1930s
James L. Whitenerberger, SB ’37, MD ’38, of Weston, Mass., wrote to say he regretted not being able to attend reunion weekend due to health problems and has many “fond memories of the University of Chicago.”

1940s
Elbert Tokay, PhD ’41, of Poughkeepsie, N.Y., enjoys retirement and chairs the Pre-Medical Advisory Committee at Vassar College, where he was a biology professor.

Maurice R. Hilлемan, PhD ’44, received the Prince Mahidol Award for his contributions to public health.

Raymond D. Goodman, SB ’42, MD ’44, is the medical director of the Medical Reserve Corps of Los Angeles, an organization primarily of retired health care professionals who serve as first responders in man-made or natural disasters. In 2002 he was elected into the UCLA School of Public Health Hall of Fame.

Maurice R. Hilлемan, PhD ’44, received the Prince Mahidol Award for his contributions to public health. As director of the Merck Institute for Virology, he pioneered the discovery and development of more than three dozen vaccines. Other awards include the National Medal of Science and the World Health Organization’s Special Lifetime Achievement Award, and election to the National Academy of Sciences, the Institute of Medicine and the American Academy of Arts and Sciences.

Window G. Fox, SB ’45, MD ’46, has moved to a retirement community with his wife, Elizabeth, PhD ’46, where they seek a simpler life in retirement.

Eugene Goonick, PhD ’47, SB ’48, MD ’52, retired from his obstetrics and gynecology private practice and is a clinical professor emeritus at the University of Southern California School of Medicine. An avid golfer, he lives in Palm Desert, Calif.

Janet D. Rowley, PhD ’45, SB ’46, MD ’49, recently received the Mendel Medal from Villanova University.

Ernst R. Jaffe, SB ’45, MD/SM ’48, has been retired for more than 11 years and resides in Tenafly, N.J.

Eugene Weinberg, SB ’42, SM ’48, PhD ’50, and wife Frances Icen Weinberg, PhD ’47, SB ’49, were profiled recently in the Bloomington, Ind., newspaper, The Herald Times about their lives as one of Bloomington’s first Jewish families. In September they celebrated their 54th anniversary. Gene retired 11 years ago after teaching 42 years at Indiana University and Fran retired in 1984 after teaching 15 years at Childs Elementary School.

Janet D. Rowley, PhD ’45, SB ’46, MD ’49, served as the University of Chicago’s deputy dean for science from January 2001 to November 2002. Recently she received the Mendel Medal from Villanova University, the Benjamin Franklin Award from the American Philosophical Society, an honorary degree from the University of Lund in Sweden and the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association. (See page 34.)

Eugene J. Van Scott, SB ’45, MD ’48, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 35.)

1950s
E. Russell Alexander, PhD ’48, SB ’50, MD ’53, retired from teaching but still has administrative duties with the Institute of Medicine's Committee on Smallpox Vaccination Implementation and other committees and boards.

Norman Cadman, MD ’53, had a pathology practice from 1962 to 2000 in Pomona, Calif., and now is a volunteer surgical pathologist in developing nations.

The Gold Key
Alumni may notice a change in the look of their association’s communications.

The Medical & Biological Sciences Alumni Association has embraced its former “official key” image for letterhead, newsletters and other communications.

Originally presented as a pendant to Billings Hospital residents, the Gold Key was adopted in 1944 as the association’s official symbol. Alumni also could get a key pendant engraved with their initials and graduation date.

In 1951 the association created the Gold Key Award to honor selected faculty and staff during alumni reunions.

“The Gold Key is an ideal brand for the association,” said association President Stephanie K. Williams, AB ’77, MD ’81. “[It] not only helps our communications stand out among other University alumni publications but [also] carries a rich history and the sense of excellence we associate with being part of the university.”

Celebrating 75 Years
Alumni and friends of the Pritzker School of Medicine and the University of Chicago Hospitals celebrated a joint 75th anniversary with festivities and awards this past June. Notable events included a ceremony in Rockefeller Memorial Chapel to honor the school’s faculty and staff who have inspired generations of students, revolutionized medical education and the care of patients, and set the standard for integrating research training with medical studies.

Several outstanding young alumni, who are judged to be among the nation’s emerging scientific leaders, were featured at the Rising Star Symposium, and exceptional alumni and faculty were honored with Distinguished Service Awards and Gold Key Awards, respectively.

Anthony F. Cutilletta, MD ’68
Cutilletta is medical director, associate dean and professor of pediatrics at Rush Children’s Heart Center in Chicago. The board-certified pediatrician and pediatric cardiologist is a partner and primary program developer in a practice management software company, and has held leadership and administrative positions in academic medical centers, hospital systems and private practices. Early in his career he investigated the molecular biology of cardiac growth and development, and did clinical research on primary hypertension. He has served on institutional compliance, and quality and process improvement committees.

James E. Dahlberg, PhD ’66
The Frederick Sanger Professor at the University of Wisconsin Medical School, Dahlberg did postdoctoral work in Cambridge, England, at Frederick Sanger’s laboratory and in Switzerland at the University of Geneva. His honors for his work on nucleic acid function and intracellular transport include the Eli Lilly Award for Biological Chemistry, the National Institutes of Health MERIT Award and the Italian National Research...
Alexander Erranian, MD ’53, enjoys retirement by gardening, entertaining his dogs, traveling, visiting friends, lecturing on wine, attending medical conferences and reading.

Bruce D. Ackerman
MD ’58 enjoys playing chess and attending the University of Chicago Alumni Book Club in New York City.

Frank W. Fitch, MD ’53, SM ’57, PhD ’60, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See below.)

Paul B. Glickman, PhB ’48, SB ’50, MD ’53, is an associate professor of medicine at Rush Medical Center and associate section director of the rheumatology section.

David S. Greer, MD ’53, is a professor emeritus at Brown University’s Department of Community Health and dean emeritus of medicine.

John H. Landor, PhB ’48, MD ’53, retired from a career in academic surgery and recently wrote From Anacostia to the North Star and Beyond, The Life of Lester Dragstedt, Physiologist-Surgeon.

Jean Hirsch Priest, PhD ’47, SB ’50, MD ’53, is a professor emeritus in pediatrics and medical genetics at Emory University.

Gerald Reaven, AB ’47, SB ’50, MD ’53, has been at Stanford University since 1959 where he teaches and does research.

Ira G. Wool, MD ’53, PhD ’54, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 36.)

Bruce D. Ackerman MD ’58, practices neonatology in New York. Hobbies include chess and attending the University of Chicago Alumni Book Club in New York City.

Charles M. Alexander, MD ’58, practices ophthalmology and teaches.

Robert A. Barber, MD ’58, is semi-retired as a professor emeritus of pulmonary critical care medicine. He writes, “It’s been a good career — no regrets.”

Cesar Breizith, MD ’58, retired after more than 20 years as university health services director at the University of Michigan. He now travels and enjoys golf, tennis and skiing.

Bryan J. Carder Jr., MD ’58, retired from practicing medicine in June 2001. He lives in Glendale, Ariz., where he enjoys gardening, traveling and digital photography.

Richard Ginz, MD ’58, retired after 16 years at the Veterans Affairs Medical Center in Salt Lake City, Utah. He audits classes at the University of Utah, studying such subjects as Latin, history, Middle East studies and anthropology.

Seth L. Haber, SM/MD ’58, and his wife, Roz, have been happily married for 47 years. They live in Palo Alto, Calif., and run their company, Pulho, which produces and distributes specialty products for anatomic pathologists. Seth also writes, audits classes at Stanford University and is switching from film to digital in his hobby of portrait photography.

Council’s Buzzati-Traverso Award for Molecular Biology. A member of the National Academy of Sciences, the American Academy of Arts and Sciences and the European Molecular Biology Organization, he also founded two biotechnology companies.

Frank W. Fitch, MD ’53, SM ’57, PhD ’60

The Albert D. Lasker Professor Emeritus at the University of Chicago, Fitch is internationally recognized as a cellular immunologist. The former John and Mary R. Markle Scholar and former director of the Ben May Institute, he was named a Commonwealth Fund Fellow and a

Guggenheim Fellow and received an honorary MD degree from the University of Lausanne and a Basic Science Teaching Award from Prinkler School of Medicine students. He is past president of both the American Association of Immunologists and the Federation of American Societies of Experimental Biology and the former editor-in-chief of the Journal of Immunology.

Gary Gintnick, SB ’60, MD ’63

Gintnick is a professor of medicine and chief of the Division of Digestive Diseases at the David Geffen School of Medicine at University of California, Los Angeles.

He has served as chief of staff of the UCLA Medical Center and medical director of the UCLA Health Care Programs. He has more than 300 publications to his credit and has written or edited 63 books. He is president of the Medical Board of California and founder of the Fulfillment Fund, a nonprofit organization with more than 1,000 volunteers who mentor more than 3,000 bright, disadvantaged or disabled students.

David A. Kindig, MD ’58, PhD ’68

Kindig, professor emeritus and vice chancellor emeritus for health sciences at the University of Wisconsin-Madison, has been training for and running 5K and 10K races.

Henry Rothchild, MD ’58, and his wife now have two homes, one in Dallas, Texas, and one in New Orleans, La.

Sanford J. Schreiber, MD ’58, won the 2002 Outstanding Teacher Award of the Yale University clinical faculty.

Fred Solomon, AB ’54, SB ’55, MD ’58, practices adult, adolescent and child psychiatry and has no retirement plans. He just concluded a decade as an elected delegate to the Assembly of the American Academy of Child and Adolescent Psychiatry, representing the 225 Washington, D.C.-area child psychiatrists.

Franklin J. Star, AB ’53, SB ’55, MD ’58, retired Sept. 30, 2002, after 37 years of active practice. He now enjoys time at his vacation home in the western North Carolina mountains.

James A. Survis, MD ’58, ended his surgical pathologist career about eight years ago. He now plays chamber music on his violin and studies Spanish.

“I still love being a doctor, and the idea of retirement is very hard to accept.”

– Myron J. Jacobson, MD ’58.

Myron J. Jacobson, MD ’58, works part time as a police surgeon in the New York Police Department’s Medical Division and as a thoracic surgery consultant at the Newport Medical Veterans Affairs Center. He writes, “I still love being a doctor and the idea of retirement is very hard to accept.”

Kenneth Z. Kurland, MD ’58, transitioned from an orthopedic surgeon to a part-time ER physician during the past couple years and then retired last year.

Norman L. Magos, AB ’53, MD ’58, shares a practice with his wife, Ruth, in Marin County, Calif. They also are busy raising their twins and traveling.

Tell us your news at http://alumni.bsd.uchicago.edu/info.html
Charles S. Tidball, MD ‘58, volunteers as a lay Eucharistic minister at the National Cathedral in Washington, D.C.

Leong T. Tan, MD ‘58, retired from his urology practice and now focuses on the SOAR Foundation, which provides financial support to help impoverished students in rural China acquire a basic education.

Donald E. Temple, MD ‘58, spends more time at his Naples, Fla., winter home and travels to visit his children on both coasts and in Chicago.

Eugene U. Thiersen, AB ‘51, MD ‘58, teaches in the department of preventive medicine at State University of New York, Stony Brook and enjoys sailing on Long Island Sound, the Maine coast and the Chesapeake Bay.

Charles S. Tidball, MD ‘58, volunteers as a lay Eucharistic minister at the National Cathedral in Washington, D.C., and as manager of the Cathedral Information Systems Program, which is developing computer databases on the cathedral’s artwork and historically significant people.

Robert J. Weiler, MD ‘58, retired from a full-time hematology and oncology practice last year and volunteers as locum tenens physician.

Richard A. Weinberg, MD ‘58, practices family dermatology in Springfield, Penn.

Seymour K. Wolfsen Jr., MD ‘58, is an emeritus professor of surgery at the University of Pittsburgh. He is active in the Pittsburgh Opera Association and the Western Pennsylvania Conservatory and enjoys skiing and biking.

Norman Zinner, MD ‘58, is the medical director at Western Clinical Research, Inc., in Torrance, Calif.

Janet D. Rowley, PhB ‘45, received the Gold Key Award from the University of California Medical and Biological Sciences Alumni Association in June. (See page 39.)

Eugene R. DeSombre, SB ‘60, SM ‘61, PhD ‘63, received the Gold Key Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 37.)

Harold N. Bass, SM/MD ‘63, is a clinical professor of pediatrics and medical genetics at the University of California, Los Angeles, an adjunct professor of biology at California State University, Northridge, a member of the board of directors at Southern California University, and a pediatrician and geneticist with Kaiser Permanente. He and wife Phyllis have been married for 42 years and have two daughters and two granddaughters.

Norman Zinner, MD ‘58, is a practicing urologist and the medical director at Western Clinical Research, Inc., in Torrance, Calif., and a clinical associate professor of urology/surgery at the University of California School of Medicine, Los Angeles.

1960s

Lorna Puttkammer Straus, SM ‘60, PhD ‘62, received the gold key award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 39.)

Eugene R. DeSombre, SB ‘60, SM ‘61, PhD ‘63, received the Gold Key Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 37.)

Charles M. Schlossman, SB ‘59, MD ‘63, retired from the Permanente Medical Group in 1997.

James E. Dahlberg, PhD ‘66, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association this past June. (See page 31.)

John T. Bonner, MD ‘63, is in neurobiological surgery private practice and serves as histologist for the Western Neurosurgical Society and secretary and newsletter editor for the California Association of Neurosurgeons.

Phillip Epstein, SB ‘59, MD ‘63, works in neurodiagnostic medical consultation, research and development.

Gary Gitnick, SB ‘60, MD ‘63, is the chairman of digestive diseases at the University of California School of Medicine, Los Angeles. He is founder and board chairman of the Fulfillment Fund, which provides mentoring, education and scholarships to 3,000 underprivileged children each year. In June he received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association. (See page 33.)

Charles M. Schlossman, SB ‘59, MD ‘63, retired from the Permanente Medical Group in 1997.

Julian Rimpilla, SM/MD ‘66, was featured in the summer 2003 issue of AMA Voice for his role in saving Chicago’s Grant Hospital and in guiding its transformation into the new Lincoln Park Hospital. In March 2003, he was among the five winners of the Chicago Medical Society’s Poster Presentation Session at the 59th Annual Midwest Clinical Conference.

Gary Gitnick, SB ‘60, MD ‘63, is founder and board chairman of the Fulfillment Fund, which provides mentoring, education and scholarships to 3,000 underprivileged children each year.

is the most reliable predictor of a patient’s response to treatment and survival. Rowley has received the Albert Lasker Clinical Medicine Research Prize, the National Medal of Science and the Benjamin Franklin Medal.

Eugene J. Van Scott, SB ‘45, MD ‘48

Van Scott is recognized for his skin cancer research. He and R. J. Yu founded The NeoSista Company to advance skin care and treatment and educate people about the benefits of alpha-hydroxy acids. A former dermatology professor at Temple University’s School of Medicine, he spent almost two decades at the National Cancer Institute. His honors include the Albert Lasker Award and the American Academy of Dermatology’s Mearl in Dermatology. He is a member of the American Association for the Advancement of Science, the American Academy of Dermatology and the American Dermatological Association. Also, Glaxo Dermatology has founded the Eugene J. Van Scott Fellowship Award in his honor.

Anthony F. Canellita, MD ‘68, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association in June. (See page 31.)

David A. Kindig, MD/PhD ‘68, received the Distinguished Service Award from the University of Chicago Medical and Biological Sciences Alumni Association this past June. (See page 33.)

Joel B. Sheffield, PhD ‘60, won Temple University’s Great Teacher Award, which carries a $15,000 cash prize. Sheffield has taught biology at Temple for 26 years.

1970s

Stephen P. Spielberg, PhD ‘71, MD ‘73, has been named dean of Dartmouth Medical School. His wife, Laurel Axelrod Spielberg, AM ‘71, is an associate professor of epidemiology at Dartmouth University School of Public Health.

Ruediger Kratz, MD ‘73, directs neurology services at the DuBois (Penn.) Regional Medical Center.

Warde Rice, PhD ‘76, MD ‘78, was unable to attend his 25th reunion because he had
Christine White, AB ’74, MD ’78, is the vice president of medical affairs at IDEC Pharmaceuticals in San Diego, Calif.

Brooke Alt, AB ’69, MST ’70, MD ’78, has been in a private pathology group in Boulder, Colo., for the past 20 years. Husband Bill is a pathology professor at the University of Colorado Health Sciences Center in Denver. Both sons are in college.

Mary N. Austin-Seymour, MD ’78, is the vice chairwoman of the department of radiation oncology and last year became the Wosorton Professor of Radiation Oncology at the University of Washington. She lives in Seattle with her two children and husband Ron, who recently attended seminary and was ordained as a Lutheran minister.

Margaret Barron, MD ’78, was married at Old Saint Patrick’s Church in July 2003, and plans to move back to Chicago.

Ernest Brahn, MD ’78, is a professor of medicine at the University of California School of Medicine, Los Angeles, Division of Rheumatology. He also directs rheumatology training and is Web editor for the American College of Rheumatology.

Bruce, MD ’78, and Diane Lind, MD ’78, Fenster, have lived in Green Bay, Wisc., for 22 years. Both practice at the Prevea Clinic. Diane in pediatrics and Bruce in internal medicine.

Elio John Frattaroli, MST ’73, MD ’78, spent three weeks this year traveling through Italy with wife Diane and children Nicole and Greg.

David M. Jaffe, MD ’78, is the Dana Brown Professor of Pediatrics at Washington University, St. Louis and directs emergency services at St. Louis Children’s Hospital. He has been in St. Louis for 12 years and previously worked in Toronto and Chicago.

Patrick Martin, AB ’74, MD ’78, has been in private practice since 1989 and now works with five other cardiologists in Hinsdale, Ill. Older daughter Erin is planning a 2004 wedding and younger daughter Catherine is an Indiana University sophomore.

Giovanni Smith, MD ’87, was elected 2003-04 chairman of the board for the American Lung Association of Los Angeles County.

Julia Moran, MD ’78, is semi-retired and travels the United States in a bus with husband Bruce.

Dean L. Rider, MD ’78, is in gastroenterology private practice in San Francisco. He enjoys golfing, traveling and spending time with his son, Dean Jr.

Jurrian Srobos, MD ’78, is a consultant for start-up pharmaceutical companies to design and conduct clinical trials under FDA regulations.

Paul M. Sullam, AB ’74, MD ’78, teaches medicine at the University of California, San Francisco, and is a member of the Division of Infectious Diseases.

Christine White, AB ’74, MD ’78, visited campus this spring with her daughter, who is considering the University of Chicago for her undergraduate studies. Christine is the vice president of medical affairs at IDEC Pharmaceuticals in San Diego, Calif.

Arthur Weiss, PhD ’78, MD ’79, is the chief of the rheumatology division and an investigator at Howard Hughes Medical Institute, University of California, San Francisco.

Paul Sternberg, MD ’79, is the G.W. Hale Professor and chairman of the Vanderbilt department of ophthalmology and visual sciences.

Ira G. Wool, MD ’53, PhD ’54 The A. J. Carlson Professor of Biological Sciences at the University of Chicago, Wool and his colleagues were the first to define the structure of the RNAs and the entire set of 79 proteins from eukaryotic (specifically mammalian) ribosomes. He has given many special and plenary lectureships and held visiting professorships and visiting research scientist appointments at Cambridge University, the Max Plank Institute for Molecular Genetics and Columbia University’s College of Physicians and Surgeons. Wool has published more than 250 research articles, and his awards include the Federal Republic of Germany’s Alexander von Humboldt Special Fellowship and the Immunotoxin Society’s Pierre Immunotoxin Award. 2003 Gold Key Awards Presented each year by the Medical & Biological Sciences Alumni Association to recognize faculty members for service to the Division of Biological Sciences and the University of Chicago.

Eugene R. De Sombre, SB ’60, SM ’61, PhD ’63 Professor emeritus in the Ben May Institute for Cancer Research and a member of the Committee on Cancer Biology, De Sombre’s research on the mechanism of estrogen action in normal and neoplastic tissues led to the first identification, purification and characterization of a steroid receptor protein, the estrogen receptor. Antibodies prepared against this receptor provided key reagents for basic studies and led to the first cloning of the gene for a steroid receptor. This research established that obstetrician/gynecologist and they have two children, Erin and Dennis.

Lawrence A. Mishlove, MD ’88, is chief of radiology imaging and director of MRI at Brookville Regional Medical Center.

Jacqueline Moline, AB ’84, MD ’88, is Mount Sinai’s vice chairwoman for community and preventative medicine, specializing in occupational and environmental medicine.

Kimberly A. Lovett, AB ’92, MD ’97, is the mental health flight commander and the only psychiatrist in the U.S. Air Force stationed at Elmendorf Air Force Base in Anchorage, Alaska.
The research of William L. Russell, PhD '37, led to standards for acceptable levels of human exposure to radiation and paved the way for discoveries about occupational exposure to radiation and exposure to atomic weapons.

Eric Lee, PhD '83, is a student at the University of Virginia School of Law.

Yolanda E. Holler, MD, joined the neurology staff at the Akron Children’s Hospital in August.

Alex G. Little, MD, was appointed professor and the Elizabeth Berry Gray Chair of Surgery at Wright State University School of Medicine in Dayton, Ohio, in September.

Frank W. Putnam Jr., MD, moved to a retirement community in Cincinnati and now lives close to his son, Frank W. Putnam Jr., MD.

Michael Rosien, MD, was featured on the Today show and The Oprah Winfrey show with his new book, Cooking The Real Age Way. He is a professor of anesthesiology, critical care and medicine at State University of New York Upstate Medical University and the CEO-designate for Central New York Biotechnology Research Corporation.

The development of the molecular basis of the resistance to thyroid hormone (RTH) syndrome, or Refetoff syndrome. He has edited two books and authored or co-authored nearly 250 research articles, 50 review articles and 50 book chapters. His awards include the Robert H. Williams Distinguished Leadership Award from the Endocrine Society, the National Institutes of Health MERIT Award and the American Thyroid Association’s Paul Sturt Award.

Lorna Puttkammer Straus, SM ’60, PhD ’62, professor emeritus of organizational biology and anatomy, Straus has dedicated her career to teaching and advising students.
ClassUpdate


Frederick J. Wahl, SB ’39, MD ’42, continued in medical practice. Leonard M. Asher, MD ’37, retired in 1973 to Elko, Nev., and passed away. William L. Russell, PhD ’37, an internationally recognized geneticist, died in July at age 92. His research led to standards for acceptable levels of human exposure to radiation and paved the way for discoveries about occupational exposure to radiation and exposure to atomic weapons. In 1947, he became Oak Ridge National Laboratory’s principal geneticist and chief of the mammalian genetics and genomics program. In 2001, Oak Ridge dedicated its new mouse research facility in honor of Russell and his second wife, Liane. He was a member of the National Academy of Sciences and received the prestigious Enrico Fermi Award.

1940s


One Scientist’s Fight to Conquer Malaria

The most lethal of the four parasitic species that cause malaria, *Plasmodium falciparum*, has a formidable enemy in Thomas Wellems, MD ’81, PhD ’80. A consultant to malaria researchers around the world, Wellems has discovered the mechanism of *P. falciparum*’s resistance to chloroquine, one of the most effective antimalarial drugs.

More than one-third of the world’s population is at risk for malaria, particularly people living in the developing world, where *P. falciparum* kills more than a million infants and children each year. These statistics are a driving force for Wellems, who heads the Laboratory of Malaria and Vector Research at the National Institute of Allergy and Infectious Diseases.

“It’s a constant battle. These organisms are smart. New drugs are badly needed and nine out of 10 new candidate drugs fail pre-clinical or clinical testing,” said Wellems, who spoke at this year’s Howard Taylor Rickerts Award Lecture. The award commemorates the University of Chicago biologist who discovered the source of typhus and Rocky Mountain spotted fever.

After quinine, chloroquine became the antimalarial drug of choice in 1945, Wellems said. But in the 1960s, resistance to the drug increased in parts of Africa, deaths from malaria skyrocketed and the World Health Organization became alarmed.

To solve the mystery of how *P. falciparum* developed chloroquine resistance, Wellems and his research team mapped the parasite’s genetic structure and then isolated its genes. They discovered the source of the resistance: A piece of genetic material on one of the parasite’s 14 chromosomes had mutated, altering a membrane protein called PfCRT. This protein sits in the wall of the parasite’s food vacuole, blocking out chloroquine and protecting the parasite.

That finding led the team to yet another discovery: Resistant strains are able to pump the drug from their bodies. Knowledge of genetic differences between chloroquine-resistant and chloroquine-sensitive strains of the parasite has helped researchers to focus on producing drug compounds to counter chloroquine resistance.

“All the data are now telling us that the chloroquine resistance mechanism has a lock-and-key effect,” Wellems said. “When we’ve modified this drug structure significantly, the resistance mechanism fails, and those compounds can still kill the parasite, which is exciting [news].”

Wellems advises the Medicines for Malaria Venture (MMV), a nonprofit foundation engaged in multiple drug studies with a goal to create affordable drugs to help eliminate malaria. A promising new drug in development at MMV is Isoquine. Discovered at the University of Liverpool, the amodiaquine-like compound ‘avoids any cross-resistance with its chemical cousin chloroquine,” according to the MMV.

“This drug is less toxic than chloroquine,” said Wellems, who is optimistic that Isoquine will move forward rapidly. “It costs less than chloroquine and may be a replacement for chloroquine in the future.”

Even so, the future of antimalarial efforts remains complicated, Wellems added, because variable forms of malaria parasites are as plentiful as “stars in the universe.”

Tell us your news at http://alumni.bsd.uchicago.edu/info.html

Frank F. Evans, SB ’42, MD ’44, died in August at age 87. During World War II, he served in the Army and then worked as a psychiatrist at Hines Veterans Hospital near Maywood and later started his own practice. In 1955, the Institute for Psychoanalysis in Chicago certified him to practice psychoanalysis. He taught briefly at the Illinois State Psychiatric Institute and was voted most outstanding second-year instructor in 1968.

Henry Eten McWhorter, SB ’42, MD ’44, a plastic surgeon, died March 6, 2003, at age 81. Following an internship at Los Angeles County Hospital and a residency at Chicago’s Presbyterian Hospital, he served as a Navy medical officer from 1946 to 1948 and as a general and plastic surgery fellow at the Mayo Clinic from 1948 to 1954. He then established a private practice in Toledo, Ohio.

Morris Friedkin, PhD ’48, of La Jolla, Calif., died Aug. 19, 2002.

Sherwood P. Miller, SM ’47, MD ’49, an oncologist who conducted research on coagulation disorders and cancer...
While visiting his native Greece, Lampis Anagnostopoulos, SB ’57, MD ’61, journeyed to the island of Kos, where Hippocrates had lived and worked.

“I saw someone selling a copy of the Hippocratic oath along with leaves from the plane tree under whose shade Hippocrates held discussions and seminars,” said Anagnostopoulos. He promptly bought the souvenirs for friends and alumni council members. Upon returning to Chicago, he ordered 125 more to present to the June graduates.

**Faculty**

Irwim M. Weinstein, MD, an international authority on clinical hematology, died July 19, 2003. He held numerous positions at Cedars-Sinai Medical Center and was a member of the Board of Governors. He also was a clinical professor of medicine at University of California Medical School, Los Angeles. He helped start the National Israel Cancer Research Fund and later founded the Los Angeles chapter. The Irwin M. Weinstein Endowed Lectureship in Health and Public Policy was established in perpetuity at the medical center. A recipient of the Cedars-Sinai Pioneer in Medicine award, he also was appointed to the committee to study HIV transmission through blood products at the Institute of Medicine in 1994 and was a member of Space Biology and Medicine for the National Academy of Sciences.

An inspirational gift

While visiting his native Greece, Lampis Anagnostopoulos, SB ’57, MD ’61, journeyed to the island of Kos, where Hippocrates had lived and worked.

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**But why this particular gift?**

During the ceremony, Anagnostopoulos delivered the Hippocratic oath in the ancient Greek, the way Hippocrates did.

“I’m sentimental and the Hippocratic oath means so much to all of us as we graduate,” he said. Anagnostopoulos also was inspired by “visiting the island where Hippocrates lived and taught and seeing that tree that’s at least 2,700 years old.”

After the ceremony, students thanked him for the unique gift, which Anagnostopoulos said brought him closer to the new doctors embarking on their lives’ work.

“One young lady asked if she could introduce me to her father, and so I followed her,” he said. “She stood next to him and both were aglow. The pride, the trust, the commitment, the bond of father and daughter — it was a most memorable image.”