In contrast to claims that children are being overmedicated for attention-deficit/hyperactivity disorder (ADHD), School of Medicine researchers have found that many kids with ADHD are not receiving treatment.

In fact, almost half of the children — within a 1,610-member study group — who might have benefited from ADHD drugs were not getting them.

"What we found was somewhat surprising," said first author Todd M. Braver, Ph.D., the Edward J. Ittleson Professor of Psychiatry and professor of genetics. "Only about 58 percent of boys and about 50 percent of girls who had a diagnosis of full-scale ADHD got any medication at all." Much has been written about the increasing number of children taking drugs for ADHD. One study found that the percentage of elementary school children taking medication for ADHD more than tripled, raising from 0.6 percent in 1973 to 3 percent by 1987. Another study reported that the number of adolescents taking ADHD drugs increased 2.5 times between 1990-95. And many reports have noted a rapid increase in the U.S. manufacturer of the stimulant drug methylphenidate — usually sold under the brand names Ritalin or Concerta.

Todd manages a database of twins born in Missouri. From that database, medical school researchers studied 1,610 twins between the ages of 7 and 17. Of those, 359 met full criteria for ADHD: 302 boys and 57 girls. There were 1,066 boys and 694 girls in the sample.

"From a clinical point of view, this study affirms that for whatever reason, many children who could benefit from treatment are not receiving it," said first author Wendy Sech, Ph.D., researcher of psychiatry in the School of Medicine. "It's possible those children aren't being identified at schools or pediatricians' offices or that their parents are choosing not to give their children stimulant medication," Todd said.

"It may be that mental health professionals need to do a better job of explaining the risks and benefits of treatment," Todd said. "The vast majority of parents whose children were involved in this study reported that their kids improved with medication, and when used properly, these drugs have been shown to be very safe."

Todd, who is also the chief of child psychiatry, said among the 1,251 kids in the study who did not have ADHD, some took stimulant medications, but it was a very small percentage — only 0.6 percent of the boys and 2.6 percent of the girls.

He said, however, that in many cases, "...traditional lines between brain-related research in these fields have been blurred." GREGORY DRAANGELI

BY BARBARA REA

Veteran reporter Hersh opens Assembly Series

Hersh is the author of the 1970 book, in 1970, "most dangerous muckrakers" in the country. His work often draws readers to the dark, shadowy world of politics and the military-industrial complex. What separates him from other investigative reporters is his extensive insider contacts repeatedly at the top of the political and military chains. Possibly no other story Hersh has exposed over the past three decades could serve as a better example of leadership at the top of the military's abuse of detainees in Abu Ghraib. The fruits of his extensive insider contacts repeatedly at the top of the political and military chains. Possibly no other story Hersh has exposed over the past three decades could serve as a better example of leadership at the top of the military's abuse of detainees in Abu Ghraib. The fruits of his extensive insider contacts repeatedly at the top of the political and military chains. Possibly no other story Hersh has exposed over the past three decades could serve as a better example of leadership at the top of the military's abuse of detainees in Abu Ghraib.
Nathan Dardick revisits past and offers a lasting gift

BY BARBARA REA

The day after Washington University's 145th Commencement, retired securities lawyer and financier Nathan Dardick addressed a crowd of his classmates. Mathews-Dickey presented Wrighton with the "Soaring Eagle," funded by Anheuser-Busch, in recognition of his years as a WUSTL undergraduate and for his great generosity."
Washington University physicians adopt electronic medical records

BY GWEN ERICKSON

Paying the "where's-the-chart?" game in the Division of Cardiologic Surgery recently became obsolete when the division switched from using paper files to a fully electronic medical record system.

"In our division, there might be more than one specialist could know your preferred pharmacy, or at other clinics — on the computer," said Troy Burrus, system program manager with the WU Physicians group. "If you've seen your dermatologist, for instance, and you need a refill for your Aspirin, you can just push a button and send it straight to the pharmacy," said Troy Burrus, system program manager with the WU Physicians group. "Having it in an electronic format has really helped.

Patients may find electronic medical records improve their experience as well.

"The system can be set up to know your preferred pharmacy, so a care manager can just push a button and send it straight to the pharmacy," said Troy Burrus. "If you've seen your dermatologist, for instance, and you need a refill for your Aspirin, you can just push a button and send it straight to the pharmacy," said Troy Burrus. "Having it in an electronic format has really helped.

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Oriention offers new students tips on succeeding in classroom

by Neil Schoenfeld

The class of 2010 is here! On Aug. 24, 2006, scheduled for Aug. 24-30, will allow freshmen to meet the faculty, staff members and current students who will help shape their WUSTL experience. This year's orientation, titled "WUSTL 101," encourages students to consider the possibilities and opportunities that the University of the City of St. Louis. Professor Mark R. Rank, chair of the Department of Sociology, and the humanitarian relief that have shocked many who believe that the issues are much more widespread.

Mark R. Rank will deliver a lecture on his recent book One Nation, Underprivileged: Why American Poverty Affects Us All on Sept. 27.

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One Nation, Underprivileged: Why American Poverty Affects Us All

Mark Rank's new book One Nation, Underprivileged: Why American Poverty Affects Us All offers a comprehensive look at the systemic causes and consequences of poverty in the United States. Rank, a professor of sociology at Washington University in St. Louis, draws on his extensive research and personal experiences to provide a nuanced understanding of poverty's impact on individuals, families, and communities.

The book is divided into two main sections. In the first section, "Poverty and Inequality," Rank provides a thorough analysis of the historical and structural factors that have contributed to poverty in the United States. He highlights the ways in which economic inequality, racial disparities, and systemic racism have contributed to the persistence of poverty across generations.

In the second section, "Poverty and Policy," Rank examines the policies and programs that have been implemented to address poverty in the United States. He evaluates the effectiveness and limitations of these policies, and argues for the need for a more comprehensive and equitable approach to poverty reduction.

Throughout the book, Rank draws on his own research and personal experiences to offer insights into the lives of people affected by poverty. He emphasizes the importance of understanding poverty not just as a measure of income but as a complex social phenomenon that affects all aspects of life.

One Nation, Underprivileged is a must-read for anyone interested in understanding the causes and consequences of poverty in the United States. It provides a rigorous and nuanced analysis of poverty's impact on individuals, families, and communities, and offers a call to action for addressing this pressing social issue.
Fall sports previews: 10 offensive starters back for football team

The numbers are plentiful for the football team this year. The Bears return 10 starters on offense, six on defense and two specialists — and with numbers like those, it’s no secret that the Bears are looking for a return to the top of the University Athletic Association.

Last season, the Bears posted a 6-4 overall record and placed second in the UAA. This marked the first time in five years WUSTL did not finish atop the UAA. The Bears ended the season on a positive note, however, winning their last four road games to secure a school-record, 13th straight winning season.

Senior Ryan Kenyon anchors an experienced offensive line featuring eight different returning linemen who started at least one game in 2005. Kenyon, a second-team all-UAA selection, has started 30 straight games at right guard.

Senior Nick Henry emerged as the Bears’ starting quarterback last year after passing for 1,706 yards and 13 touchdowns. A second-team All-UAA selection, Henry finished the season on a high note in the Bears’ four-game road winning streak throwing for 496 yards and 10 touchdowns.

Senior running back Da’Ron Jenkins, a second-team all-UAA selection, averaged 110.7 yards and 13 touchdowns.

Senior punter Chaz Moody, a second-team All-UAA honoree, ran for a team-best 508 yards and eight touchdowns as the Bears’ starting quarterback last year.

Junior Dan Cardone and Joe Lubelski will be the heart of the receiving corps this season. Cardone had 16 catches for 196 yards and one touchdown, while Lubelski, a second-team all-UAA selection, made 14 catches for 166 yards.

Senior defensive lineman Drew Withington leads the Bears defense, which finished 19th in the NCAA Division III in total defense. Withington, a first-team all-UAA and third-team all-region selection, led the Bears in solo tackles (33), tackles for loss (19) and sacks (10).

Sophomore defensive back Tommy Bawden (51 tackles) and senior linebacker Michael Elliott (53) also return on defense for the Bears.

Senior punter Chaz Moody also returns. Moody, a second-team all-UAA selection, averaged 37 yards per kick and landed 12 inside the 20-yard line.

3 All-Americans will lead volleyball squad

On the surface, the 2006 season might seem like the beginning of something new for the volleyball team. Of the five All-America honorees from last season, the Bears’ two first-team selections have graduated and only three starters from last year’s 5-2 squad are back.

Yet drawing on past experiences could be key to the hopes of the Red and Green this year.

On the Web

For complete sports schedules and results, go to bearsports.wustl.edu.

Six starters return for women’s soccer team

After finishing with a disappointing 11-7-1 record and a fourth-place finish in the UAA last season, the women’s soccer team is eager to hit the field in 2006. Fifth-year head coach Wendy Dillinger has six starters back from last season, including all-region selections Meghan Mar-

Kinder-Finn, a first-team all-UAA honoree in 2005, led the Bears in scoring for the third-straight season with seven goals and four assists for 18 points.

Junior midfielder Bucci, also a first-team all-UAA selection, started 19 games last year, tallying three goals and three assists.

Senior forward Sara Schroed-er started 15 games last season, and returned her final season ranked 10th on the all-time goals list (13). Juniors Marja McCarthy (three goals) and Kim O’Keefe (four goals) each provided a scoring punch up front last season for the Bears.

In the backfield, Washington U. returns two starters in junior Jessica Deneweth and Breta Kennedy, who manned the stays in the defense, which allowed just 12 goals and posted 10 shutouts last season. Kennedy earned honorable mention All-UAA honors after starting 18 of 19 games.

Dillinger also expects an immediate impact from a talented freshman class.

On the court, the Bears return three All-Americans from 2005 — will factor in the team’s more season runners.

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there's an understandable reason those children have sought treatment. The study found that most of the children who took medication for ADHD who took medication did not have some symptoms of ADHD — some hyperactivity or overactivity, for instance — but not enough symptoms to meet formal diagnostic criteria as defined by the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). The study also found that most of the kids who took medication without an ADHD diagnosis had a twin who did have the disorder.

"These children have what we might call subthreshold, or mild, forms of ADHD, and they seemed to come from families where both parents had, or had a full-blown ADHD," Todd explained. "We think that children get these drugs because they had one parent who had ADHD, but didn't show all the symptoms of the disorder, or rather, the disorders."

"It's becoming clearer that ADHD is not a single problem but a group of disorders that have different causes but similar clinical expressions," he explained. "There also can be lots of reasons why you become diabetic or hyperactive. The end result is high blood sugar or elevated blood pressure, but how that happens can differ greatly from individual to individual. It's the same thing with ADHD.

Todd said he hopes that genes are identified, it may be possible to intervene in new ways — with psychotherapies, environmental interventions or medications that affect biological pathways that haven't yet been identified. But he said a potential stumbling block in the future is, he's getting children into treatment.

"That's especially hard for girls because for whatever reason, even less than 10 percent of girls who had ADHD in this sample ever received treatment," Todd said. "As genes are discovered, one of the questions is, how treatments and treatments, de novo mutations, can affect, because two problems unless they are used.

Campus Watch

The following incidents were reported to University Police Aug 15-22, 2019. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety and awareness and is available on the University Police Web site at wustl.edu/police.

Criminal

On Aug. 16, a person observed suspects entered his residence at the 4900 block of Waterman Avenue and removed several items of value. Entry was gained by breaking a front-door glass window. And Aug. 11, a person observed suspects entered his residence in the 6900 block of Pershing Avenue and took several items of value.

The suspects loaded the items into a 1991 Chevrolet Caprice with Missouri license plates and drove away. They had gained entrance through an unsecured window.

University Police recommends the following:

Precautions

• Report suspicious persons or activity immediately to the police at 911, or go to the nearest Blue Light Emergency Telephone.

• Lock your apartment door, even when you are home. • Lock the window and apartment. If you have a sliding glass door, you can secure it further by placing a piece of wood in the track to prevent it from opening.

• Never open exterior doors or gates. If you see a door propped open, close it.

• Don't allow anyone to do not want to "tailgate" behind you into the building. • When someone knocks at your door, don't open it unless you know your visitor. • If a person is a maintenance worker, • Ask that identify be identified and slipped under the door or through the mail slot. Call the registrar to verify to see if maintenance work is scheduled to be performed. Service to that anyone with whom you can't be associated with this request.

If you arrive home to find unusual sounds or believe your apartment is under attack, don't go in. Instead, go to a telephone and call the police.

When you are away from your residence, leave your interior lights on. Aug. 14

12:45 p.m. • An unknown individual stole a bike from the top of a vehicle that was parked in the Millbrook Parking Garage. The theft occurred between 10:15 a.m. and 12:44 p.m.

Additionally, University Police responded to a report of an incident with injury accident and three reports of larceny.

Hollywood at Millstone Pond A Hollywood movie crew shoots scenes at the Athletic Complex's Millstone Pool July 19 for the independent feature film "Bill," a comedy starring Jennifer Aniston as a saleswoman and Aaron Eckhart as a stressed-out bank executive. Much of the film was shot at various locations around St. Louis, including a St. Alban's golf course, the former Granada movie theater downtown, the St. Louis Library, the Mary Institute and Saint Louis Country Day School in Ladue and an Oberweis Dairy in South County. The production team chose St. Louis because it needed a typical Midwestern city and because Missouri offers attractive tax incentives. The film, featuring St. Louisans in background roles, is slated to be in theaters sometime next year.

NSF

Model program yields "sophisticated students" from Page 1

CCSN Pathway was designed to train a new generation of scientists who can use all of the available tools to unravel the inner workings of the brain. We feel that the pathway provides a model for how interdisciplinary, graduate education will be done in the future.

The grant, part of the NSF's Integrated Graduate Education and Research (IGERT) program, will extend and sustain the pathway for the next several years, DeAngelis said, providing stipends and educational expenses for six students per year, for two years per student. All students in the three doctoral programs can participate in CCSN courses.

Candidates for the IGERT funding must be U.S. citizens or residents, and need to apply and be accepted to the CCSN program as part of their graduate school application. Upon acceptance, participants need to commit to finishing the program.

The CCSN program's integrat ed curriculum was designed to foster students' abilities in all three areas. Five areas, identified as the first three of which are core classes and the third is an elective, require all students to cross-train and learn the fundamentals of each other's fields. These classes are: Cognitive Psychology Seminars, a lecture series that explores the main topics of cognitive psychology; Biological Neural Computation, which details computations performed in the nervous system; and Neural Systems, which covers fundamental topics in systems-level neurobiology, functional neuroanatomy and the neural basis of behavior.

As students progress, advanced CCSN will help them develop critical thinking and analysis skills in the context of a number of interdisciplinary and highly advanced research projects. The students will develop skills and experiences in a variety of perspectives. In CCSN Project Building, the final course, students will choose a research plan in conjunction with at least two faculty members from different disciplines and project students. The pathways culminates with the production of a National Institutes of Health-style grant proposal on the research project, serving for many students as a solid precursor to their thesis proposals.

Additional CCSN training includes an inter-session course on mathematics and statistics of experimental neuroscience designed by Thoroumahan; an intensive summer research experience headed by Beaver; and an educational outreach program to be conducted with the St. Louis Science Center.

Besides the formal coursework and programs, the CCSN pathway will offer students personal and professional development through a series of "Immersive Encounters," with field experts, as well as discussion groups, and the opportunity to travel to unique conferences.

"This (the pathway) is a rich graduate training program," Thoroumahan said. "The five courses partially satisfy the whole Ph.D. requirement and add between six months to a year of additional coursework. The program facilitates sustained communication with potential employers such as the graduate school career, when they get to meet and get to know the indexes of what they want to do with their programs."

But Thoroumahan said students aren't the only ones gaining from the program. "The CCSN benefits facility by bringing us sophisticated scientists who are able to generate research that is interestingly interdisciplinary. We think that the pathway is very important in the molding of cutting-edge brain scientists who will be very well trained in theory and practice."
Medical Center presents alumni, distinguished service awards

**Notables**

**BY BETH MILLER**

The Medical Center Alumni Association honored seven physicians for alumni achievement and distinguished service during its reunion activities recently at the Ritz-Carlton St. Louis.


Bloom is associate director of Rocky Mountain Laboratories (RML) of the Division of Intramural Research of the National Institutes of Health's National Institute of Allergy and Infectious Diseases (NIAID), in Hamilton, Mont.

He is internationally recognized for his research on parvoviruses and pathogenesis of chronic viral illness and for his expertise in biocontainment and biodefense. Bloom earned undergraduate and medical degrees from WUSTL.

For completing a pediatric fellowship at St. Louis Children's Hospital, he went to RML as a research associate.

He became an RML-recognized investigator in 1977, was designated as acting chief of the RML Laboratory of Human Bacterial Pathogenesis in 2005 and played a critical role in the development of the NIAID's first protocol for evaluation of vaccine candidate strategies for vaccine development.

Walker is an associate professor emeritus of abdominal surgery at the School of Medicine, known for his distinguished career as a vascular surgeon.

A native St. Louisian, Walker completed his undergraduate education at WUSTL and earned a medical degree from the School of Medicine in 1948.

He completed an internship, residency and chief residency at Barnes Hospital. He joined the WUSTL faculty in 1953 and served St. Louis' Homer G. Phillips Hospital as a surgical consultant and supervisor of surgery for 25 years.

As a faculty member, Walker was considered an outstanding clinician and mentor who had a lasting impact on many students and residents. After retirement, he volunteered as a surgical consultant for Connect Care for two years.

Semenovich is the Herbert S. Gainer Professor, professor of medicine and director of the Division of Endocrinology, Metabolism and Lipid Research. He is known for his contributions to the understanding of lipid metabolism, diabetes and atherosclerosis.

He earned a medical degree from WUSTL in 1961 and completed a residency at Barnes Hospital and a fellowship at WUSTL. He joined the faculty in 1990 and was named professor in 1999.

He has served as assistant program director of the University's General Clinical Research Center and is the founding director of the Building Interdisciplinary Research Careers in Women's Health Program.

Semenovich has used genetically manipulated mice to develop strategies for reversing insulin resistance, hyperinsulinemia and obesity.

Storch is the Ruth L. Kainen Professor of Pediatrics and professor of medicine and of molecular microbiology. He is known for his work in virology, specifically in molecular diagnostics of viral infections and in pediatric HIV/AIDS.

He earned a bachelor's degree from Harvard University in 1969 and a medical degree from New York University in 1973. He came to St. Louis for his internship and residency at Jewish Hospital. After two years with the Centers for Disease Control and Prevention, Storch returned to WUSTL, joining the faculty in 1981 and becoming a professor in 1994.

Storch is director of the divisions of Laboratory Medicine and Critical Care in the Department of Pediatrics and is director of the Clinical Microbiology Laboratory at St. Louis Children's Hospital.

McAlister is professor of radiology and pediatrics. In 1960, he came to St. Louis as an instructor in radiology at Mallinckrodt Institute of Radiology and the School of Medicine.

He earned a bachelor's degree from New York University in 1973. He completed an internship, residency at Jewish Hospital. After two years with the Centers for Disease Control and Prevention, Storch returned to WUSTL, joining the faculty in 1981 and becoming a professor in 1994.

Storch is director of the divisions of Laboratory Medicine and Critical Care in the Department of Pediatrics and is director of the Clinical Microbiology Laboratory at St. Louis Children's Hospital.

Peil previously served as executive director of the International Law Students Association in Chicago, including administration of the Philip C. Jessup International Law Moot Court Competition, which receives entrants from more than 90 countries.

As an adjunct professor at DePaul University College of Law since 1997, Peil has taught Law of the European Union and coached students in moot court competitions.

Peil also has experience as an office technology manager at Jere- tten & Gilchrist PC and was an associate attorney at Albreiter/ Block.

Peil earned a law degree from DePaul University College of Law since 1998, was named professor of law and has taught Law of the European Union.

He earned a bachelor's degree in Russian and history from Wake Forest University.

**Of note**

Frank G-P Yin, Ph.D., the Stephen F. and Camilla T. Bauer Professor of biomedical engineering and chair of that department, has received a $250,000 grant from the Wallace H. Coulter Foundation for research titled "Transport and Mass Transfer in Bone: A Biomaterials Approach".

Brady Bolten, Ph.D., professor of chemistry in Arts & Sciences, has received a three-year, $77,000 grant from the National Science Foundation for research titled "Towards a Spectrometer for Innovative Advanced Laboratory X-ray Fluorescence".

The University has given her an equal match, for a total of $144,000.

EnCouncil has named Guy Genin, Ph.D., assistant professor of mathematics and aerospace engineering, Assistant Professor of the Year.

With him to enrich and expand opportunities in international comparative law.

Peil previously served as executive director of the International Law Students Association in Chicago, including administration of the Philip C. Jessup International Law Moot Court Competition, which receives entrants from more than 90 countries.

As an adjunct professor at DePaul University College of Law since 1997, Peil has taught Law of the European Union and coached students in moot court competitions.

Peil also has experience as an office technology manager at Jere- tten & Gilchrist PC and was an associate attorney at Albreiter/ Block.

Peil earned a law degree from DePaul University College of Law since 1998, was named professor of law and has taught Law of the European Union.

He earned a bachelor's degree in Russian and history from Wake Forest University.

**For the Record**

**Of note**

Michael Chaplin, career development specialist, Adviser of the EnCouncil, has received a three-year, $250,000 grant from the National Science Foundation for research titled "Collaborative Research: Ecology of Drosophila Branching Bacterial and Archaeal Communities in Complex Fluids and their Application", by the National Science Foundation.
When Leah Merrifield left St. Louis and her job advising undergraduate business students at the University, she really didn’t expect to be coming back — much less coming back to the same environment she left.

But 10 years after accompanying her husband, who took their head basketball coaching job at Emory University, she found herself back in St. Louis after a few stops along the way.

Now, she’s special assistant to the chancellor for diversity initiatives, her third position during her second stint at the University.

Upon her return in 1996, she advised full-time master of business administration students then she worked as business relations.

When some people are interested in their destination and how they got there, it appears that Merrifield is happy with going on the ride and trying different things.

“If it illustrates to me that it’s possible to have a really rich career at Washington University,” Merrifield says. “When I was looking for new positions for growth, I wasn’t limited to what was in the business school; I was able to look beyond the walls of Simon Hall and be on the receiving end.”

“Whether that was finding a point person in connection with the University — that of special assistant to the chancellor for diversity initiatives. “It’s about creating a culture where everyone feels valued,” Leah Merrifield says. “It’s a concern, there was nothing to be done to ease that person’s pain.”

When I met with him in the past, I would go in there and she would ask me what I thought. She would be very straight and open. If there was something troubling, she was the type of person that you could talk to.”

“I mean, he’s the boss, so that’s easy, but it’s also about him understanding and being able to work very closely with the full-time master of business administration students at the University.”

“Leah has spent the past year applying new energy and giving new life to our approach to diversity,” Wrighton said.

“She will not tolerate obstacles and could help him. The more he talked about what he wanted to do and the more I saw his commitment and passion, the more I thought ‘Yeah, that sounds interesting and could have a different kind of impact for our students, faculty and staff.”

“It’s not so much how we can recruit people from different backgrounds,” she says, “but what will we do once they are here to retain them? We really want this institution to be a place that people want to come and grow and thrive as researchers and teachers and administrators.

“Then, when they have won degrees, will they leave us wanting somewhere else?”

“We have finally found a permanent home where everyone feels valued,” Leah Merrifield says. “It’s a point person in connection with the University.”

Most of the past year has been spent communicating internally the goals of the initiative across disciplines at the University.

“It’s about creating a culture where everyone feels valued,” she says. “And we think you need to be different, but to be different is what it’s all about.”

So, Wrighton asked each member who has the credentials and experience to be senior administrators. But in disciplines such as engineering, architecture where both women and people of color are underrepresented, the pipeline is certainly an issue.

“Leah has been here for more than 15 years. So far, in just over a year on the job (her position was effective July 1, 2005), she admits it’s too early to perceive any major shift in diversity.”

“Leah also seems to lead with her heart and her heart beats, which may be the right balance of vision plus the necessary guts and belts.

She will not tolerate obstacles and she is very encouraging rather than punitive in her approach to solving problems, and she expects us to be the same. If one truly cares about an issue like diversity, this seems to me to be the right approach.”

“Leah cares deeply about expanding diversity and building community,” Pam Lokken says. “Her commitment to both of these challenges is what gives me great confidence that the University will advance its aspirations in both areas.”

It didn’t take long for Merrifield to accept the chancellor’s offer, in large part because of his commitment and passion.

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