues, to establish policy, and to review applications for the awarding of Category 1 credit. The Committee is composed of the following faculty: Robert S. Blacklow, M.D., Professor of Medicine and Senior Associate Dean; R. Anthony Carabasi III, M.D. '77, Associate Professor of Surgery and Associate Professor of Radiology; Karl Doghramji, M.D. '80, Assistant Professor of Psychiatry and Human Behavior; Carla E. Goepp, M.D., Clinical Professor of Medicine and Associate Dean for Student Affairs, Student Counseling, and Career Planning; Barry B. Goldberg, M.D., Professor of Radiology and Director of the Division of Ultrasound; Alvin F. Goldfarb, M.D., Professor of Obstetrics and Gynecology; Eric L. Hume, M.D., Assistant Professor of Orthopaedic Surgery; Mery Kostianovsky, M.D., Associate Professor of Pathology and Cell Biology; O. Dhodanand Kowlussar, M.D., Professor of Medicine and Associate Chairman for Educational Programs; Patricio F. Reyes, M.D., Associate Professor of Neurology and Assistant Professor of Pathology and Cell Biology; Michael P. Rosenthal, M.D., Clinical Assistant Professor of Family Medicine and Instructor in Medicine; and Jeffrey C. Weiss, M.D. '71, Clinical Professor of Pediatrics and Director of the Division of General Pediatrics.

Delaware

The Office of CME works closely with the Medical Society of Delaware on the development of a wide variety of projects designed to meet the educational needs of physicians in the state. A major outreach effort cosponsored with the Medical Society of Delaware brings faculty based either at Jefferson or at its major affiliate, the Medical Center of Delaware, to five community hospitals in southern Delaware on a monthly basis for nine months of the year. The activities are developed in concert with each hospital's director of medical education to meet the educational needs of the particular medical staff. In addition, many Delaware programs are initiated on an ad hoc basis, involving Jefferson faculty in the planning and development stages, and frequently in implementation. Often these are cosponsored with other community organizations.

Jefferson has worked with the University of Delaware over the years on numerous programs, but the most widely recognized is the Eastern Shore Medical Symposium. It is held each June in Rehoboth Beach, Delaware, and 1990 will be its thirteenth year. The Symposium is designed primarily for family practitioners, but draws a large number of specialists as well. It meets for half-days for one week under the direction of Paul C. Brucker, M.D., Alumni Professor and Chairman of Family Medicine, and President-elect of Thomas Jefferson University, and James F. Burke, Jr., M.D. '66, Clinical Professor of Medicine.

Alumni

During the 1988–89 academic year, several Jefferson alumni served as directors of CME programs sponsored by Jefferson: James F. Burke, Jr., M.D. '66; Herbert E. Cohn, M.D. '55, Professor of Surgery; Geno J. Merli, M.D. '75, Clinical Associate Professor of Medicine and Director of the Division of Internal Medicine, and Clinical Associate Professor of Rehabilitation Medicine; Donald L. Myers, M.D. '75, Assistant Professor of Neurosurgery and Instructor in Radiology; and Howard H. Weitz, M.D. '78, Clinical Associate Professor of Medicine. Alumni frequently register for Jefferson-sponsored programs. The Eastern Shore Medical Symposium has become an annual attraction, in part because of the camaraderie of Jefferson faculty and fellow alumni.

The directors of the Office of CME and of the Alumni Association meet regularly to discuss ways in which we can work together to serve the educational needs of alumni. Suggestions are always welcome, and may be directed either to this writer or to Mary B. Monteith, Executive Director of the Alumni Association. We look forward to strengthening the relationship between the alumni and CME, and to the continued support of the alumni as we take CME at Jefferson into the 1990s.


JEFFERSON ALUMNI BULLETIN SPRING 1990 11
Jefferson History by Frederick B. Wagner, Jr., M.D. '41

COLLEGE BIRTH CERTIFICATE FOUND

"This certifies that the Trustees of Jefferson College in the State of Pennsylvania did at their session in June 1824 establish a Medical School in connexion with and as a part of the Institution of which they the said Trustees are the legal Guardians and Directors: That they did at the same time determine that the Medical School so by them established should be located in the City of Philadelphia and did appoint George McClellan M.D. their Professor of Anatomy and Surgery in the school aforesaid.

"Given under my hand in Philadelphia Oct. 30. 1824.

"Mathew Brown. P.T.C."

Thus reads Jefferson's birth certificate, the very existence or authenticity of which, until its recent discovery, was shrouded in mystery. The fascinating details are of multiple frustrations and of the reward of a relentless search. It all began about ten years ago.

Toward the end of the 1970s this writer became interested in the life and accomplishments of Samuel D. Gross, M.D. 1828, Jefferson's most revered alumnus. The late Nancy S. Groseclose, Executive Director of the Alumni Association, advised him that Edward E. Harnagel, M.D. '43 of Los Angeles shared this interest. The latter kindly allowed the duplication of some slides he had gathered for a talk on Gross. One showed what appeared to be the original certification of the establishment of Jefferson Medical College. At the time this somewhat extraneous slide was taken for granted. The mystery of its origin would not become apparent until some years later.

In 1984 this writer began serious work on a history of Thomas Jefferson University. In a chapter on the founding of the Medical College by George McClellan, M.D. it was pertinent to quote the wording on the slide. We realized then that the original document was not on hand.

It must be recalled that when

Jefferson Medical College was founded it was without a charter of its own. Dr. McClellan's efforts to obtain one for a second medical school in Philadelphia had been thwarted in the state legislature by the University of Pennsylvania and by other outside influences. In a unique strategy he and three colleagues petitioned the Trustees of Jefferson College in Canonsburg, Pennsylvania on June 2, 1824 to allow the formation of a Medical Department under its charter. This is how Jefferson Medical College was born and obtained its name. Thomas Jefferson, alive at the time, knew of his namesake college in Canonsburg but not of the medical school in Philadelphia.

The document of October 30, 1824 in Dr. Harnagel's slide thus would have been not a charter but a birth certificate. But its authenticity was in doubt.

George M. Gould, M.D. 1888, in The Jefferson Medical College of Philadelphia (1904), quoted much of the salient correspondence regarding the founding of Jefferson Medical College, but did not include a certificate of establishment. Unfortunately, Dr. Harnagel could not recall how he had obtained the slide. Since the document could not be located in Jefferson's archives, he suggested the Historical Society of Pennsylvania, the College of Physicians of Philadelphia, and the Library Company of Philadelphia as possible repositories. These sources drew a blank.

Consultation with John A. Timour, M.A., M.L.S., Head Librarian at Jefferson at the time, indicated caution in accepting the authenticity of the manuscript. Inquiry at Washington and Jefferson College, where the archives of its forebear, Jefferson College at Canonsburg, were stored, revealed that no such document was in its possession. Mr. Timour went so far as to hint that the slide might have been spuriously concocted.

Joseph H. Coley, M.D. '34 got into the act. He said his friend Charles L. Liggett, M.D. S'44 had been awarded a plaque with the same wording as in the slide. Dr. Liggett had received the plaque at Jefferson around 1977 for his outstanding services as National Vice-Chairman of the Sesquicentennial Fund Drive. This information only deepened the cloud over the whole affair. On his own, Dr. Liggett had conducted a search for the original certificate, including a visit to the archives at Washington and Jefferson College, but without success.

As the deadline approached for publication of Thomas Jefferson University: Tradition and Heritage, we decided not to include this uncertain document. In the preparation of the Historical Supplement and Alumni Directory, the tantalizing issue of the certificate arose again.

The history section at Jefferson, already enhanced by the addition of J. Woodrow Savacool, M.D. '38, had been further strengthened by the arrival of Julie S. Berkowitz, M.A. as Art Historian in February 1988. In her inventory of Jefferson's art collection, Ms. Berkowitz had promptly evidenced a flair for unearthing primary sources of information. The question of Dr. Harnagel's slide was discussed with her on numerous occasions.

In the summer of 1989, Ms. Berkowitz visited Washington and Jefferson College to gain more authentic background information on the Franklin and Jefferson portraits in our art collection. She took with her a photocopy of the slide to aid in a search of the archives of Jefferson College at Canonsburg for the certificate. This came to naught, though the trip was successful in regard to the portraits.

One day in December 1989 occurred a coup de theatre. Ms. Berkowitz had solicited the aid of Robert T. Lentz, M.S., Sc.D., former University Librarian, who was familiar with Jefferson's archives. They entered the author's office with the look of the proverbial cat that ate the canary, and thrust a picture frame on the desk that encased a certificate exactly like the one in the Harnagel slide. Jubilation would hardly describe everyone's reaction!

Where had this historical treasure been unearthed? Of course, it had been sequestered in the safest of places: the College vault. Ms. Berkowitz and Dr. Lentz had been searching for old records relating to Jefferson's art collection when their eyes had lighted upon the framed document. News of the find spread quickly to the President's and the Dean's offices and to the archives. The next steps were to ensure the docu-
ment's conservation and to provide for its display.

Under the supervision of Ms. Berkowitz the services of Holly Maxon, a highly recommended conservator of manuscripts, were engaged. Early in January 1990, five excited people gathered in the history office to witness Ms. Maxon remove the certificate from its frame. With a special knife from her kit, she delicately cut away the dry, fragile paper from the back of the frame, looking first for any markings of significance. As the brads were extracted and the backing removed, the air of suspense heightened. A photograph five inches by seven inches was found which showed a group of anatomy students crowding around a dissected cadaver, with the instructor in the forefront. The latter was easily identified as William H. Pancoast, M.D. 1856, Professor of Anatomy from 1874 to 1886. This allowed an approximation of the date of the photo as 1880, although Dr. Pancoast had been a Demonstrator of Anatomy under his famous father, Joseph Pancoast, M.D., since 1866. The manuscript was delicately removed and was immediately seen to be on parchment. The seal was compared with one on an 1835 diploma from Jefferson College at Canonsburg in our own archives, and was declared authentic. The name on the back of the certificate, Atkinson Pelham, was later identified as that of a member of Jefferson Medical College's first class in 1826.

The iron gall ink on the certificate was clearly legible.

The contents were reassembled in the frame and the meeting ended with suggestions for further work. The next steps to be undertaken by Ms. Maxon included photographing the certificate inside the frame, and the certificate alone before and after restoration. The parchment was to be cleaned, acid-proofed, and placed in a plastic container for long-term preservation, and a facsimile was to be made for display, with the original to be kept in the archives. Some of the photographs will appear in the forthcoming Historical Supplement and Alumni Directory.

Historians never give up. Time is their essence and always on their side.
Elmer H. Funk, Jr., M.D. '47 is Honored

Elmer Funk, Jr., M.D. '47, Honorary Clinical Assistant Professor of Medicine, and recently retired Director of Cardiovascular/Renal Clinical Research Laboratories, was given special recognition on April 6 at the annual Preceptors Workshop of the Department of Family Medicine. Paul C. Brucker, M.D., The Alumni Professor of Family Medicine and Chairman of the Department, and President-elect of Thomas Jefferson University, presented Dr. Funk with a certificate of appreciation and a pewter reproduction of the historic Philadelphia Bowl of 1796 "in honor of his more than 37 years of dedicated service to the Departments of Family Medicine and Internal Medicine of Jefferson Medical College of Thomas Jefferson University." The certificate is signed by Dr. Brucker and by Joseph S. Gonnella, M.D., Vice-President, and Dean of Jefferson Medical College.

The presentation was made at the annual meeting of volunteer physicians from many states who, in their practices, teach Jefferson students. The setting was itself a tribute to this alumnus who has served his alma mater in so many ways, both inside and outside the institution. Dr. Funk's interest in Jefferson spans all departments. Whether in an official capacity, or simply as protector of the language we speak and write, and the customs we observe, his concern for the way Jefferson appears to the world helps to minimize the inevitable slips of tongue or pen as we present our case.

If you ask Dr. Funk to talk about his accomplishments, he will adroitly turn the conversation back to a knowledgeable discussion of Jefferson's history, or to his hopes for its future. He will talk easily, too, about his father, Elmer H. Funk, M.D. '08, who had been President of the Alumni Association, and was the Sutherland M. Prevost Professor of Therapeutics and Head of the Division of Diseases of the Chest. The elder Dr. Funk maintained a large pulmonary practice as well as one in internal medicine until his untimely death at age 46.

The talented son of this distinguished alumnus literally grew up in the shadow of Jefferson. Although only ten years old at the time of his father's death, Elmer Funk, Jr. remembers occasional-ly accompanying his father to both Jefferson Medical College Hospital and Pennsylvania Hospital. His mother retained her close relationship with Jefferson, and continued to be an active member of the Women's Board.

Many family friends were Jeffersonians, including Henry K. Mohler, M.D. '12, Medical Director of Jefferson Hospital from 1914 to 1938, and later the Sutherland M. Prevost Professor of Therapeutics and the Dean of Jefferson Medical College; Arthur R. Vaughan, M.D. '18, whose son was also a member of the Class of '47; and Edward J. Klopp, M.D. '06, Cochairman of the Department of Surgery, whose son, Edward J. Klopp Jr., M.D. '47, was Dr. Funk's classmate at The Haverford School as well as at Jefferson Medical College. When, at age eight, Dr. Funk was found to be a diabetic, he came under the excellent care of Garfield G. Duncan, M.D., author of the landmark textbook, Diseases of Metabolism, who was to become a Clinical Professor of Medicine at Jefferson Medical College and Chief of Medicine at Pennsylvania Hospital. Dr. Funk, Jr. was later to serve as a resident under Dr. Duncan, who himself had trained under Elmer Funk, Sr.

Growing up in such a community, it was only natural that Elmer Funk, Jr. should consider a career in medicine after graduation from Haverford College in 1943. He recalls with some amusement that because of wartime schedules, he spent five months as an aircraft inspector for the Budd Company before entering Jefferson in January 1944. From that time, his study of medicine was unabated. After graduation, Dr. Funk interned at Bryn Mawr Hospital, and then began residency training in internal medicine under Dr. Duncan. Dr. Funk remained at Pennsylvania Hospital as a resident in cardiology and a Stroud Fellow in cardiology.

At Pennsylvania Hospital Dr. Funk became involved in clinical research as a member of the myocardial infarction team. One study was of a heparin-like substitute that was believed to be better than heparin as an anticoagulant. This was followed by studies of oral anticoagulants. In doing these studies Dr. Funk became acquainted with the pharmaceutical industry. Some were for Wyeth Laboratories, then located at 1401 Walnut Street, which had negotiated a clinical research affiliation with Jefferson Medical College through Dean George A. Bennett. Under this plan some 12 to 15 mutually interesting experimental studies a year were executed.

In 1953, having completed residency training, Dr. Funk became Coordinator of Clinical Research at Jefferson. He reported to Leandro M. Tocantins, M.D. '26, an outstanding hematologist and specialist in platelet disorders who became The Thomas Drake Martinez Cardeza Professor of Clinical Medicine and Hematology, and Director of the Cardeza Foundation. This marked the inception of a clinical pharmacology unit at Jefferson.

As Coordinator of Clinical Research Dr. Funk spent half his time at Jefferson, and half at Wyeth Laboratories, working with all departments at the Medical College to plan, conduct, and monitor clinical trials with and by physicians on the Hospital staff. Although these collaborative studies between industry and College were in many ways mutually beneficial, the arrangement was terminated in 1957.

Dr. Funk was asked to join the Wyeth Laboratories clinical research staff. There he served as Medical Director of Ives-Cameron Company. Under his guidance Isordil, a major drug in cardiac disease, was evaluated, was accepted by the Food and Drug Administration, and became available for use.

In 1959 Dr. Funk left Wyeth to join Merck Sharp & Dohme Research Laboratories as Associate Director of Medical Services under Richard T. Smith, M.D. '41, an early pioneer in therapy for rheumatoid diseases. He rose through the ranks at Merck to become Director of Advanced Clinical Research, and finally Director of Cardiovascular/Renal Clinical Research from 1977 until his retirement in March of this year.

Despite his busy schedule in the pharmaceutical industry, Dr. Funk's involvement with Jefferson has flourished uninterrupted. He participates actively on the Executive Committee of the Alumni Association. Like his father before him, he served as President of the Association, filling this post in 1968-69. He has served on the faculty
Committee on Academic Protocol since 1983, and on the Committee on Alumni and Public Affairs since 1984.

At the time Dr. Funk was President of the Alumni Association there was a thrust to change the name of Jefferson Medical College to the College of Medicine of Thomas Jefferson University. Dr. Funk successfully championed preservation of the original name and all that it signified.

Since joining the pharmaceutical industry Dr. Funk has continued to see patients at Thomas Jefferson University Hospital one-half day per week on an unsalaried basis. He emphasizes his respect and love for patients, saying, "I find a real personal reward in caring for people; it makes me feel worthwhile."

Dr. Funk holds an appointment as an Honorary Clinical Assistant Professor in the Department of Medicine. His affiliation with Jefferson's Department of Family Medicine came about when the old outpatient medical clinic in Curtis, headed by John N. Lindquist, M.D. '43, was disbanded. At that time, Dr. Funk explains, he had a choice of continuing to see his patients through the house staff clinic, or through the newly established Department of Family Medicine. He chose the latter, with the proviso that he would not care for pediatric patients or patients with gynecologic problems.

Until his retirement, Dr. Funk taught junior and senior medical students as a part of their rotations. When asked about opportunities for student clerkships in the pharmaceutical industry, Dr. Funk replies that they definitely exist, but unfortunately many people do not know about them. Several area pharmaceutical houses, he points out, take on qualified students for summer positions. Current sophomore John W. Kennedy worked in his clinical research department at Merck. Dr. Funk encourages students to apply for such programs.

Work in the pharmaceutical industry is varied, Dr. Funk explains. "You don't stay in one area forever. Most clinical pharmacologists have the capability to be surprisingly versatile. If you know how to design, set up, and monitor a study you need not limit your work to one field." Dr. Funk himself has been involved in the cardiovascular field largely, but not exclusively. He has supervised studies of diarrhea medications, and completed new drug applications for Isordil, Equisantrate rectal steroid suppositories, vasodilators, and Aldomet. Recently he has worked with an angiotensin converting enzyme inhibitor, Vasotec, which is under study to document how it decreases loss of renal function in diabetic nephropathy.

In the pharmaceutical industry, he emphasizes, the drugs that are approved and become available are only a very small fraction of those evaluated. "You never find the winners if you don't count out the losers. You have to be therapeutically creative." He explains that statisticians work closely with physicians to design a clinical study protocol, a detailed plan for the evaluation of a compound. A new drug must go through a number of steps, from very limited trials in a confined population to expanded clinical trials, in order to determine whether the agent is worth pursuing; that is, whether it has a worthwhile benefits-to-risks ratio and whether it is likely to be genuinely advantageous to mankind.

In the pharmaceutical industry, Dr. Funk points out, the physician himself almost never performs tests on patients. This contrasts with the way in which he initially worked at Jefferson conducting clinical trials, and it is another reason he felt it important to retain contact with patients by serving in a volunteer capacity at Jefferson. As he says, "You risk losing your clinical relevance if you don't care for patients." He cites a 1950 speech by George W. Merck, then chief executive officer of the Merck corporation:

We try to remember that medicine is for the patient. We try never to forget that medicine is for the people. It is not for the profits. The profits follow, and if we have remembered that, they have never failed to appear. The better we have remembered it, the larger they have been.

Dr. Funk is an Associate Fellow of the American College of Cardiology and a Senior Member of the American Federation for Clinical Research. From 1985 to 1989 he served on the Commission on Therapeutic and Toxic Substances of the Pennsylvania Medical Society, and he has long been active in the Philadelphia County Medical Society. He has served the American Society for Clinical Pharmacology and Therapeutics as Secretary-Treasurer and as a member of its Executive Committee and Board of Directors since 1973. In 1982 he received the Society's Henry W. Elliott Award for Distinguished Service.

Dr. Funk is a member of the Board of Directors of the American Diabetes Association, Greater Philadelphia Affiliate; a Vice-President of the Garfield G. Duncan Research Foundation; and a Trustee of the Edna G. Kynett Memorial Foundation.

Asked about his plans for the future, Dr. Funk says he will continue to be active in alumni activities at Jefferson, including continuing medical education projects. He and his wife, Martha, look forward to their new opportunities to travel, and plan to join future Jefferson Alumni Travel Seminars.

Dr. Funk also wants to devote more time to ice dancing and precision skating with his wife and their daughter, Ellen, who is a gold medalist in ice dancing. He looks forward to resuming participation in an adult precision team, noting that this relatively new sport offers splendid opportunities not only for adult skaters, but also for those expert young skaters who do not plan to continue as solo performers, and that it calls for all the usual team strengths. "Besides, it's a better use of the ice. You pay a lot for ice!" Good precision

CONTINUED ON PAGE 18
The Annual Business Meeting of the Alumni Association, held on February 22, was an historic event. For the first time a woman led the ceremonies as President of the 120-year-old Association. Also, the alumni voted to admit to the Association physicians who have completed residency or fellowship education at Jefferson. For the last seven years these portions of training have been under the aegis of the Dean of the Medical College.

Chairman of the Nominating Committee William H. Baltzell, '46 read the slate of officers: President-elect Jerome J. Vernick, '62; Vice Presidents Burton S. Benovitz, '55, William E. Delaney, '53, Leopold S. Loewenberg, '56, and John F. Wilson, '37; Treasurer Edward H. McGeehe, '45; and Secretary Joseph W. Sokolowski, Jr., '62. They were unanimously approved.

Nominations to the Executive Committee were also approved; they are Larry A. Caputo, '74; Bertram T. Chinn, '87; Patricia M. Curtin, '88; Anna Marie D'Amico, '72; Matthew V. DeCaro, Jr., '80; James M. Delaplane, '64; Kathleen Shander Guarnieri, '84; Mary Ann Starinic Resnik, '73; Edward R. Russell, '72; and John P. Salvo, '61.

Mrs. Owen A. Mandeville, a Trustee of Thomas Jefferson University, was named an Honorary Member of the Alumni Association. She thanked the alumni and congratulated them for the prestige their standards and generosity have brought Jefferson. Trustee Mrs. Samuel M. V. Hamilton and Philip J. Hodes, M.D., D.Sc.(Rad.) were also elected Honorary Members of the Association.

Dr. Baltzell escorted James E. Clark, '52 to the podium to assume the office of President. He congratulated Nancy Szwee Czarnecki, '65 on her achievements in this position, including increasing attendance at meetings, for which she planned outstanding programs, and restoring lustre to the Alumni Banquet. Dr. Clark's first act in his new post was to call upon Frederick B. Wagner, Jr., '41 to read a letter of congratulations to President Czarnecki from President Bush.

Photographs by Don Walker

President-elect of the University Paul C. Brucker, M.D. (center) is greeted by Burton L. Wellenbach, J'44 and Dean Joseph S. Gonnella, M.D.

John Y. Templeton III, '41 at the podium

Chairman of the Board of Trustees Edward C. Driscoll chats with Stanton N. Smullens, '61 and Richard A. Cautilli, '58.

President of the Alumni Association Nancy Szwee Czarnecki, '65 presents Josephine C. Mandeville with a certificate of honorary membership in the Association.

James E. Clark, '52 presents Nancy Szwee Czarnecki, '65 with a gift.
Parents' Day

Parents' Day, sponsored annually by the Alumni Association, was held March 16. Guests heard presentations by faculty members representing different specialties. They were greeted at luncheon by Paul C. Brucker, M.D., The Alumni Professor of Family Medicine and Chairman of the Department, and President-elect of Thomas Jefferson University; James E. Clark, M.D. '52, President of the Medical College Alumni Association; and Joseph S. Gonnella, M.D., Senior Vice-President, and Dean of the Medical College. Patricia F. Buttitta, Class of '92 spoke for the sophomore class. Following lunch, Frederick B. Wagner, Jr., M.D. '41, The Grace Revere Osler Professor Emeritus of Surgery and University Historian, gave a talk on the traditions and history of Jefferson Medical College.

In Memoriam

Paul J. Poinsard, M.D. '41, 1915-1990

Professor Emeritus of Psychiatry and Human Behavior, Paul J. Poinsard, M.D. was a native of Glenburn, Pennsylvania, and graduated from the University of Scranton in 1936. He received his M.D. degree in 1941 from Jefferson Medical College, and interned at Geisinger Memorial Hospital.

As a flight surgeon in World War II, Dr. Poinsard received five battle stars. Upon discharge he matriculated at the Graduate School of Medicine of the University of Pennsylvania in Psychiatry and Neurology, and completed a three-year residency at the Institute of Pennsylvania Hospital. He also trained at the Philadelphia Psychoanalytic Society in both general psychiatry and psychoanalysis.

Following residency Dr. Poinsard joined Jefferson's faculty, rising through the ranks to become a Clinical Professor of Psychiatry in 1958. Acting Chairman of the Department in 1961 and 1962, he later directed the Postgraduate Seminars in Psychiatry.

Dr. Poinsard was elected President of the Thomas Jefferson University Hospital Medical Staff for 1979 through 1981. He was a past President of the Philadelphia Psychiatric Society, the Pennsylvania Psychiatric Society, the Philadelphia County Medical Society, and the Jefferson Medical College Alumni Association during its Centennial in 1970. A member of the Board of Directors of Pennsylvania Mental Health, Incorporated, he had chaired the Commission on Mental Health of the Pennsylvania Medical Society.

Dr. Poinsard was an amateur painter; he shared this interest with his wife, JoAnne. He maintained a rooftop garden at his townhouse in Center City, carrying dirt up five flights, and grew fresh flowers in a greenhouse. For escape he had a house in Clarks Summit, Pennsylvania. Dr. Poinsard sailed, and liked to dance. He was a Life Member of the President's Club at Jefferson.

Named Emeritus Professor at Jefferson in 1983, Dr. Poinsard remained active in the Department until his death last April 19. He is survived by his wife. Gifts in his memory may be made payable to the Alumni Annual Giving Fund, M-41 Alumni Hall, 1020 Locust St., Philadelphia, PA 19107-6799; they will be designated for the Department of Psychiatry and Human Behavior.
teams, he explains, are not merely drill teams, but perform dance movements on the ice. He feels the time is close at hand when precision skating teams will be included in the Olympics. A past President of the Philadelphia Skating Club and Humane Society, Dr. Funk has served as a Delegate to the Governing Council of the United States Figure Skating Association.

Jefferson is fortunate indeed to have such an enthusiastic alumnus as Elmer H. Funk, Jr., M.D., and one who assures us that his interest will not flag, even as he turns to different challenges in the years ahead. □

Lectures

On Faculty Research Day, February 28, posters were exhibited, of which 20 were in the field of cell biology; 17 in neuroscience, psychosocial medicine, or epidemiology; 10 in immunology; 10 in clinical trials; nine in cardiovascular-pulmonary medicine; and six in developmental biology.

The John H. Gibbon, Jr., M.D. Lecture was delivered the afternoon of Faculty Research Day by Lee Goldman, M.D., M.P.H. Dr. Goldman is Vice-Chairman of the Department of Medicine at Brigham and Women's Hospital in Boston, and Chief of the Division of Clinical Epidemiology at Beth Israel Hospital. He serves as an Associate Editor of the New England Journal of Medicine. His interests include cardiac risk in non-cardiac surgery, and the evaluation of acute chest pain.

Dr. Goldman's topic was "The Decline in Coronary Mortality: Explaining the Past and Predicting the Future." He implicated implications for health policy of clinical research on the comparative benefits, for cardiac problems, of adjustments in lifestyle, such as diet or smoking habits, and of treatment by physicians. He asserted that changes in lifestyle have done more good than treatment by doctors, and that everyone benefits when medical treatment is reserved for high-risk patients, rather than those who can be helped by mere lifestyle changes. Dr. Goldman pointed out that non-cardiac problems influence choices of lifestyle adjustments; he instanced the theory that individuals with low cholesterol have a higher risk of cancer.

The third lecture in the first annual Guest Speaker Series in Medical Humanities and Social Science was delivered by Daniel Fox, Ph.D. on March 15. Dr. Fox, a Professor of Humanities in Medicine at the State University of New York at Stony Brook, has published extensively in health policy, health politics, and the history of medicine. His presentation was "Every Country Has the Health Policy It Deserves."

The William Potter Lecture was delivered the afternoon of Sigma Xi Student Research Day, March 28, by K. Frank Austen, M.D. Dr. Austen spoke on "Cellular and Molecular Aspects of Eosinophil and Mast Cell Biology in Relationship to Human Disease." Dr. Austen is the Theodore B. Bayles Professor of Medicine at Harvard Medical School and Chairman of the Department of Rheumatology and Immunology at Brigham and Women's Hospital. A member of the Task Force on Allergy and Immunology of the National Institute of Allergy and Infectious Diseases, he has published extensively on the effects of inflammatory mediators on the immune response in human disease.

Dr. Austen's poster was "Interleukin-1 Production Is Inhibited by the Benzene Metabolite, Hydroquinone." Mr. Tada presented "Identification of a Novel Pentanucleotide Repeat 'Silencer' Sequence Which Differentially Regulates Early and Late Gene Expression of JC Virus."

Baruch S. Blumberg, M.D., Ph.D. gave a seminar April 2 on human hepatitis virus. Dr. Blumberg was awarded the 1976 Nobel Prize in Medicine and Physiology for research that contributed to ascertaining the infectious nature of hepatitis B. Presently he is Master of Balliol College at Oxford University. A member of the National Academy of Sciences, Dr. Blumberg holds the honorary degree of Doctor of Humane Letters from Jefferson. In his seminar Dr. Blumberg touched upon his investigation of plant material that may be used in hepatitis treatment.

The Albert M. Biele, M.D. Lecture was delivered April 4 by George L. Engel, M.D., Professor of Medicine and Psychiatry at the University of Rochester School of Medicine. Dr. Engel has performed research on depression, grieving, delirium, syncope, chronic pain, metabolic disturbances, and psychosomatic disorders such as ulcerative colitis. His topic was "The Patient: A Person or an Image?"

Dr. Engel pointed out that many today are influenced by a seventeenth-century view that the scientist ought to be separated from humanistic domains. Yet "medicine is the first human science," for it requires one person to study another. And in the twentieth century we have been reminded how interconnected we are with all other humans.

Moreover, Dr. Engel continued, introspection is an important part of science. The patient must introspect to tell the physician what is wrong, and the physician must also introspect to evaluate the patient.

And in the sense that the objective of science is to increase the reliability of the knowledge to which we lay claim, we do not need advanced degrees to think scientifically.

Yet the human domain is not a part of the study of medicine. Remarkably that "people still think biomedically," Dr. Engel advocates a broader biopsychosocial model of medical care.
James J. Augsburger, M.D., Associate Professor of Ophthalmology, presented three papers at an international symposium, “Tumors of the Eye,” sponsored by the German Ophthalmological Society in Essen. They were “Cox Model-Derived Prognostic Index for Group Matching of Patients with Primary Choroidal or Ciliary Body Melanoma,” “Fine Needle Aspiration Biopsy of Intraocular Tumors,” and “Enucleation Versus Conservative Treatment for Children with Unilateral Retinoblastoma.” Dr. Augsburger moderated the session on tumors of the conjunctiva and iris.

At the Atlantic Coast Fluorescein Conference, Dr. Augsburger presented “Hemorrhagic Retinal Macrovessels Associated with Advanced Coats’ Disease.”

Demetrius H. Bagley, M.D., Professor of Urology and Director of the Stone Center, and Associate Professor of Radiology, presented “Endoscopic Lithotripsy Using the Pulsed Dye Laser: A Collaborative Study in Upper Egypt” and “Current State of Uroteroscopy in 1989” in Cairo at the twentieth Annual Congress of the Egyptian Urological Association and the Association Francaise d’Urologie.

Dr. Bagley gave a live demonstration of a pulsed dye laser treatment of ureteral calculi at Ain Shams University in Cairo, utilizing both the Candela and the Technomed pulsed dye lasers.

Ernest M. Baran, M.D., Associate Professor of Rehabilitation Medicine and Assistant Professor of Neurosurgery, participated in the seventeenth Annual Course in Electrodagnosis sponsored by the Department of Rehabilitation Medicine and held at Jefferson. Also taking part were Gerald J. Herbison, M.D., Professor of Rehabilitation Medicine and Director of Research; Stanley R. Jacobs, M.D., D.Sc., Clinical Associate Professor of Rehabilitation Medicine; M. Mazher Jaweed, Ph.D., Research Associate Professor of Rehabilitation Medicine; and Leopold J. Streletz, M.D., Associate Professor of Neurology.

Lewis W. Bluemle, Jr., M.D., President, received the honorary degree of Doctor of Humane Letters at Commemoration Day ceremonies of The Johns Hopkins University in February. The ceremonies marked the hundredth anniversary of medicine at Hopkins.

Peter Burns, Ph.D., Associate Professor of Radiology, presented a paper, “Criteria for the Detection of Tumor Blood Flow with Doppler Ultrasound,” at the seventy-fifth anniversary meeting of the Radiological Society of North America. P. Macke Consigny, Ph.D., Research Associate Professor of Radiology, presented “Smooth Muscle Cell Mitogens and Restenosis After Balloon Angioplasty.” Benjamin M. Galkin, M.S., Professor of Radiology (Radiological Physics) and of Radiation Oncology and Nuclear Medicine (Radiological Physics), won a Certificate of Merit for his exhibit, “Processor Control in Mammography,” and presented a work in progress, “Methods for Testing Film Processors Used in Mammography.” Barry B. Goldberg, M.D., Professor of Radiology and Director of the Division of Ultrasound, gave a historical exhibit on “Beginnings of Diagnostic Ultrasound.” Alfred B. Kurtz, M.D., Professor of Radiology and of Obstetrics and Gynecology, presented a paper, “Predictive Value of the Short Femur in the Detection of In Utero Skeletal Dysplasias.” David C. Levin, M.D., Professor and Chairman of Radiology, presented “Turf Battles over Interventional Procedures at Community Hospitals: Survey Results from 187 Large Nonacademic Institutions” and “Who Controls Imaging Studies at Community Hospitals in the United States? Survey Results.” Donald G. Mitchell, M.D., Associate Professor of Radiology, won a Certificate of Merit for his exhibit, “Color Doppler Imaging of the Iliofemoral Region,” and presented a work in progress, “High-Field T1-Weighted Spin-Echo Magnetic Resonance Images of the Abdomen: Optimization by Decreasing Echo Time and Suppressing Signal from Fat.” Vijay M. Rao, M.D., Professor of Radiology and Codirector of the Division of Neuroradiology/ENT, and Associate Professor of Otolaryngology, presented a paper, “Comparison of SE and Short TE Three-Dimensional Gradient-Echo Imaging of the Temporomandibular Region,” and an exhibit, “Temporomandibular Joint Imaging: Mimics of Internal Derangement.” Matthew D. Rifkin, M.D., Professor of Radiology and Director of the Division of Magnetic Resonance Imaging, and Professor of Urology, presented a paper, “Endorectal Ultrasound and Magnetic Resonance Imaging: Accuracy for Staging Prostate Cancer.” Robert M. Steiner, M.D. ’64, Professor of Radiology and Codirector of the Division of General Diagnostic Radiology, and Associate Professor of Medicine, gave a symposium entitled “Imaging Symposium: Musculoskeletal Magnetic Resonance Imaging,” and presented exhibits on “Pulmonary Embolism: Past, Present, and Future” and “Meningioma Imaging: Past, Present, and Future.” Simon Vinitski, Ph.D., Research Associate Professor of Radiology, made a poster presentation on “Magnetic Resonance Chemical Shift Imaging and Spectroscopy of Atherosclerotic Plaque.”

Ronald A. Coss, Ph.D., Associate Professor of Radiation Oncology and Nuclear Medicine, presented a paper, “Mechanisms of Heat Cytotoxicity in CHO Cells: Proteinaceous Systems,” at the first annual Oregon Health Sciences University Experimental Radiation Oncology Conference.

At the seventy-first annual meeting of the American Radium Society, Dr. Coss delivered an invited lecture on “Cell Biology of Hyperthermia.”

Dr. Coss made a poster presentation on “Enhancement of the Effects of Heat Shock on Chromatin of G1 CHO Cells by Procaine as Visualized by the Technique of Premature Chromosome Condensation” at the combined annual meetings of the Radiation Research Society and the North American Hyperthermia Group. George Iliakis, Ph.D., Professor of Radiation Oncology and Nuclear Medicine, coauthored the poster.

Jerome M. Cotler, M.D. ’52, Professor and Vice-Chairman of Orthopaedic Surgery, presented a poster on “The Medical and Economic Impact of Closed Cervical Spine Dislocations” at the fifteenth Annual Scientific Meeting of the American Spinal Injury Association. At the same meeting, Geno J. Merli, M.D. ’75, Clinical Associate Professor of Medicine and Director of the Division of Internal Medicine, and Clinical Associate Professor of Rehabilitation Medicine, made a poster presen-
tation on "Initial Evaluation of TPA as an Adjuvant Treatment for Deep Vein Thrombosis and Pulmonary Embolism in Acute Spinal Cord Injury." Dr. Merli, John F. Ditunno, Jr., M.D., The Jessie B. Michie Professor of Rehabilitation Medicine and Chairman of the Department, and Gerald J. Herbison, M.D., Professor of Rehabilitation Medicine and Director of Research, presented a poster on "The Natural History of Deep Vein Thrombosis in Acute Spinal Cord Injury."

Larry A. Donoso, M.D., Ph.D., Professor of Ophthalmology, is among the investigators at Wills Eye Hospital awarded a $45,000 unrestricted grant from Research to Prevent Blindness to support ongoing studies.

Hormoz Ehya, M.D., Associate Professor of Pathology and Cell Biology, presented a workshop, "Diagnostic Problems in Effusion Cytology," and a paper, "Fine Needle Aspiration Biopsy of the Breast: The Effect of Operator Expertise," at the thirty-seventh annual scientific meeting of the American Society of Cytology.

At the tenth International Congress of Cytology in Buenos Aires, Dr. Ehya presented "Brush Cytology in the Diagnosis ofColonic Neoplasms."

Dr. Ehya lectured on "Cytopathology of Mesoatytia and Mesoateliaoma" at the National Cancer Institute in Rio de Janeiro.

Michael D. Fallon, M.D., Associate Professor of Pathology and Cell Biology, coauthored presentations at the eleventh annual meeting of the American Society for Bone and Mineral Research entitled "Cyclosporin G in Vivo Produces Less Adverse Bone Effects than Cyclosporin.," "In Vitro Bone Resorption by Peripheral Blood Monocytes in Patients with Paget's Disease," "Proximal Femoral Focal Dysplasia: A Maturational Defect of the Hypertrophic Chondrocyte," and "Molecular Biology of Hypophosphatemia: A Point Mutation or Small Deletion in the Bone/Liver/Kidney Alkaline Phosphatase Gene Results in an Intact but Functionally Inactive Enzyme."

Stephen A. Feig, M.D., Professor of Radiology and Director of the Breast Imaging Center, lectured at the Department of Radiology of the University of British Columbia School of Medicine on "Evidence of Benefits from Screening: Results of Trials in the United States and Europe," "Mammographic Evaluation in Management of Breast Masses," and "Film Screening Mammography: Equipment, Technique, and Positioning."

At the Department of Radiology of the Ohio State University School of Medicine, Dr. Feig spoke on "Mammographic Analysis of Breast Calcifications."

Joseph C. Flanagan, M.D. '63, Professor of Ophthalmology, has been appointed Chief of Ophthalmology at Lankenau Hospital.

At the annual meeting of the American Academy of Ophthalmology, Dr. Flanagan presented "Early and Late Wound Repair in Pediatric Trauma Including Canalicular Reconstruction." He was Program Chairman of the Twelfth Annual Oculoplastic Surgery Course, for which he made two presentations, "Canaliculal Lacerations" and "Avoidance of Complications and Management in DCRs."


Edward Gottheil, M.D., Ph.D., Professor of Psychiatry and Human Behavior and Director of the Division of Drug and Alcohol Abuse Programs, and Stephen P. Weinstein, Ph.D., Clinical Professor and Associate Director of the Programs, have received a five-year, $2.3 million grant from the National Institute on Drug Abuse to investigate the effectiveness of Jefferson's intensive outpatient cocaine treatment program. Also involved in this study is Hyman Menduke, Ph.D., Professor of Pharmacology (Biostatistics).

Paul J. Green, Ph.D., Associate Professor of Pathology and Cell Biology (Chemistry), coauthored a presentation, "Use of Immunoasays in Determining Free Digoxin Concentrations in the Presence of Digoxin FAB Antibodies," at a meeting of the American Society of Hospital Pharmacists.

Dr. Green delivered an invited lecture, "Immunoasays and the Evaluation of Thyroid Function," as part of the New Jersey Department of Health's Clinical Laboratory Improve-

ment Service Lecture Series.

Arthur E. Helfand, D.P.M., Adjunct Professor of Medicine (Podiatry), was a Visiting Scholar at the University of Pennsylvania, where he spoke on "Foot Problems and their Relationship to Falls."

Dr. Helfand presented a paper, "Assessment of Foot Problems in the Elderly," at Eastern Virginia Medical School, and a poster exhibit on the same topic at the American Diabetes Association annual meeting.

Joannes B. Hoek, Ph.D., Professor of Pathology and Cell Biology and Associate Professor of Pharmacology, presented "Interactions of Ethanol with Phosphoinositide-Linked Signalling Processes in Liver" at the Alcohol Research Center meeting at the University of Colorado.

James M. Hunter, M.D. '53, Professor of Orthopaedic Surgery; performed surgical demonstrations at "Surgery and Rehabilitation of the Hand, 1990," a symposium in March sponsored by the Hand Rehabilitation Foundation and Jefferson Medical College. Dr. Hunter explained techniques he had developed for wrist reconstruction using dacron ligament augmentation, and for flexor tendon reconstruction.

Bong H. Hyun, M.D., D.Sc., Clinical Professor of Pathology and Cell Biology, lectured on "Pathology of AIDS" at Nara Medical University in Japan.

He delivered the plenary lecture, "Hematopathology of AIDS," at the annual meeting of the Korean Society of Clinical Pathologists in Seoul.

At the annual meeting of the American Society of Clinical Pathologists and the College of American Pathologists, Dr. Hyun gave a workshop, "Bone Marrow Examination: Techniques and Interpretation."

He directed a workshop on "Automation and Quality Control in Hematology" sponsored by the American Society of Clinical Pathologists.

Renato V. Iozzo, M.D., Professor of Pathology and Cell Biology, lectured on "Proteoglycan Changes in Human Colon Cancer" at the tenth International Congress of Surgery in Copanello, Italy.
Sergio A. Jimenez, M.D., Professor of Medicine and Codirector of the Division of Rheumatology Research, and Professor of Biochemistry and Molecular Biology, presented "Structure of Articular Collagens and their Genes" and "Connective Tissue Alterations in Scleroderma" at the XVII Congress of the International League Against Rheumatism in Rio de Janeiro.

Devendra M. Kochhar, Ph.D., Professor of Anatomy, has received a $30,000, one-year grant from the March of Dimes Birth Defects Foundation under its Reproductive Hazards in the Workplace, Home Community and Environment Research Grants Program. She will examine how prenatal exposure to Accutane, an anti-acne drug, causes severe malformations of the face, brain, and heart.

Mery Kostianovsky, M.D., Associate Professor of Pathology and Cell Biology, spoke on "Opportunist Tumors in AIDS" at the University of Puerto Rico Medical School and at the National University of Mexico.

David C. Levin, M.D., Professor and Chairman of Radiology, lectured on "Practice Patterns in Peripheral Interventions" at the Scientific Conference on Peripheral and Non-Coronary Vascular Disease sponsored by the American Heart Association. At a course sponsored by the American College of Cardiology, Dr. Levin presented "Technical and Methodological Considerations in Cine Imaging and Equipment Purchase" and "Image Acquisition: Cine Film and Film Processing."

Steven Mandel, M.D., Clinical Associate Professor of Neurology, made a presentation on "Overuse Syndrome Among Artists and Performing Artists" as part of the International Arts Medicine Association's Regional Symposia Series.

Donald G. Mitchell, M.D., Associate Professor of Radiology, has received the 1989 Editor's Recognition Award, with Special Distinction, for his analysis of manuscripts for the journal Radiology.

Dr. Mitchell presented "Hips and Marrow Disease" at a Magnetic Resonance Musculoskeletal Imaging Symposium broadcast live to medical conferences in 27 cities across the United States.

Stephen P. Peters, M.D., Ph.D., Professor of Medicine, has received a one-year, $35,000 Career Investigator Award from the American Lung Association to study how pulmonary macrophages attract other cells to the lung. The award is renewable for five years.

Peter D. Pizzutiello, M.D., '70, Associate Professor of Orthopaedic Surgery and Associate Professor of Pediatrics, presented an exhibit, "Trauma in Pediatric Cervical Spine," for the Pediatric Orthopaedic Committee of the American Academy of Orthopaedic Surgeons.

Darwin J. Prockop, M.D., Ph.D., Professor and Chairman of Biochemistry and Molecular Biology and Director of the Jefferson Institute of Molecular Medicine, has been appointed to the Robert Wood Johnson Foundation Commission on Medical Education: The Sciences of Medical Practice. This new national commission seeks to reexamine how physicians are trained in basic sciences. It was created in recognition of a need for care for patients with chronic problems, including people with AIDS and the frail elderly.

Barbara P. Schick, Ph.D., Associate Professor of Medicine, has been appointed to the Blood Diseases and Resources Advisory Committee of the National Institutes of Health through June 1993, and to the Board of Directors of the American Heart Association, Southeastern Pennsylvania Affiliate, through June 1992.

Sandor S. Shapiro, M.D., The Thomas Drake Martinez Cardeza Research Professor of Medicine, Director of the Division of Hematology, and Professor of Biochemistry and Molecular Biology, cochaired the session on coagulation at the thirty-first annual meeting of the American Society of Hematology. At the same meeting, Paul K. Schick, M.D., Professor of Medicine, cochaired a session on megakaryocytes and platelets, and presented abstracts on "Thrombocyte Production by Megakaryocytes Compared to Platelets," "Effects of Marine-Oil-Enriched Diets on Megakaryocytes," and "Differences in Glycolipids in Megakaryocytes and Platelets."

Dr. Shapiro chaired the seventeenth annual Philadelphia Workshop on Hemostasis, Thrombosis, and Atherosclerosis, at which Dr. Schick presented "Sulfated Proteoglycan and Sulfated Protein Synthesis in Human Erythroblasts Cells." At this workshop Jose Martinez, M.D., Professor of Medicine and of Pharmacology, presented "Partial Purification of Hepatic Transglutaminases that Mediate the Fibrinogen-Hepatocyte Reaction."

Marion J. Siegman, Ph.D., Professor of Physiology, was Visiting Professor and guest lecturer at The Cleveland Clinic Foundation, where she spoke on "Smooth Muscle Contraction: Lessons Learned from Energetics."

Dr. Siegman presented a seminar on "Crossbridge States in Smooth Muscle: New Insights" to the Department of Physiology and Biophysics of Case Western Reserve University College of Medicine.

William S. Tasman, M.D., Professor and Chairman of Ophthalmology, delivered the Richard Hoover Memorial Lecture at the Greater Baltimore Medical Center on the topic "Retinopathy of Prematurity: Management and Differential Diagnosis."

At the American Academy of Ophthalmology annual meeting, Dr. Tasman presented "Treatment of Stages Four and Five: Scleral Buckle" as part of the Retina Society Symposium "Update on Retinopathy of Prematurity." He also gave a course on "Management of Retinopathy of Prematurity."

Matheus L. Thakur, Ph.D., Director of Radiation Oncology and Nuclear Medicine, has been elected to a three-year term as President of the newly-formed International Society of Radiolabeled Blood Elements.

Dr. Thakur was Program Chairman of the Fifth International Symposium on Radiolabeled Blood Elements, in Vienna.

Andrew P. Thomas, Ph.D., Associate Professor of Pathology and Cell Biology, presented "Effects of Acute Ethanol Treatment on Cytosolic Calcium Transients in Cardiomyocytes" at the annual meeting of the Research Society on Alcoholism.

At the Biochemical Society's thirty-
second Harden Conference in London, Dr. Thomas presented "Agonist-Induced Calcium Oscillations Originating from a Specific Locus in Single Hepatocytes."

Dr. Thomas gave a seminar, "Mechanisms and Function of Oscillatory Calcium Signalling in Single Hepatocytes," for the Biodynamics Institute of the University of Virginia.

Troy L. Thompson II, M.D., Professor and Chairman of Psychiatry and Human Behavior, has been elected to the Board of Directors of the Abraxas Foundation of Philadelphia, a private, non-profit comprehensive treatment program for youth with substance-abuse problems.

Dr. Thompson also is President-elect of the Association for Academic Psychiatry, and has been selected as a senior examiner by the American Board of Psychiatry and Neurology.

Rocky S. Tuan, Ph.D., Professor of Orthopaedic Research and Director of Orthopaedic Research, and Professor of Biochemistry and Molecular Biology, made presentations at the nineteenth meeting of the American Society for Cell Biology on "Characterization and Regulation of Calcium Uptake by Human JEG-3 Choriocarcinoma Cells in Vitro," "Molecular Components of Transepithelial Calcium Transport in the Chick Chorioallantoic Membrane," and "Ca Handling of Erythrocytes (RBC) of Ca-Deficient Chick Embryo."

Jouni J. Uitto, M.D., Ph.D., Professor and Chairman of Dermatology, and Professor of Biochemistry and Molecular Biology, has been elected to membership in the American Dermatological Association and in the Association of American Physicians.

Chester R. Wilpizeski, Ph.D., Professor of Otolaryngology, presented "Vestibular Impairment, Conditioned Food Aversion, and Rotation-Induced Motion Sickness in Guinea Pigs" at the thirteenth Midwinter Research Meeting of the Association for Research in Otolaryngology. Co-author of the paper was Louis D. Lowry, M.D., Professor and Chairman of Otolaryngology.

Richard P. Wilson, M.D., Associate Professor of Ophthalmology, has received an Honor Award for excellence in teaching and service from the American Academy of Ophthalmology. He has also written and produced a teaching videotape, "Management of Combined Cataract and Glaucoma," at the AAO's request. At a recent AAO meeting, Dr. Wilson spoke on "The Shocket Shunt" and taught the Skills Transfer Course on Laser Techniques in Glaucoma.

Dr. Wilson presented "Contact Nd:YAG Cyclophotodestruction of the Ciliary Body in Infants" at a meeting of the Pan-American Glaucoma Society.

**Appointments**

Kenneth Baker, M.D. has been appointed a Clinical Associate Professor of Medicine.

James S. Bates, M.D. has been appointed a Clinical Associate Professor of Obstetrics and Gynecology.

Olice Bates, M.D. has been appointed a Clinical Professor of Medicine.

Joseph E. Bisordi, M.D. has been appointed a Clinical Associate Professor of Medicine.

Frederick G. Brown, M.D. has been appointed a Clinical Professor of Medicine.

Thomas J. Cahill, M.D. has been appointed a Clinical Associate Professor of Medicine.

John P. Carlson, M.D. has been appointed a Clinical Associate Professor of Neurology.

A. Thompson Colley, M.D. has been appointed a Clinical Associate Professor of Medicine.

Joseph P. Colancecco, M.D. has been appointed a Clinical Associate Professor of Medicine.

Duane E. Davis, M.D. has been appointed a Clinical Professor of Medicine.

James G. Gallagher, M.D., Ph.D. has been appointed a Clinical Professor of Medicine.

Charles F. Grammes, M.D. has been appointed a Clinical Professor of Medicine.

David J. S. Hulmes, Ph.D. has been appointed a Visiting Associate Professor of Biochemistry.

Adel Z. Makary, M.B., B.Ch. has been appointed a Clinical Professor of Medicine.

Thomas F. Mangan, M.D. has been appointed a Clinical Associate Professor of Medicine.

Ronald P. Monsaert, M.D. has been appointed a Clinical Professor of Medicine.

Alan R. Spitzer, M.D. has been appointed a Professor of Pediatrics, and Director of Neonatology.

Ralph A. Starkey, M.D. has been appointed a Clinical Professor of Medicine.

Frederick S. Sunderlin, Jr., M.D. has been appointed a Clinical Professor of Medicine.

Aleksander Talerman, M.D. has been appointed the Peter A. Herbut Professor of Pathology and Cell Biology.

Vincent J. Varano, M.D. has been appointed a Clinical Professor of Medicine.

Robert L. A. Walker, M.D. has been appointed a Clinical Associate Professor of Medicine.
Inspirng
Physicians
to Write

Novelist, Television Personality, and Research Endocrinologist
Marshall Goldberg Challenges Students to Tackle Creative Writing

by Don Fey

When they put their minds to it, physicians can write with the best of them. Frank G. Slaughter, A. Conan Doyle, Walker Percy, S. Weir Mitchell, Michael Crichton, Robin Cook, A. J. Cronin, W. Somerset Maugham, and Lewis Thomas are just a few examples of medical students and physicians who have used their training as a springboard to literary success. In some cases, they abandoned their medical careers entirely.

Not so with E. Marshall Goldberg, M.D., Professor of Medicine at Jefferson Medical College. He not only finds time to continue his clinical practice and to do cancer research while working on his medically oriented novels and screenplays, but he is offering an inside view of the writing game to students. His sophomore seminar "Medicine, Medical Writing, and Literature" was taken this spring by about a dozen students and interested faculty and staff members. It is the latest in a series of writing courses that Jefferson has offered over the years.

In addition to bringing students face-to-face with prominent professionals from Broadway, Hollywood, network television, journalism, and publishing, Dr. Goldberg's seminar asks participants to complete brief creative writing assignments and to read works of fiction and nonfiction by or about physicians and their work. These range from such old-timers as Arrowsmith by Sinclair Lewis and Microbe Hunters by Paul de Kruif to more modern books like The Double Helix by James Watson and The Denial of Death by Ernest Becker. One of Dr. Goldberg's own novels, Critical List, was first read by the class and then seen as a feature film. This enabled students to follow the transition from novel to script and final production.

Mr. Fey is Associate Director of Development and Director of Development Communications at Thomas Jefferson University.
Discussions are freewheeling, offering students the opportunity to probe beyond the obvious and to challenge their own assumptions. Class topics this spring ranged from retroviruses and the nature of God to differences between magic and science and the idea that evil may be the result of incomplete genetic programming. On other days, the seminar zeroed in on the mechanics of the creative process and on how different media handle the same material.

**Why We Need Doctor/Writers**

Dr. Goldberg, who published his first book in 1954 and is now working on his eleventh, believes doctors have a special obligation to write about their work. He told a group of medical writers in April, "It's important [for the public] to understand how generations of doctors feel." When physicians do not bring their views before the public, he points out, they in effect abandon the field to quacks, hacks, and opportunists. "There are not many active M.D. writers now, and people still don't really understand doctors and what they do."

His own fiction, which centers on a doctor called Dan Lassiter, weaves recent developments in medical practice or research into the story line. Love, death, God, and conflicts between necessity and medical ethics are major underlying concerns. This approach, he says, gives him the opportunity to "teach, preach, and entertain all at the same time." The formula seems to work well because he has had one best-seller, *The Karamanov Equation*, and several of his books have been made into films.

**Whatever Happened to the Doctor as Hero?**

Back in the early sixties, when Dr. Goldberg was writing scripts for the "Dr. Kildare" series, physicians ranked high in the public's esteem. The tradition that had begun with Gene Hersholt portraying the saintly Dr. Christian in movies of the thirties and Lionel Barrymore playing mentor to Lew Ayres in the Kildare films of the forties still held true. (Medical school applications from 1962 to 1967 were the highest in history according to Dr. Goldberg.) However, the trend toward greater realism that began with the hard-boiled "Ben Casey" series in the sixties and culminated in shows like "M*A*S*H" during the Vietnam War era corresponded with the public's rejection of authority figures.

At some point, says Dr. Goldberg, the public seemed to tire of highly predictable, old-style doctor shows that focused on a single case. To hold the public's attention today, programs like the long-running "St. Elsewhere" mix five or six sexual episodes in with medical content to keep the public from changing channels.

Unfortunately, the same problem seems to have spilled over into other areas of writing, including medical journalism and television reportage. Physicians can no longer tiptoe with impunity through the mine fields of our media-dominated culture. By inviting media experts to speak at his seminar, Dr. Goldberg gives his students an opportunity to learn how "the other side" looks at medicine and doctors, and why their viewpoints often conflict with those of medical professionals.

**How the Media Handle Medicine Today**

To illustrate how professional writers exploit medical subjects in different ways, Dr. Goldberg asked a veteran screenwriter, an experienced medical journalist, and a TV talk show host to take part in the class. They were Roger Hirson, who wrote the screenplay for *Patton*, the teleplays for a "A Christmas Carol" and "The Old Man and the Sea," and the book for the musical *Pippin*; Donald Drake, who has been the leading medical writer at the *Philadelphia Inquirer* for 25 years; and Wally Kennedy, host of "A.M. Philadelphia" and a moderator of both radio and TV talk shows since the sixties.

Hirson, who graduated from Yale University in 1948 with a degree in playwriting, has often used medical themes for his work. He started in television as a writer for "Philco Playhouse" in 1950. Being a writer brings power, he says, but in television and film this power is often abused. For example, TV doctors always get good results, even in docudramas; real doctors do not. The public expects real doctors to be like TV doctors, and this expectation, he notes, may be at the root of many malpractice suits. Another problem is that networks look for exploitabe scenes with visual impact that often have no basis in fact. Fear of the channel changer, he says, is wrecking television.

Donald Drake, one of six medical reporters at the *Inquirer*, also happens to be a playwright. His play *A Clear and Present Danger*, about paranoid schizophrenia in a teenage girl, was presented at the Walnut Street Theatre this spring. Drake says he often converts complicated medical stories into "little plays" to put them into human terms. Most straightforward medical articles by physicians, he says, are presented in a very different way than a news story.

Few medical writers are physicians, Drake says, because the main part of the job is writing, not mastering the information. Medical journalists are also hampered by a limited amount of space in reporting breaking stories, usually 1,500 words or so. "The sad thing is that medical writers give more hope than is justified," says Drake, and that "although medical news stories usually get the facts right, their conclusions are often wrong." The conflict between personal and professional ethics is as constant with medical journalists as with doctors, he told the class.

One problem, he says, is press conferences at big medical meetings which create pressure to cover stories just because others will.

Wally Kennedy, the TV host, pointed out to the class that, prior to 1968, most doctors would not go on television. His earliest interviews were with "Dr. Spock types" and were based on AMA press releases. This was pretty tame stuff compared to his 1972 interview with William Nolen, M.D., author of *The Making of a Surgeon*, which talks openly about fatal mistakes in surgery. Kennedy, who interviewed Dr. Goldberg about the Nolen book, says older doctors still dislike this kind of openness because it denies their training to "be careful, take the data, and be sure it's right before you act."

Whether they happen to be the attending physician in a celebrity tragedy, are doing a talk show interview, or are part of a panel discussion, television forces doctors to become performers. This is something, Kennedy points out, in which they have no experience.

**Advice on Writing**

Much of the class, obviously, deals with the nuts and bolts of putting words on paper. "There's rarely a sentence over ten words that can't be improved," says Dr. Goldberg. That is why he recommends that all aspiring
Putting the Pieces Together

"Everything you write in fiction should serve one of three things," says Dr. Goldberg. "It should develop character, set the mood, or move the plot."

To write a book that sells, he says, you need a plot, a theme, good characters, mood, conflict, momentum, and resolution. The plot of his novel *Intelligence* involves computers, the CIA, the KGB, and higher orders of intelligence. The concept is that bio-chips implanted in the human brain, and assisted by nerve growth factor, could develop a super intelligence.

"In plotting," Dr. Goldberg tells his students, "question all your assumptions. A good doctor and a good writer never make unnecessary assumptions. Anything you can prove simply, prove it."

In creating characters he follows F. Scott Fitzgerald’s advice. "Fitzgerald said when you develop characters, start with a person in mind. That way you’ll wind up with a character. When you start out with a character, you usually wind up with a stereotype.

"It’s a good idea to give villains human quirks," Dr. Goldberg says. His villain in *The Karamanov Equation* has the habit of using an nasal inhaler at key points. Dr. Goldberg explains that this also helps the reader to know something is about to happen.

"Heroes should have human failings," adds Dr. Goldberg. "And it’s important to get all the main characters on stage early."

Setting a convincing mood is largely a matter of writing distilled description. "You can usually tell a good writer in two or three pages," he says.

Conflict makes the read interesting. In a medical novel, this is typically a choice between doing the human thing and doing the scientific thing, says Dr. Goldberg. "Deciding who gets help and who doesn’t." Momentum is important too. "Pull the readers along and don’t let up on them," he advises. "Keep them in suspense, but not too long. They have to trust you." And resolution, the outcome of the book, should make the reader happy that he or she read it.

Dr. Goldberg believes the discipline of writing a book will help to make medical students or practicing physicians better doctors in the long run. "Writing makes you more conscious of living," he says. "It teaches you to think things through to a conclusion. You’re not really a writer until you finish a book. But then, they say no one ever truly finishes a book. He simply abandons it." ◊

Dr. Goldberg’s seminar will be offered again in the spring of 1991.

Field of Poppies, oil on canvas by Elizabeth J. Zeleznik, who was the featured artist at the twenty-second annual Jefferson Art Exhibit in May.

*Ms. Zeleznik studied sculpturing under Arlene Love at the Philadelphia Museum of Art. She graduated from the Pennsylvania Academy of the Fine Arts in 1985, receiving the prize for perspective.*

*Working principally in pastel and in oils, she prefers flowers in fields or gardens, and informal portraits, often groups. At times she experiments with a degree of abstraction.*

*Ms. Zeleznik has participated in juried shows of the Woodmere Art Museum in Chestnut Hill, the Cassatt Mansion Invitational Exhibition, and the Fellowship of the Pennsylvania Academy of the Fine Arts. She exhibited work in the Art at the Armory 1990 show in April.*

*Ms. Zeleznik is the wife of Carter Zeleznik, Ph.D., Research Assistant Professor of Psychiatry and Human Behavior (Psychology).*
Class Notes

'28
C. Kenneth Schloss, 2000 Stoneybrook Trail, Fairborn, OH 45324, is 85, and has "no mental or physical problems." He spends five months of the year in Florida.

'30
Reunion Class
Leon L. Berns, 1300 Knox Rd., Wynnewood, PA 19096, still has an active practice, and is associated with Jefferson's Department of Anatomy. He and his wife, Mildred, recently took a cruise to South America.

'32
David Gelfand, The Fairways, #419, 3330 N. Leisure World Blvd., Silver Spring, MD 20906, has completed retirement, and has moved from the city to the country.

Frederick B. Haar, 610 S. Oak St., Greenville, NC 27834, is still practicing general pediatrics.

'33
Nicholas F. Vincent, 2119 O'Hara Ct., Columbia, SC 29204, has retired, but still attends medical programs and reads medical journals. He also plays tennis three times a week.

'36
James F. Burke, 4 Wiltshire Rd., Philadelphia, PA 19151, is pleased to report that son James F. Burke, Jr., '66, 246 Wyncote Rd., Jenkintown, PA 19046, is a Clinical Professor of Medicine and head of the dialysis unit at Jefferson, and daughter M. Linda Burke is in the Class of '91.

'40
Reunion Class
Louis H. Winkler, Jr., 1741 Cloverleaf St., Bethlehem, PA 18017, was honored in January by the Northampton County Medical Society for his 50 years in medicine.

'43
Adolph Friedman, 5932 Hubbard Dr., Rockville, MD 20852, is still in the active practice of endocrinology, but with reduced hours. He shares an office with his son, who is a plastic and reconstructive surgeon.

'44
Vincent J. Cattie, 501 N. Bethlehem Pike, G12, Ambler, PA 19002, has retired from surgery, but continues as Medical Director of Crown Cork & Seal Company.

Raymond A. McCormack, Jr., 125 Buckingham Ave., Trenton, NJ 08618, has been golfing, bowling, fishing, reading, and spending time at his retreat in the Poconos.

'45
Reunion Class
William T. Lineberry, Jr., 1890 Edgecliff Dr., Fullerton, CA 92631, is semiretired, working about 20 hours a week in industrial medicine.

Desmond S. O'Doherty, 3540 N. Valley St., Arlington, VA 22207, is now Chairman Emeritus of the Department of Neurology at Georgetown University Medical School. He will retire from practice in July.

'47
William B. Abrams, 220 Spruce Tree Rd., Radnor, PA 19087, received a special citation in January from James Benson, Acting Commissioner of the Food and Drug Administration, for establishing and managing the Office of Professional Development, and the Staff College, within the FDA's Center for Drug Evaluation and Research. Dr. Abrams had worked there part-time since June 1988, developing training programs for FDA medical reviewers. He remains a consultant to the CDER, but is concentrating now on coediting the forthcoming Merck Manual of Geriatrics.

John R. Bowen, 11 Coldstream Ln., Pinehurst #6, Pinehurst, NC 28374, retired in February, and has been playing a lot of golf.

Robert B. Funch, Box 284, Crockett Ridge Rd., Norway, ME 04238, continues "to enjoy semihermitelirement on the shores of Lake Penessewasset in Maine with occasional locums in Wyoming, Utah, Montana, Kentucky, North Carolina, Georgia, and Pennsylvania to keep my hand in and to see the country."

Laurence A. Mosier, 1576 Amarita Ln., Anaheim, CA 92802, has been doing woodworking, taking classes at local colleges, and fishing. In March he hauleder to Baja California.

Charles J. Rodgers, 1434 Keller Ave., Williamsport, PA 17701, retired in April.

'52
Joseph Hodge, 864 N. Church St., Spartanburg, SC 29303, has had the second edition of Surgical Anatomy, the text he wrote with the late John E. Healey, '48, published by Decker.

Paul W. McIlvaine, 218 Mulberry St., Bristol, PA 19007, is serving on the Board of Directors of Lower Bucks Hospital.

'53
Lansing H. Bennett, American Consulate General Rio, APO Miami, FL 34090, has been posted to the American Consulate General in Rio de Janeiro.

Richard E. Dalrymple, 17 Hillbrook Way, Pensacola, FL 32503, had to retire due to failing renal function, and misses seeing his "patient friends." But he is "quite relieved not to have to deal with the 'business' of medicine in the mold into which government and social pressures are forcing the profession."

Roy H. Hand, 1851 Acorn Ln., Abington, PA 19001, has been retired from the American Board of Surgery.

John H. Harris, Jr., 2351 Underwood St., Houston, TX 77030-3627, has been inducted as a Fellow of the American Academy of Orthopaedic Surgeons.

Robert M. Mead, 10121 S.W. 137th Ct., Miami, FL 33186, and his wife, Patty, moved a year ago to Miami, where their primary care physician is Leonard Brodsky, 10725 S.W. Seventy-second Ave., Miami, FL 33156.

Jay A. Nadel, 2373 Pacific Ave., San Francisco, CA 94115, is delighted that one of his students, Donald L. Emery, '81, 2 Independence Place, #707, Philadelphia, PA 19106, is now Assistant Professor of Medicine at Jefferson.

'54
Norris B. Groves, 509 Edgemont Terr., Martinsburg, WV 25401, is Vice President of the West Virginia State Board of Educators and of the State Board of Rehabilitation, and Chairman of the Board of Directors of the Eastern Panhandle Training Center for the Handicapped.

E. Franklin Stone, Jr., Berlin MEDDAC, P.O. Box 4813, APO New York, NY 09742-3366, has been chief of the Exceptional Family Member Service Clinic at the United States Army Hospital in West Berlin since January 1989, and reflects, "These have been exciting times in this part of the world!"

'55
Reunion Class
Burton Schafer, 1703 Saratoga Ct., Voorhees, NJ 08043, is chairman of a large group of radiologists serving Underwood Memorial and Elmer Community Hospitals.

'56
James P. Boland, 1939 Parkwood Rd., Charleston, WV 25314, is Chief of Staff at Charleston Area Medical Center for 1990.
James H. Corwin, 1506 Roberts Dr., Jacksonville Beach, FL 32250, has been elected President of the Florida Surgical Society.

'57
Otto Y. T. Au, 407 New World Tower, 16-18 Queen's Rd. Central, Hong Kong, China, wishes Kung Hai Fat Choi to all.

'58
Carl R. Bemiller, 2233 Mahantongo St., Pottsville, PA 17901, is President of the Medical Staff of Pottsville Hospital, and President of the Schuylkill County Medical Society.

Richard E. Eshbach, Box 4, Ninety-seventh General Hospital, Dept. of Psychiatry, APO New York, NY 09757-3398, enjoyed attending the annual Christmas party in West Germany of William A. Stecher, Box 11, Second General Hospital, APO New York, NY 09180.

George E. Hudock, Jr., 51 E. Valley View Dr., Courtdale, PA 18704, has been appointed a charter member of the Coroner's Education Board of Pennsylvania, and has been reelected Secretary of the Medical Staff of Mercy Hospital in Scranton.

Daughter Jude A. Hudock, '88, 1500 Locust St., #2416, Philadelphia, PA 19102, is a second-year pathology resident at Jefferson.

Henry E. Seidel, 708 Wesley Rd., Ocean City, NJ 08226, has decided after 25 years to turn over the directorship of the clinical laboratory at Shore Memorial Hospital in Somers Point to his associate, but is still practicing.

'60
Reunion Class
Milton L. Friedman, 203 Marco Rd., Elkins Park, PA 19117, has been writing a weekly column as science correspondent for Montgomery Newspapers of suburban Philadelphia. He is President for the sixth time of the Rittenhouse Astronomical Society, which meets monthly at the Franklin Institute. Last winter he lectured at the Atwater Kent Museum on "Astronomy and Medicine in Colonial Philadelphia."

Wilmer M. Rutt, 1064 Beechmont St., Dearborn, MI 48124, after several years as Acting Chairman of the Department of Medicine at Henry Ford Hospital in Detroit, is now Director of the Center for Clinical Effectiveness and Program Director of a new fellowship in general internal medicine.

'61
Charles L. Deardorff, Jr., 1929 Millersville Pike, Lancaster, PA 17603, has been elected to the Board of Trustees of St. Joseph Hospital.

'63
Henry F. Smith, 126 S. Mountain Blvd., Mountaintop, PA 18707, has been recertified by the American Board of Family Practice.

'65
Reunion Class
Louis A. Karp, 700 Spruce St., Philadelphia, PA 19106, has been named Chief of the Section on Ophthalmology at Pennsylvania Hospital.

Margaret M. Libonati, 503 N. Twentieth St., Philadelphia, PA 19130, presented "Anesthesia Management of Ophthalmological Trauma" at a conference, "Anesthetic Considerations for the Trauma Patient," sponsored by Hahnemann University.

'66
Robert A. Goldstein, M.D. '66, Ph.d., 514 Craig Ln., Villanova, PA 19085, has been named Director of the Division of Allergy, Immunology, and Transplantation of the National Institute of Allergy and Infectious Diseases. Dr. Goldstein had been Acting Director of the Division for a year.

'67
Burton W. Schwartz and Judith Parker Schwartz, '70, 7017 Falling Springs Rd., Fort Worth, TX 76116, got together with Martin A. Tohey, '70, 811 Fifth Ave., Fort Worth, TX 76104, and his wife, Judy, last fall for the bar mitzvahs of each other's sons.

Upcoming Alumni Trips
A ski trip to Beaver Creek, Colorado is planned for January 6-12, 1991. The University of Rome will cosponsor a trip to Sicily June 9-15, 1991, just after Alumni Weekend.

'68
Irving S. Colcher, 117 Hemlock Dr., North Wales, PA 19454, has been named Chief of Pediatrics at Sacred Heart Hospital in Norristown.

Barry Corson, 790 Penlyn Pike, Suite 102, Blue Bell, PA 19422, has been joined in his family practice by Jane A. Spitzko, '56, 1635 Ft. Washington Ave., Maple Glen, PA 19002.

Mark R. Stein, 2 Sheldrake Cir., Palm Beach Gardens, FL 33418, has been appointed Chief of the Department of Allergy at Good Samaritan Hospital in West Palm Beach.

'69
Lawrence S. Berman, 11 N.W. Eighty-eighth Terr., Gainesville, FL 32607, is President-elect of the Florida Society of Anesthesiologists.

Barry S. Smith, 9214 Raeford Dr., Dallas, TX 75243, has been appointed Chief of the Department of Physical Medicine and Rehabilitation at Baylor University Medical Center.

'70
Reunion Class
Ronald I. Blum, 5 Gardner St., Patten, ME 04765, has been made a Fellow of the American College of Occupational Medicine. He is seeking an associate or partner for his busy rural practice.

Robert P. Johnson, 517 Airport Rd., New Holland, PA 17557-9364, has been elected President of the Medical and Dental Staff of Lancaster General Hospital.

Dr. Johnson

Charles R. Schleifer, 67 Overhall Rd., Bala Cynwyd, PA 19004, recently opened the Valley Forge Dialysis Center at Phoenixville Hospital.

Paul M. Selinkoff, 7210 Louis Pasteur Dr., #200, San Antonio, TX 78229-4504, is Vice President of the San Antonio Surgical Society.

'71
Robert E. Chandlee, 2929 Rivermeade Dr, NW, Atlanta, GA 30327, saw John A. Belis, 7138 Red Top Rd., Hummelstown, PA 17036, who was in Atlanta for the American College of Surgeons meeting.

Robert C. Snyder, 419 Seventh St. SE, Washington, DC 20003, has left the Department of Breast and Gynecologic Pathology of the Armed Forces Institute of Pathology, and has joined Maryland Medical Laboratory in Baltimore. He "welcomes any breast or gynecologic pathology consults."

'72
William L. Blessler, Mounted Rt. Valley View Rd., Huntingdon, PA 16652, has been elected to the Board of Directors of J.C. Blair Memorial Hospital.

Anthony J. Calabrese, 1300 Argyll Dr., Arnold, MD 21012, has been made a Fellow of the American College of Gastroenterology.
Sandra Slade Mossbrook, 312 S. Fourth St., Lander, WY 82520, is "taking three months off from doctoring to see how the other half lives - it's wonderful to be a lady of leisure for even a short while!"

James R. Roberts, Mercy Catholic Medical Center, Fifty-fourth St. and Cedar Ave., Philadelphia, PA 19143, has been named Director of Emergency Medicine at Misericordia Hospital.

Marshall A. Salkin, 87 Kailulu Pl., Kailua, HI 96734, has retired from private practice and lives in Hawaii with his wife, Ellen, and children Lauren, age nine, and Jordan, age five. He would like to hear from any classmates visiting the area.

Barry P. Skeist, 105 Chemung St., Waverly, NY 14892, writes, "I'm in my fifth year at the Guthrie Clinic and likely to stay here forever. I already know where I will put an elevator into my 130-year-old house when I'm too old to climb the stairs. My wife, Destiny, and I are into polka dancing."

Cheryl R. Zaret, 111 N. Wabash Ave., Suite 911, Chicago, IL 60602, is serving a two-year term as President of the Chicago branch of the American Medical Women's Association. She has been elected to the Executive Committee of the medical staff of Northwestern Memorial Hospital, and to the position of Secretary/Treasurer of the Northwestern Women Physicians' Organization.

Rodney A. Appell, 37 Colony Rd., Gretna, LA 70056, has been promoted to the rank of Professor of Urology at Louisiana State University Medical Center in New Orleans.

Ivan H. Jacobs, 40 Stirling Rd., Suite 206, Watchung, NJ 07060-5730, has opened a second office in Westfield and has been joined by an associate.

Alan S. Josselson, 120 Chester Ln., Ambler, PA 19002, reports that his practice has grown to three with the addition of Ronald Barnett, M.D., a former Chief Resident in Medicine and pulmonary fellow at Jefferson.

Mark S. Pascal, 1349 Mercedes St., Teaneck, NJ 07666, has been elected Treasurer of the Oncology Society of New Jersey.

David H. Paul, 950 Red Sandstone Rd., #13, Vail, CO 81657, has been appointed the first Medical Director of Vail Valley Medical Center. He and his wife, Lois, have been enjoying outdoor sports.

John P. Lubicky, 133 Schooner Ln., Barrington, IL 60010, has been appointed Chairman of the Program Committee of the Scoliosis Research Society.

James D. Plumb, 819 E. Bishop St., Bellefonte, PA 16823-1327, has been named Medical Director of Geisinger Medical Group in Centre County.

Stephan H. Whitmack, 8400 St. Martin’s Ln., Philadelphia, PA 19118, has joined the medical staff of Germantown Hospital.

John E. Hocutt, Jr., 20 Carillon Ct., Wilmington, DE 19803, is serving as Coeditor of Family Practice Bulletin.

John M. Rominger, 378 W. Church St., Elmir, NY 14901, and his wife, Mary Helen, had a son, Sean Patrick, in August 1989. Dr. Rominger's gastroenterology practice is growing to three associates.

Halley S. Faust, 5 Timrod Ln., West Hartford, CT 06107, has been named Vice President of the Healthcare Network Department in the Employee Benefits Division of Aetna Life & Casualty.

Scott M. Goldman, 26 Summit St., Philadelphia, PA 19118-4033, has been made a Fellow of the American College of Surgeons and of the American College of Cardiology.

Ted M. Parris, 205 David Dr., Havertown, PA 19083, is currently Editor of the Journal of Invasive Cardiology.

Samuel R. Ruby, 6 Todmorton Dr., Rose Valley, PA 19066, and his wife, Beth, have a new daughter, Victoria Ellis Ruby.

### TELEPHONE CHANGE

As of February 3, Jefferson's telephone exchange changed from 928 to 955, so the Alumni Association office is now at (215) 955-7759. The fax number to the Alumni Association office, however, remains (215) 923-5589.

**'73**

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**'74**

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**'75**

**Reunion Class**

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**'77**

**Thomas J. Campfield**, 9 Eastwood Dr., Wilbraham, MA 01095, and his wife, Deborah, had a daughter, Melanie Anna, in October.

**Joseph A. Colletta**, 915 Hyacinth Dr., Delray Beach, FL 33483, and his wife, Kathy, had a son, Matthew Joseph, in December.

**John A. Ferriss**, 1595 Woodhaven Dr., Hummelstown, PA 17036, has been made a Fellow of the American College of Physicians.

**Robert J. Lawlor**, 453 Margo Ln., Berwyn, PA 19312, has added Kyle L. Forsyth, '84, 1626 Eldridge Dr., West Chester, PA 19380, and **Robert W. Priem**, '85, 343 McMull Dr., Wayne, PA 19087, to his seven-person family practice group in Devon.

**Joseph J. Ruzbarsky**, 364 Gravel Pond Rd., Clarks Summit, PA 18411, has been awarded the certificate of special qualifications in critical care medicine by the American Board of Anesthesiology.

**Paul R. Weber**, 3502 Via Campesina, Banchon Palos Verdes, CA 90274, has been elected Chief of Obstetrics at Women's Hospital of Long Beach Memorial Medical Center. He reports that Women's Hospital has the lowest risk-adjusted perinatal morbidity and mortality rates in California.

**'78**

**Robert B. Berger**, 16 Copper Vail Ct., Princeton, NJ 08540, is Vice President of the Medical Staff of the Medical Center at Princeton.

**Ellen F. Brooks**, 25926 E. Byron Rd., Shaker Heights, OH 44122, is Chief of the Mental Health Clinic at the V.A. Medical Center in Cleveland, and is on the psychiatry faculty at Case Western Reserve School of Medicine.

**Richard S. Buza**, 3228 Cold Springs Rd., Huntingdon, PA 16652, has been board certified in emergency medicine.

**Gregg E. Cregan**, 1425 Plaza Dr., P.O. Box 25007, Winston-Salem, NC 27114, has been made a Fellow of the American Academy of Orthopaedic Surgeons.

**Jeffrey W. Dietz**, P.O. Box 5086, Novato, CA 94948, was married last year, and is enjoying sailing off of northern California. He is an emergency physician at Marin General Hospital.

**Jose R. Garcia**, 2067 Greenwood Rd., Allentown, PA 18103, has been elected a Fellow of the American College of Physicians, and has been board certified as a Diplomate in geriatric medicine.

**M. David Lauter**, 183 Goodwin Rd., Eliot, ME 03903-1613, and his wife, Diane, had a daughter, Sara, in December.

**Mark F. Schiowitz**, 35 Linden St., Suite 220B, Wilkes-Barre, PA 18702, has had his article "The Relationship of Patient Volume to Trauma Mortality" accepted for publication in The British Journal of Surgery. The article is based on a three-year study at Wilkes-Barre General Hospital.

**Douglas B. Yingling**, 1212 Turnpike Ave., Clearfield, PA 16830, and his wife, Barbara, had their third child, Molly, in October.
Frank J. Yoho, 497 Gilmore St., Meadville, PA 16335, has been elected to the Executive Committee of the medical-dental staff of Meadville Medical Center.

'79

John M. Berardinis, 444 S. San Vicente Blvd., Suite 600, Los Angeles, CA 90048, has opened new offices in Los Angeles for the practice of general surgery.

Howard B. Cotler, 10727 Paulwood Dr., Houston, TX 77071, and his wife, Susan, had a son, Mitchell Lewis Cotler, in October. Dr. Cotler is now associated with the Texas Back Institute, a multidisciplinary group of physicians specializing in spine disorders. Springer-Verlag recently published Spinal Fusions: Science and Technique, edited by Dr. Cotler and his father, Jerome M. Cotler, '52, 1015 Walnut St., Philadelphia, PA 19107.

Brian R. Ott, 56 Alfred Drowne Rd., Barrington, RI 02806, has been appointed an Assistant Professor at Brown University and a staff neurologist at Roger Williams General Hospital in Providence.

Barbara Pittner Seizert, 11332 Creekridge Dr., Eden Prairie, MN 55344-5569, has joined the staff of Sister Kenny Institute, an inpatient and outpatient rehabilitation center in Minneapolis.

'80

Reunion Class

Mark D. Chilton, 8110 Clearfield Rd., Frederick, MD 21701, has been inducted as a Fellow of the American Academy of Orthopaedic Surgeons.

Joseph M. Devlin, 1776 S. Queen St., York, PA 17403, has been recertified by the American Board of Family Practice.

Stephen A. Geraci, P.O. Box 6505, Silver Spring, MD 20906, will leave the private practice of cardiology in July for a fellowship in clinical pharmacology at the Uniformed Services University of the Health Sciences.

Angela E. Lin, 401 Amberson Ave., #322, Pittsburgh, PA 15232, writes of Margaret L. McLaughlin, 10 Durham St., #4, Boston, MA 02115-5305, "Meg and her husband, Tony Lecesse, had a baby boy named Timothy Francis in January. Tim is looking forward to his first Pub Night."

Raymond S. McLaughlin, 707 E. Baltimore Ave., Suite D, Kennett Square, PA 19348, will be a physician for the Tour de Trump race in May.

Frederick E. Millard, 3314 Hawthorn St., San Diego, CA 92104-5619, writes that he and his family will depart San Diego this fall when he joins the Hematology Division at Geisinger Medical Center in Danville, Pennsylvania, so "donations of sweaters, hats, and mittens are requested."

David M. Robinson II, 3358 S. El Macero Dr., El Macero, CA 95618, has been appointed Program Director for Outpatient Surgery at the University of California at Davis, where he is an Assistant Clinical Professor of Anesthesia. His wife, Cynthia B. Robinson, '82 will become an Assistant Professor of Pulmonary Medicine at U.C.-Davis in July.

Gary J. Silko, 24 Gina Dr., Washington, PA 15301, and his wife, Teresa, have a new baby, Susan Elizabeth.

John R. Starynski, 750 Cinnamon St., Philadelphia, PA 19120, has been made a Fellow of the American College of Surgeons.

A Degree is a Degree

But since your diploma is from Jefferson Medical College, please refer to your degree as being from Jefferson Medical College.

'81

Kelly J. Acton, 9600 Madera Dr., Missoula, MT 59802, and her husband, John Peterson, have moved to Montana with their "little firecracker," Mariah Jeanne Acton Peterson, who will be two years old in July. Dr. Acton has been appointed Medical Director of the Public Health Service facility on the Flathead Indian Reservation; her office is at the foot of the scenic Mission Mountains.

Kenneth A. Buckwalter, 920 E. Sixth-second St., U4, Indianapolis, IN 46220, completed a master's in bioengineering at the University of Michigan in the spring of 1989. He then traveled to the Grand Canyon, Scotland, Ireland, and England, and worked in Malmö, Sweden for two months in bone radiology and MRI. Now he is a bone radiologist at Indiana University Hospital.

Francis P. Day, 110 Argyle Rd., Ardmore, PA 19003-2814, and his wife, Rose, had a daughter, Roseann, in November.

Dolores A. Siegel DePersia, 25 Lyman Ave., Woodbury, NJ 08096, who underwent two cervical discectomies and fusions a year ago, reflects that "everyone should have to be a patient at least once."

Richard G. Feduska, 1621 Red Mill Dr., Pittsburgh, PA 15241, has left the University of Pittsburgh after three years to become Chairman of the Department of Anesthesiology and Director of Cardiac Anesthesia at Shadyside Hospital. He and his wife, Barbara, had a son, Collin Steven, in January.

Robert R. Kester, 15 Second St., Elmont, NY 11003, won Second Prize for Clinical Research in the 1990 American Urological Association/CIRCON ACM Prize Essay Contest for his paper "Pharmacological Characterization of Neuroreceptor Activity in Isolated Human Prostate." He will present the paper at the annual meeting of the AUA in May in New Orleans.

Christopher J. Rosko, 2700 Al-Lin Cir., Birmingham, AL 35244, has been elected a Fellow of the American College of Emergency Physicians.

Craig L. Stabler, 201 Roderick Rd., Williamsport, PA 17701, has been appointed Medical Director of the Sports Medicine Center at Williamsport Hospital.

'82

Charles B. Krespan, 861 Westminster Dr., Lancaster, PA 17601, and his wife, Leisa, had a daughter, Elise Marie, in October.


David K. Moore, Route 5, Box 5014-4, Cleveland, GA 30526, and his wife, Ann, had a daughter, Christina Ann, in December.

Christopher M. Pezzi, c/o Drs. Pio and Susan Pezzi, 2500 Edgehill Rd., Huntingdon Valley, PA 19006, has joined the medical staff of Abington Memorial Hospital as an oncologic surgeon.

Devereux N. Saller, Jr., 63 Pocono Dr., Warwick, RI 02886, has been appointed an Assistant Professor at Brown University, and is a specialist in maternal-fetal medicine and genetics at Women and Infants Hospital in Providence. Dr. Saller and his wife, Carol, now have two sons.


'83

Peter B. Bergheton, 20 Whitney Dr., Sherborn, MA 02770, has had his book Biophysical Chemistry: Molecules to Membranes published by Springer-Verlag.


Barry S. Clemson, 954 Innsbruck Dr., Hummelstown, PA 17036, will assume the rank of Assistant Professor of Medicine at Pennsylvania State University College of Medicine in June. He will work in angioplasty and as Assistant Director of Cardiac Transplantation.

Steven A. Edmundowicz, 701 Gray Oaks, Oakland, MO 63122, and his wife, Anne Marie, will celebrate the first birthday of son Ryan Michael in July.
Eugene J. Hammell, Jr., 1029 Lakemont Dr., Bridgeville, PA 15017-1264, is practicing general surgery at West Penn Hospital in Pittsburgh.

David A. Hunsinger, 3872 U.S. Route 11, Cortland, NY 13045, has joined the Family Health Network in Marathon and Cincinnati.

Glenn A. Mackin, 289 Marlborough St., #3, Boston, MA 02116, has been appointed Assistant Director of Clinical Research in the multiple sclerosis unit at Brigham and Women's Hospital.

Henry F. Smith, Jr., Mercy Hospital Medical Arts Bldg., 8 Church St., Wilkes-Barre, PA 18765, presented an abstract, "Prevalence of Auto-Peep in Mechanically Ventilated Patients," at the annual conference of the American College of Chest Physicians.


Jeffrey J. Thatcher, 670 Lawn Ave., Suite 3A, Sellersville, PA 18960, has joined a family and internal medicine practice at Souderton Medical Center.

Bryan L. Yingling, 182 Oak Knoll Cir., Millersville, PA 17551, married Kathleen Holly Gerbert in January.

1984

Brook K. Bakewell, 6655 N. Canyon Crest Dr., #23204, Tucson, AZ 85715, married Colleen Marie Shehan in December.

Susan L. Cooley, 333 Phoebe Ct., Three Rivers, NJ 08810, has been certified by the American Board of Ophthalmology.

Jonathan S. Daitch, 3090 Southfield Dr., Beaver Creek, OH 43585, is working in anesthesia at Wright Patterson Air Force Base.

Joseph M. DellaCroece, 464 Trumbull Ct., Newtown, PA 18940, and his wife, Mary, had a daughter, Kimberly Renee, in September 1989.

Nathan B. Duer, 20 Crabapple Dr., Waynesburg, PA 15370, has been named Secretary of the Greene County Medical Society.

Terry L. Edwards, 98-1753D Kaahumanu St., Aiea, HI 96701, is a staff anesthetologist at Tripler Army Medical Center, where she is Medical Director of the Recovery Room and Director of Medical Education in the department. She is trying to establish a program for intraoperative evoked potential and EEG monitoring. Dr. Edwards and her husband, Steven Toby, have taken up flying and spend free time traveling to the other islands.

Gregory Halenda, 880 Cardinal Dr., Harrisburg, PA 17111, and his wife, Sharon, had a son, Kevin, in November.

1985

John J. Kelly III, 7575 Cambridge St., #2701, Houston, TX 77054, is finishing his second year of a three-year cardiology fellowship at the Texas Heart Institute of Baylor College of Medicine, and will serve as Chief Cardiology Fellow.

Randall E. Slimak, 10415 Burnt Ember Dr., Silver Spring, MD 20903, and his wife, Grace P. Goracci Slimak, ’85, will celebrate the first birthday of daughter Kaitlee Marie in July.

Kenneth S. Yonemura, 5443 E. Second St., Apt. B, Long Beach, CA 90803, is completing his neurosurgery residency at the University of California at Irvine and will begin a spine fellowship at Barron Neurologic Institute in Phoenix in July. He plans to return to the U.C.-Irvine staff following this fellowship.

Reunion Class

Nicholas J. Barna, 48 E. Fifth St., Bloomsburg, PA 17815, and his wife, Theresa, will celebrate the first birthday of son Nicholas in May.

Matthew L. Dalton, 4818 W. Lake Rd., Cazenovia, NY 13035, joined an anesthesiology group in Syracuse in July 1989. He and his wife, Marianne, will celebrate daughter Genevieve’s second birthday this summer.

Michael D. Gallagher, 2 Mitchell Ct., Hanover, PA 17331, has joined a family practice in Hanover.

Harvey L. Madonick, 2 Daralyn Ct., Pittsfield, MA 01201, has been made a Diplomat of the American Board of Internal Medicine.

Kathryn A. Reihard, 1741 Edgewood Hill Cir., #201, Hagerstown, MD 21740, has been board certified in emergency medicine.

Robert H. Zuch, 16452 Germain Cir., Huntington Harbour, CA 92649-1871, is finishing his fifth year of residency and postgraduate training in pathology at the University of California at Irvine, and will begin private practice in July.

1986

Karen S. Baker, 50 Wetherell St., Newton, MA 02164, after finishing her ophthalmology residency at New England Medical Center in July, will return home to Pittsburgh for a cornea fellowship at the Eye and Ear Institute of Pittsburgh.

Eliav Barr, 42 Spyce Mill Ct., Randallstown, MD 21133, is finishing a fellowship in clinical cardiology at Johns Hopkins Hospital, and in July will begin a molecular biology fellowship at the Howard Hughes Medical Institute of the University of Michigan.

John C. Cardone, 133 Leah Ct., Dayton, NJ 08810, presented a paper, "Alterations in Elastic Gene Expression Are Specifically Associated with a Genetic Susceptibility to Systemic Hypertension," at the annual meeting of the American College of Surgeons. The paper was based on research at Robert Wood Johnson Medical School.

Ralph F. Costa, 1300 S. Farmview Dr., #34, Dover, DE 19901, will work at the Dover Air Force Base Family Practice Clinic through July 1992.

Janice Huang Dickter, Maine Medical Center, 22 Bramhall St., Portland, ME 04102, and Brian S. Smith, 42 Noyes St., Portland, ME 04101, have both joined the medical staff of Central Maine Medical Center in Lewiston.

David J. Eschelman, 2306 Eighth St., Charlestown, MA 02129-1917, is Chief Resident in Radiology at Boston City Hospital and at University Hospital of Boston University Medical Center, and is "looking for a fellowship in vascular/interventional radiology."

Joanne Swift Hummel, 5502 Limeric Cir., #44, Wilmington, DE 19808, after completing her residency in obstetrics and gynecology in June, will join a group of four physicians in Marlton, New Jersey.

Daniel D. Kessler, 18 Estates Ct., #6407, Pikesville, MD 21208, married Marlene Zerden in January.

Patricia McCormack, 101 Mary Ln., Scranton, PA 15505, after finishing her residency in obstetrics and gynecology in July, will join Ob-Gyn Consultants of Scranton.

Thomas J. Meyer, 211 E. Ohio St., #916, Chicago, IL 60611, and his wife, Harriet, had a son, Daniel Edward, in January.

Winslow W. Murdock, 1580 Overlook Pl., Malvern, PA 19355, has joined the Department of Family Practice at Paoli Memorial Hospital.

Robert A. Solomon, HHD USMCA, P.O. Box 251, APO New York, NY 09176, enjoyed witnessing firsthand the political changes in Europe while working in Heilbronn, West Germany. Next stop is Fort Belvoir, Virginia for a residency in family practice.

Keith R. Superdock, 957 Mountain Valley Dr., Nashville, TN 37209, is completing the first year of a nephrology fellowship at Vanderbilt University School of Medicine. He married Jennifer Odenwaldt in September 1989. Dr. Superdock often sees Francis J. Clark, 525 Landon Dr., Nashville, TN 37220, who is a resident in ophthalmology at Vanderbilt.

William S. Taddonio, 327 Catchpenny Ln., Media, PA 19063-5420, has joined the attending staff in family practice at Chesco Hospital.

1987

David G. Rooney, 855 Old Lancaster Rd., IA, Bryn Mawr, PA 19010, will join John N. Daghir, ’86, Highland Medical Center, Route
41, Cochranville, PA 19330, and James D. Knox, Jr., '86, 15 Red Oak Dr., Lincoln University, PA 19352, in a family medicine practice in southern Chester County.

'88

Frederic H. Goldberg, 1238 Callowhill St., #102, Philadelphia, PA 19123, married Julia B. Solomon in September.

Gregory E. Herman, 136D Castillo St., Salinas, CA 93907, is serving his family practice residency in Fort Ord, California.

Craig G. Richman, 4031 Balwynne Park Rd., Philadelphia, PA 19131, was married in October. He is a second-year resident at Eastern Pennsylvania Psychiatric Institute.

'89


Obituaries

Joseph M. Mirman, '16 died June 9, 1989 at the age of 97. A resident of Framingham, Massachusetts, Dr. Mirman had practiced internal medicine. He is survived by his daughter, Mrs. Maurice Liverman, of 7 Vaillencourt Dr., Framingham, MA 01701.

Victor Font-Suarez, '19 died November 7, 1981 (the Alumni Association was recently informed). Dr. Font-Suarez had been a family practitioner in Puerto Rico. He is survived by his wife, Mrs. Maurice Liverman, of 7 Vaillencourt Dr., Framingham, MA 01701.

Leslie L. Nunn, '25 died September 24, 1989. A resident of the State of Washington, Dr. Nunn was an amateur sculptor and painter. A veteran of both World Wars, he had served in the United States Army as a chief of surgery.

Myron M. Radom, '25 died November 6, 1989 at the age of 93. A specialist in internal medicine, Dr. Radom had lived in Hartford, Connecticut for most of his life.

Silvio Miceli, '27 died January 17, 1990 at the age of 84. A urologic surgeon, Dr. Miceli had served on the staff of Philadelphia General Hospital. Later he was Chief of Staff and Head of Urology for many years at both St. Agnes Medical Center and St. Joseph's Hospital. Dr. Miceli was a Fellow of the American College of Surgeons and a Diplomate of the American Board of Urology. He is survived by his wife, Anne, of 620 Spruce Ln., Villanova, PA 19085, and two daughters.

Alfred A. DeCato, '29 died November 26, 1989 at the age of 86. Dr. DeCato had been Chief of Surgery at Ashtabula County Medical Center in Ohio. He is survived by his wife and three children, one of whom is Alfred B. DeCato, '55.

William R. Floyd, '29 died December 15, 1986 (the Alumni Association was recently informed). Dr. Floyd had practiced general surgery.

Finley A. Kennedy, '29 died December 30, 1989 at the age of 84. Dr. Kennedy had been a family practitioner in his native Aiken, South Carolina. Chief of Staff at Aiken County Hospital for nine years, he had served on the Governor's Committee on Mental Health and on the Board of Directors of the North Augusta Banking Company. Very active in community work, Dr. Kennedy was a past President of the local United Way program. He became a clinician for Rural Health Services upon his retirement in 1977. He is survived by three daughters.

William A. Zavod, '29 died December 24, 1989 at the age of 89. A Professor Emeritus at Albert Einstein Medical College in New York City, Dr. Zavod had maintained a pulmonary medicine practice in Mount Vernon, New York. He had invented the Zavod bronchospirometry catheter, and the Zavod aneroid pneumothorax apparatus, used to treat tuberculosis before the advent of drugs. Dr. Zavod was a Diplomate of the American Board of Internal Medicine, and a Fellow of the American College of Physicians and of the American College of Chest Physicians. After retiring in 1973, he volunteered on medical missions to Central America. He is survived by his son, Robert Zavod, '63.

Edwin N. Murray, '33 died in October 1988 (the Alumni Association was recently informed). Dr. Murray had practiced cardiovascular medicine in New Jersey. He was living in Falls Church, Virginia, at the time of his death, and is survived by his daughter,
James T. Lohnes, Jr., '34 died December 19, 1989 at the age of 79. A resident of Johnsonville, New York, Dr. Lohnes had practiced family medicine. In World War II he had served as a Lieutenant Commander in the United States Navy.

Louis C. Jacobs, '36 died March 26, 1989 at the age of 79. Dr. Jacobs was a retired Rear Admiral and Assistant Surgeon General with the United States Public Health Service. He was a Diplomate of the American Board of Psychiatry and Neurology, and a member of the American Public Health Association. Dr. Jacobs is survived by his wife, of 4600 Connecticut Ave., Washington, DC 20008.

John C. Patterson, '42 died in September 12, 1989 at the age of 70. A resident of Freehold, New Jersey, Dr. Patterson had practiced psychiatry.

Sau Ki Wong, '45 died May 17, 1988 at the age of 70. Dr. Wong had practiced ophthalmology in his native Honolulu. He is survived by his wife, Paula, of 1020 Waiki St., Honolulu, HI 96821, two daughters, and three sons.

Charles N. Hickman, '47 died in September 1989. Dr. Hickman had been a family practitioner in Tennessee.

Albert Foster, '50 died October 3, 1985 at the age of 60 (the Alumni Association was recently informed). A resident of Rhode Island, Dr. Foster had practiced family medicine.

John W. Shaw, '52 died May 2, 1989 at the age of 64. Dr. Shaw had practiced internal medicine in Jacksonville, Florida.

Vernon B. Dettor, '53 died May 1, 1989. Dr. Dettor had served as Deputy State Health Officer for Charles County, Maryland. He is survived by his wife, Lucille, of 5024 Woodhaven Dr., La Plata, MD 20646, and five children.

Carl H. Bailey, Jr., '56 died November 16, 1989. A resident of Napa, California, Dr. Bailey was an otolaryngologist. He is survived by his wife, Virginia, of 3260 Beard Dr., Napa, CA 94558.

Arnold M. Goldman, '60 died July 15, 1989. Dr. Goldman had practiced radiology in Houston. He is survived by his wife, Judy, of 9107 Timberside Dr., Houston, TX 77025.

John G. Starr, '61 died October 29, 1989 at the age of 54. A pediatrician and epidemiologist, Dr. Starr was working as a Peace Corps physician in Zaire. He had been actively involved in the organization of the Peace Corps in Central and South America in the early 1960s. Dr. Starr had also practiced in Alaska. He is survived by a daughter and a son.

Bruce M. Titus, '61 died December 9, 1989 at the age of 61. Dr. Titus had served as Chief of Pulmonary Medicine at the Veterans Administration Hospital in Livermore, California. He had retired from the United States Navy Reserves as a Captain. Dr. Titus is survived by his wife, Gayle, of 5354 Sandra Way, Livermore, CA 94550, two daughters, and a son.

Fred Harbert, M.D., 1905–1990

by Emilio A. Roncone, M.D. '61, Clinical Associate Professor of Otolaryngology

Fred Harbert, M.D., Professor Emeritus and former Chairman of the Department of Otolaryngology at Jefferson Medical College, was born in Detroit in 1905. He received both the Bachelor of Arts and the Bachelor of Medicine in 1929 from Wayne State University. During his junior year he had married Frances Mary Clark. Dr. Harbert enlisted in the United States Navy and served an internship at the Naval Hospital in Philadelphia in 1928-29, upon completion of which he received the Doctor of Medicine from Wayne State University School of Medicine.

Dr. Harbert served in China and the Philippines as a general medical officer. Economic chaos and the Great Depression caused him to extend his Navy service; he went to Newport, Rhode Island, the Washington Naval Hospital, and American Samoa, and served a nine-month tour with the Civilian Conservation Corps. He learned to love Navy life.

Dr. Harbert decided to specialize in eye, ear, nose, and throat surgery. While at the Philadelphia Naval Hospital, he attended the University of Pennsylvania School of Medicine in 1937 and 1938 in otorhinolaryngology, and assisted Gabriel Tucker, M.D. in bronchoesophagology in 1938. That year he was certified by the American Board of Otolaryngology. He received the M.Sc.(Med.) from Penn in 1940, and the D.Sc.(Med.) in 1942.

During the Second World War, Dr. Harbert served as senior medical officer on hospital ships and on the battleship U.S.S. Alabama. In 1943 he was on temporary active duty at Illinois Eye and Ear Infirmary where he completed a residency in ophthalmology.

Dr. Harbert was certified by the American Board of Ophthalmology in 1946, and by the International Board of Surgery in 1949. He became a member of the American College of Surgeons, the International College of Surgeons, the American Academy of Ophthalmology and Otolaryngology, and the American Academy of Facial, Plastic, and Reconstructive Surgery.

Between 1947 and 1954, Dr. Harbert developed and supervised the residency training program in otorhinolaryngology and ophthalmology at the naval hospitals in Philadelphia and Bethesda, Maryland. At the University of Pennsylvania...
School of Medicine, he served as a Guest Lecturer in Ophthalmology from 1946 to 1952, and as a Visiting Lecturer in Otolaryngology from 1952 to 1967. He became an examiner for the American Board of Ophthalmology.

In 1951 Dr. Harbert was appointed Professor and Chairman of the Department of Otolaryngology at Jefferson Medical College. He continued on active duty with the Navy until 1954, when he retired as Captain. That year Jefferson's chairs of otology, rhinology, laryngology, and bronchoesophagology were combined, and Dr. Harbert was appointed Professor and the first Chairman of the Department of Otolaryngology, in which post he served until his retirement in 1970. His portrait was presented to Thomas Jefferson University in 1978 by his colleagues and many friends.

Dr. Harbert published more than 60 articles and contributed to several textbooks. He enjoyed clinical research, especially in audiology and vestibular physiology and pathology. More than anything he liked to teach; perhaps his greatest achievement was the training of many residents in otolaryngology. An exacting taskmaster and quizmaster, he emphasized the basic sciences of anatomy, physiology, pathophysiology, and audiology. Woe to the resident who was not prepared or did not contribute.

Dr. Harbert was very kind to his patients, spending a great deal of time with detailed descriptions of disease and treatment. He was always charitable towards his colleagues. Never would he utter an unkind remark about another physician or about the treatment of a patient.

Dr. Harbert had a rewarding family life. He is survived by five daughters.

He loved music, philosophy, religion, and history. He played tennis, golf, bridge, and polo, which he had learned in China, and was an expert bass fisherman. Some of his best papers he wrote at home with a long cigar in his mouth and a bottle of brandy on the table.

Dr. Harbert was interred at the Arlington National Cemetery with full military honors in February.

Former residents and students of Dr. Harbert live across the United States. Many are department heads. Dr. Harbert was one of the giants upon whose shoulders we now stand, enabling us to view new and exciting horizons.