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School of Medicine researchers have received a five-year, $2.5 million grant from the National Institute of Health to lead a study of the persistent mental health impact of the September 11 terrorist attacks on people who were in the World Trade Center towers when the planes struck.

"Previous studies have looked more at the general mental health effects on the population in Manhattan, but no studies to date have looked systematically at the psychiatric effects on people who were employed in the towers," said principal investigator Carol S. North, M.D., professor of psychiatry in Arts & Sciences, and co-investigator Barry Hong, Ph.D., professor of psychiatry. "It's important to understand long-term mental health effects, to appreciate the mental health problems people involved in services and medical interventions can experience PTSD, and the needs of the people involved so services and interventions can be designed." North and co-investigators Barry Hong, Ph.D., professor of psychiatry, and associate professor of medicine and adjunct associate professor of psychiatry in Arts & Sciences, and Edward L. Spitzer, Jr., Ph.D., professor of mathematics in Arts & Sciences, will team with researchers from New York and Oklahoma City in the new study.

Identified with the goal of providing diagnostic psychiatric assessments on 500 survivors containing the most exposed workers from businesses on the highest floors of the World Trade Center towers and their spouses or partners. The goal is to follow the course of psychiatric disorders -- especially post-traumatic stress disorder (PTSD) -- in the years following a major disaster to assess the treatment needs and to develop and implement interventions that might restore individuals to more productive functioning in the post-disaster workplace.

"By studying survivors of the Oklahoma City bombing — the deadliest terrorist attack in the United States prior to September 11 — North and her colleagues found that although most survivors did not develop psychiatric illness, more than one-third did experience PTSD in the months and years after the bombing. Pre-existing psychiatric conditions increased the risk of PTSD.

Survivors who were more seriously injured in the blast were at greater risk for PTSD, as were those who experienced the injury or death of a family member or close friend.

By studying World Trade Center survivors, the team expects to find many of the same influences on the psychiatric health. Even more than two years after the attacks, North expects many survivors will still be suffering.

"In Oklahoma City, healing was not always rapid," she said. "Many people hoped quite slowly, and we would anticipate that with a disaster of an even larger scope and magnitude, healing might take even longer for many survivors.

Over the years, North and her colleagues have done extensive diagnostic research with survivors. They have studied earthquakes and floods, industrial and technological accidents such as plane crashes, and mass-murder disasters such as the Oklahoma City bombing and a mass shooting at a cafeteria in Killeen, Texas. Although North believes the scope of the World Trade Center attack makes it difficult to compare with these disasters, she believes the knowledge gained from survivors of these events will be provided two years of all-expenses-paid study at Oxford University in England and will begin their studies next fall.

"It is gratifying to see such talented, creative and committed students like Bethany and Allison achieve at such a high level," Chancellor Mark S. Wrighton said. "Washington University is proud of them and their accomplishments. They are representative of the kind of students we have at Washington University, and their success endorses the entire Washington University community."

Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences, echoed Wrighton.

"It is with great pride that we congratulate Bethany and Allison for their extraordinary achievement," Macias said. "They bring great honor to Washington University and reflect well the academic and social environment in our university, the quality of our students and faculty, and the commitment of Washington University to the world. We wish them well at Oxford University."

As chair of the Washington University Committee on Postgraduate Scholarships and Fellowships, Michael R. Cannon, executive vice chancellor and general counsel, became acquainted with Ehlmann and Gilmore.

"Bethany and Allison are wonderfully accomplished, intellectually dynamic and service-oriented young women," said Cannon, a WUSTL Rhodes Scholar in 1973. "The committee tries to identify students who could be strong candidates for the most rewarding and prestigious postgraduate scholarships, makes them aware of these opportunities, offers a limited amount of advising in connection with the competition, and then gets well out of their way as they do all the rest."
GWB’s Rank named to Hadley professorship

BY JESSICA MARTIN

Mark B. Rank, Ph.D, professor in the George Warren Brown School of Social Work, has been appointed the inaugural Hadley professorship. Rank, a professor of Social Welfare, announced Shanti R. Khinduka, Ph.D., dean and the George Warren Brown School of Social Work’s Distinguished University Professor.

Hadley was the University’s chancellor from 1923-27. He also served as governor of Missouri from 1906-1913. Rank’s formal installation will take place Dec. 11. "Mark Rank is one of the most important scholars of poverty in our nation today," Khinduka said. "His work is a blend of scientific rigor and a passionate commitment to the American idea of equality."

"His approach to estimating the likely fate of someone becoming poor in contemporary America is novel, and his argument for treating poverty as a concern of all Americans, rather than the fate of only a small segment of the society, is compelling," Rank then is of "such much relevance to policy-makers as it is to social work practitioners."

Rank earned bachelor’s, master’s and doctoral degrees in sociology from the University of Wisconsin-Madison. After graduating school, he spent a year as a fellow at the Brookings, Porter Graham Civil Rights Center at the University of North Carolina.

Rank joined the Washington University faculty in 1985 as an assistant professor of sociology in Arts & Sciences, and in 1989 he became a GWB faculty member. His areas of research and teaching have focused on issues related to poverty, social welfare, economic inequality and social policy. His recent research investigated the life-course probability of experiencing poverty in America.


In addition, Rank has written numerous articles for a variety of journals such as Social Work, American Sociological Review, Psychological Science and Social Science Quarterly. He has also provided expertise to members of the U.S. Senate and House of Representatives, as well as many national organizations involved in economic and social justice issues.

At the University, Rank is well respected by faculty and students alike, having received a Distinguished Faculty award at Founders Day, the Kemper Foundation Faculty Award for Improving Learning and the Council of Graduate Students of Social Science's annual Faculty Teaching Award.

He has also received the Feldman Award from the Genes Conference on Marriage and the Family and the Outstanding Research Award from the Society for Social Work and Research. He has been listed in Who's Who in America and Who's Who Among America's Teachers: The Best Teachers in America Selected by the Best Students.

Online journal search service available

BY ANDY CLENDENNEN

I t can be a time-consuming hand to look through various journals in search of articles supporting of a particular area research. But thanks to a new service available through University Libraries, that search process just became a whole lot easier.

This service allows University faculty, staff and students to go online and read the full text of science, technology and the social science in virtually all subject areas.

This service allows access to more than 15,000 electronic journals in virtually all subject areas.

Free car inspections offered to travelers

The University’s police and parking department, in partnership with St. Louis’ Towing, will once again sponsor a free traveler’s vehicle inspection service to faculty, staff and students. People anticipating traveling by car for the holiday break can have their vehicle inspected free of charge from noon to 3 p.m. Dec. 13 at the parking lot outside the public parking office on the South 6th.

Traffic, fuel levels, wipers, headlights and taillights will be checked. Fluid levels will be topped off thanks to local businesses that have donated oil and windshield-washer fluid.

Health and wellness staff members will be washing windows, University Police’s Bear Patrol will also assist.

"Too often we all neglect to check our vehicles before taking off on a trip," said Don Strom, chief of University Police. "This is a great, quick and easy opportunity for members of our campus community to get their vehicles inspected and help ensure they have a safe trip over the upcoming holidays."

For more information, call 935-5084.

Picturing Our Past

Francis Gymnasium has been home to athletic victories, guest lectures and presidential debates in the University’s illustrious past. In 1918, it even served as a barracks for Vocational Unit, Section B, as World War I drew to a close. Francis Gym, completed in 1903, was one of the buildings used in the third modern Olympic Games in 1904, the first Olympics held in the Western Hemisphere. After the Games, the Olympic Gymnasium Committee conveyed the gymnasium to the University to be used as part of the athletics department. This three-story, multi-level building known as the Olympic-sized Millstone Pool, was built in 1903. Francis Gymnasium and Francis Field are named for David Rowland Francis, an 1870 alumnus, governor of Missouri, president of the Louisiana Purchase Exposition Co. U.S. ambassador to Russia and president of Meriden, Connecticut.

Washington University is celebrating its 150th anniversary in 2003-04. Special programs and announcements will be made throughout the yearlong observance.

Washington University in St. Louis
A spacious king suite showcases a view of the Central West End.

The $25 million hotel, conceived around the corner of Forest Park and Euclid avenues, is designed to serve patients and their families, said Larry J. Shapiro, the Fred C. Reynolds Wolff Professor of Medicine, M.D., the first head of the Department of Orthopaedic Surgery. He also is chief of hand and wrist surgery and director of the medical school's hand and upper extremity fellowship training program.

Additionally, Gelberman is the orthopedic surgeon-in-chief at Barnes-Jewish and Children's hospitals. Gelberman is a leader in hand and wrist microsurgery. He studies dense regular connective tissue — the ligaments, tendons and muscles that allow us to move. He also investigates radius fractures, carpal instability and nerve injuries.

Gelberman has received numerous honors for his research, including the Kappa Delta, Nicolas Andry, Emman-uel Kaplan, Sumner Koch and Marshall Unit awards.

He is a former president of the American Academy of Orthopaedic Surgeons and has served on numerous executive committees for several national and international academic orthopaedic associations.

Ley joined the University faculty in 1986. He directs the Division of Oncology's stem cell biology section and serves as the associate director of basic research for the Simon Cancer Center.

Ley, who also is a professor of genetics, is renowned for advances in understanding the biology and genetics of acute myeloid leukemia.

He has identified the mechanisms that cytotoxic lymphocytes (a type of immune cell) use to kill tumor and virus-infected cells and has shown that the same mechanisms cause severe tissue damage after allogeneic bone marrow transplantation. Additionally, he is known for his work to preserve the physician-scientist career track and encouraging physicians to pursue careers that involve both research and patient care.

Among his many honors, Ley was named Teacher of the Year in the Department of Medicine at Jewish Hospital in 1994 and received the Alumni/Faculty Award from the Uni-versity Medical Center Alumni Association in 1998.

Ley is a past president of the prestigious American Society for Clinical Investigation.

The lobby of the new Parkway Hotel welcomes visitors to the eight-story, $25 million structure conveniently located on the Medical Campus at the corner of Forest Park and Euclid avenues.

Guests may have different needs when they are recovering, and the staff has been trained to accommodate the special requests of patients and their families before they arrive and throughout their stay.

"We want the rooms to be cheerful and comfortable," Risk said. "We want to help visitors and their families have the best recovery possible, and we want them to feel like they're staying in a hotel, not a hospital."
WSU, the annual showcase of professionally choreographed works by student dancers, will present a concert called dance@stl.art in Edison Theatre.

Performances will begin at 8 p.m. Dec. 5 and at 2 p.m. Dec. 6.

Thirty-four dancers selected by audition will perform seven works by nine dance choreographers. Cleo Slaughter, artist-in-residence at the center of WSU, noted that dance@stl.art will celebrate the richness and variety of St. Louis art and culture.

"This is art and culture in motion," Slaughter said. "Dance@stl.art is a purposeful blend of music and dance, visual art and art by St. Louis artists both past and present. At the same time, it also embodies — through its sheer diversity of media — the amazing artistic and creative diversity that resides here."

Slaughter's own contribution, Miles In Between, is inspired by the life and music of jazz great Miles Davis, an East St. Louis native. In this piece for 16 dancers, WSU dance also features imagery by St. Louis artist Riccardo Haynes.

Miles in Between is not a literal interpretation of Davis' music, Slaughter said, "but an impetus for the dancers to celebrate the spirit and mood that went into the creation of the music itself."

Similarly, Joplin's Ragtime Rolls also features visual projections of "photographer-Seamus Volkan," adjunct faculty member in the PAH.

Adjunct faculty member Asha Prem, founder of the company Dance of India, choreographed Naunihal's, an expressive, rhythmic piece for five dancers dedicated to the titular half-millenium of the Indian deity Vishnu. The work reflects the aesthetic, Bharata Natyam style of Indian classical dance, characterized by tight execution and isolation of movement with hand and eye movements.

David W. Merchant, senior artist-in-residence, will offer an untitled work for 10 dancers that explores "our increasingly distant, technological communication media," and the meaninglessness of touch as expression and interpersonal communication.

"Human touch is a basic human need, vital to our health and relationships with others," Merchant said. "Where words fail, this touch, the direct, physical contact is the most simple and profound way to reach one another." In addition to faculty choreography, WSU will feature works set by two fall visiting artists: Ballestine, a celebrated performer of both Balinese and Balinese dance, choreographed a series of eight Baroque dances, set to compositions from Jean Philippe Ramen's opera Les Balois Galliard. And St. Louis' own Jennifer Medina — a vine dancer/choreographer teaching at Webster University — will offer Araceli, a work for 10 dancers inspired by Nicklaus Proinu's painting, Pet on Araceli's Eco. Tickets are $12, $8 for WSU faculty, staff and students, and $5 for MO Exit Towns. The concert is sponsored by the Dance Program and the PAH.

Student dancers Alessandra Larson and Jun Cali will perform Christine Knoebel-O'Neel's Japagte Rolla as part of Washington University Dance Theatre, an annual showcase — this year titled dance@stl.art Dec. 5-7 in Edison Theatre — of professionally choreographed works by student dancers.

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Thanksgiving feasts

Even if some members of the Washington University community couldn't make it home for Thanksgiving, various dinners held on campus ensured that they wouldn't be left out of the holiday celebration. Above, Guofu Zhou, Ph.D., (right), associate professor of finance in the Olin School of Business, and wife Xia Li and baby Jason Zhou enjoy the trimmings at the Olin School's traditional feast. The Charles F. Knight Executive Education Center. And at right, senior Taija Lee looks on as sophomore Jeff Christiansen digs into the spread at Lien House. The dinners were hosted by Philip M. Freeman, Ph.D., assistant professor of classics in Arts in Education Center. Freeman and his wife, Alison. The Flemmen are the faculty family in Brookings Residential College. Among the other events held on campus was a dinner held by the School of Law.

International art at rock-bottom prices

Island Press holiday sale Dec. 14

BY LIAM OTTEN

O ver the past 25 years, Island Press, the professional print shop in the School of Art, has built a reputation as the go-to source for students and faculty alike for printing their work. The press offers a range of services, including printing, binding, and mailing, all at competitive prices. Island Press is known for its high-quality work and customer service, and it prides itself on being a sustainable and environmentally friendly business. For more information, visit www.islandpress.wustl.edu.

WUSTL opera to present The Village Singer Dec. 12-13

BY LIAM OTTEN

The Washington University Opera will present Stephen Costello's one-act opera The Village Singer at 8 p.m. Dec. 12-13 in Lurie Lounge in Lurie Hall. "The Village Singer," based on a novella by Mary Wilkins Freeman, follows the story of a village singer who sings at a church, but is dismissed by her after singing her own song. The opera is a charming and engaging piece that will leave audiences captivated.

Volleyball team reaches Final Four

The No. 2 volleyball team in La Verne, Calif., for the 2003 NCAA Division III Final Four today and Dec. 6. The Bears, who defeated No. 5 Ohio Northern University in the national quarterfinals, will make their third appearance in the semifinals when they take on the University of La Verne at 7 p.m. Pacific time (0 p.m. locally) today. University Athletic Association (New York) Opera and Emory Opera will also make the trip. Both Emory and NYU are making their first appearance in the Final Four. The three UAA teams in the field marks the first time in Division III history that three teams from the same conference reached the semifinals the same year.

The Bears are back in the Final Four for the second-straight season after finishing as the national runner-up last year. With a 5-0 tournament record so far this year, WUSTL is 58-10 all-time, giving the Bears the second most wins in tournament history. Junani College's 65 tournament wins rank first all-time.

La Verne, the No. 3 team in the country, is back in the rankings in three seasons and sixth time overall after upsetting No.4 Wabash College, 3-1, in the quarterfinals. La Verne is 29-2 and has not lost since Oct. 10, a 3-1 decision to Juniata. Emory and NYU will face each other in the other semifinal. The third-place match will be Dec. 11 at 4:30 p.m. and the championship is slated for 7 p.m., both Pacific times.

Other updates

The men's basketball team dropped its opener Nov. 25, then posted a 4-1 record at the Jackson Brothers Basketball Classic, which was held Nov. 29-30. The Bears fell to Webster University, 80-70, Nov. 25 at the Field House. With the game tied at 59, Jerry Vogt and Scott Spinnler hit back-to-back three-pointers with less than three minutes to play, sparking a 10-0 run to give the Bears a 72-60 win, the third straight with a 74-59 win against Edgewood College. Senior Ryan Delmar led four Bears in double figures with a career-high 18 points and 14 rebounds.

Senior Cindy McPeak goes for a block in a match earlier this season. McPeak has 300 kills and 101 blocks this year for the Bears, who play in the NCAA Division III Final Four starting today in La Verne, Calif.
Ocean

from Page 1

Around gas molecules, such as methane, trapping them and storing them. Such fluids occur naturally on the ocean floor.

The hope is that someday carbon dioxide can be trapped in a similar way.

It is a remotely controlled hearse, the ocean floor manufactured by a robot and controlled from the research ship above.

Pasteris said, "The Raman signals so far are telling us that we can track the carbon dioxide and tell the different types — gas and liquid — and the spectra also can distinguish cathode plate heaters.

Carbon dioxide is the major gas that contributes to global warming. Its primary role is the result of burning fossil fuels, and while there are ways to reduce its levels in the atmosphere, scientists are researching new methods to capture it and store it. The ocean floor is chief among alternative sites being studied.

"The ocean floor is still a mysterious place," Pasteris said. "You are just beginning to understand the complexity of the sea floor, and we believe the ocean floor is chief among alternative systems more and more feasible.

The hope is that someday carbon dioxide can be trapped in a similar way.

A fish on the ocean floor off California gazes at a sight no human has ever seen: a submersible vehicle with data on a carbon dioxide sample. Jill Pasteris, Ph.D., professor of earth and planetary sciences in Arts & Sciences, heads the University group collaborating with researchers at the Monterey Bay Aquarium Research Institute to determine the feasibility of storing the greenhouse carbon dioxide on the ocean floor.

The Raman spectrometer is the first-ever deployed on the ocean floor for MBARI scientists, again using their specialty, Raman spectroscopy.

In the carbon sequestration research, MBARI scientists have discovered the Raman spectrometer system and placed it in three pressure-resistant cylinders connected by fiber-optic cables. A robotic arm controlled from the research ship manipulates the probe head containing the laser.

The laser excites various effects in samples, including what is called the Raman effect. The same laser system used to focus the laser then captures backscattered radiation and routes it to the laser instruments for analysis.

"The emergence of global carbon sequestration projects that use mobile vehicles such as MBARI employs make the use of our research systems attractive for evaluating environments more and more feasible.

Our study will help our understanding of the Raman instrument package so we can also include other infrastructure back-up with it on the robotic vehicles that are sent to the sea floor place.

"The workplace has been largely a disaster for disaster studies," North said. "We hope this new study will help us understand what workplaces may be able to help us.

Our study examined questions about these two topics should return to work and whether companies should hold events — such as memorial services — or offer counseling services.

"What about emergency communications? What would you do?" North said. "A lot of anecdotal evidence suggests stress and worry over the well-being of our co-workers is a problem for survivors in the days after a disaster.

"Might businesses put procedures in place to help their employees deal with stress in the future? We hope this study will provide some answers."
Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Dmitri Kuksov, Ph.D., joins the Ohio School of Business as assistant professor of marketing. Kuksov was a graduate student instructor for the undergraduate and graduate marketing classes at the University of California, Berkeley, in 2003, and a doctorate in mathematics from the University of Michigan in 1998, and a bachelor of science degree in mathematics from Moscow State University in 1994.

Ryan W. Quinn, Ph.D., joins the Ohio School of Architecture as assistant professor of architectural theory, planning and design. Quinn was a doctoral student at the University of California, Berkeley in 2003, and a doctorate in mathematics from the University of Michigan in 1998, and a bachelor of science degree in mathematics from Moscow State University in 1994.

Affecting Human Health

Medical Botany: Plants Affecting Human Health

Two biologists have written a book that clarifies and classifies the rules that plants and herbs play in human health. The intended audience encompasses both consumers of natural products and herbs as well as traditional physicians who today treat many such patterns.

The work can be a cornerstone of an individual's research and practice in this area, whether it be pursuing the effectiveness of echinacea or St. John's wort, or learning the calcium content in black beans, or the medicinal value of garlic and red wine.


The earlier book was patterned after texts on internal medicine. It was intended to be a guide to how certain pharmaceuticals evolved from plant sources and how the use of plants and herbs for health purposes has evolved in many cultures.

The new book is a cornucopia of information on the benefits of plants, herbs, vitamins and minerals as well as the dangers of ingesting certain plants or combining certain herbal therapies with conventional treatments. There are countless such descriptions in the 812-page book.

There are lightly written indexes in each chapter, existing the healthy properties of soybeans, for instance, or the good news about chocolate's benefits.

Part I consists of three chapters on poisonous plants, including a very long table describing the symptoms of plant poisoning complete with antidotes. There are twelve chapters in Part II that look at every conceivable part of the human body and mind as they relate to plant and herbal treatments, including plants that affect metabolism and the gastrointestinal tract, and plants as they relate to cancer.

Part III is composed of four chapters on psychoactive plants, dealing with stimulants, hallucinogens and depressants.

---Troy Fitzgerald

Joseph Chole, architecture graduate student, 31

Joseph Chole, a graduate student in the School of Architecture, died Thursday, Nov. 27, 2003, after a lengthy battle with cancer. He was 31.

Chole was born Nov. 28, 1971, in Pontotoc, Calif. He earned a bachelor's degree in political science with a minor in religious studies in 1994 from the University of California, Davis, and worked at the ABC affiliate, Channel 10, in Sacramento before moving to St. Louis to attend school.

"Our sympathies and condolences go out to Joe's family and friends," said Peter MacKeith, associate dean in the School of Architecture, "Those who knew him here will especially miss his humor, optimism and spirit."

He loved to build, travel, sing and laugh. He is survived by his parents, Richard A. Chole, M.D., the Lindberg Professor and head of the Department of Otolaryngology in the School of Medicine, and Cindy Chole, brother and sister-in-law, Tom and Nicole Chole, sister, Katy Chole, sister and brother-in-law, Lindy and Matthew; grandparents, Wendy Chole and Tom and Ethel Betise; nieces Lauren Chole and cousin and cousins and friends.

A commercial service will be held at 2 p.m. Dec. 6 at the First Evangelical Free Church of St. Louis County, 1753 Garvan Road, Manchester, Mo. Family will receive friends at the church from 1 p.m. until the time of the service.
Peanut butter project
A project started by Mark J. Manary feeds thousands of starving African children

By DIANE DUKE WILLIAMS

At top left, a Malawian mother holds her young son while he eats Mark Manary's peanut butter mixture, which helps an amazing 95 percent of the malnourished children who receive it. At right, Manary, M.D., associate professor of pediatrics, sits with a Peanut Butter Project patient. At left, medical student Heidi Sandige feeds one of the 3,000 children who benefited from the project last year.

Peanut butter could save the world. If Mark J. Manary, M.D., has his way, that very goofy lunchbox staple might be kids' best hope for the future.

Manary, associate professor of pediatrics, started a program two years ago that has saved hundreds of starving children in one of the poorest countries in southern Africa. And some day that Peanut Butter Project could benefit millions of children in the developing world.

"Optimism is very powerful," Manary says. "If you believe that something's possible, you will put your heart and soul in it and try it. And sometimes, it will work."

Manary first visited Africa in 1985 and returned a second time almost 20 years later with a Fulbright Scholar at the University of Malawi's College of Medicine. When he arrived, the pediatrics chief of the medical school asked him to pick a specialty but warned him of the pitfalls of tackling nutrition.

He told Manary the ward was a mess, kids seemed to die very frequently and doctors didn't know why. But Manary has always liked a challenge and a chance to make things better.

At the university's hospital, Manary found that large amounts of potassium to children's diets, decreasing the hospital's case fatality rate from 60 percent to 10 percent.

In Malawi, a country about the size of Kentucky and mostly made up of poor farmers, more than half the children are chronically malnourished, and in eight children die because they don't get enough to eat. Each year, tens of thousands of kids are seen in outpatient feeding centers — established solely for the treatment of starving children — where they receive a milk-dense mixture. Only 25 percent fully recover.

After his experience at the University of Washington's French Medicine, Manary knew he wanted to study severe malnutrition and return to that country. He never took more than two terms in a year, sometimes with his wife, Mardi, and his children, Megan, 16, and Micah, 14.

Health-care workers in Malawi believed starving children needed to take nutrients foods from the hospital. After consulting a French nutritionist who was developing peanut butter recipes, Manary launched the Peanut Butter Project in 2001.

As part of it, some of the children discharged from the country's largest hospital took home a peanut butter mixture to eat three times a day for five weeks. The conventionally packaged mixture included peanut butter, vitamins, minerals, sugar and vegetable oil.

Manary's colleague James P. Keating, M.D., the W. McKim O. Keating, M.D., Professor of Pediatrics, adds: "Mark is a man of solid intelligence with hard-earned substance abuse. He has this amazing quality of humanity and humility of the biblical Good Samaritan in his work in Malawi."

Manary's work will change the way children in the developing world are fed. He recently went to a meeting in Ireland, attended by 70 experts on the treatment of severe malnutrition from either the academic world or major United Nations or nongovernmental aid agencies.

"The whole meeting was about home-based therapy, and the idea is obviously gaining more and more attention and having major practical implications," Manary says.

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