ORAL HEALTH

Smiles and Shine

CENTENNIAL CELEBRATION: The Eastman Institute for Oral Health kicked off its centennial year this spring with an event—Shine a Light on Eastman Dental—that literally put a spotlight on it. Founded by George Eastman as the Rochester Dental Dispensary, the institute began offering much-needed dental care to Rochester schoolchildren. The institute has grown into an internationally recognized center of oral health research, education, and clinical care. It has also expanded its original mission of community service to include older adults and people with medically complex health issues and intellectual and developmental disabilities. **PHOTOGRAPH BY ADAM FENSTER**

MEMORIAL ART GALLERY

Evolutionary Art

IMMERSED: Artist Nate Hodge created an "immersive painted environment" in the Hurlbut Gallery over four weeks this spring. Titled "Inhabited Space," the painting suggests the continuous growth and evolution of a natural ecosystem. Hodge took an evolutionary approach himself, allowing the piece to unfold as he painted. He's the recipient of the 2015 Lillian Fairchild Memorial Award, given annually by the Department of English to a local artist for commitment to arts in the community. **PHOTOGRAPH BY ADAM FENSTER**


FOR
NATE HODGE
DO NOT REMOVE

ENGINEERING

Better Baja

HANDS-ON LEARNING: Mike Myers '16 was at the wheel when the Baja team participated in the Baja SAE Endurance Race at Hogback Hill Motorcross in Palmyra, New York, in June. Baja competitions are the culmination of months of effort by students, who design and build a vehicle, and generate financial and in-kind support from outside sponsors. The Palmyra event—which attracted 100 teams, 28 of which were from other countries—involved acceleration, maneuverability, and other competitions, followed by a four-hour endurance race, in which Rochester finished in 27th place. **PHOTOGRAPH BY ADAM FENSTER**


BRIGGS&STRATTON
SAE
INTERNATIONAL
HAJIM
BAJA SAE

Danny Wegman

Lizette Pérez-Deisboeck

Alan Zekelman

TRUSTEES

Danny Wegman Becomes Board Chair

Two new trustees appointed during board's May meeting.

Danny Wegman, CEO of Rochester-based Wegmans Food Markets, became chair of the Board of Trustees at the May meeting. Wegman, who was chair-elect for the past year, will serve a five-year term. He succeeds Ed Hajim '58, who is now chair emeritus.

Wegman has been a trustee for more than 15 years. For five years, he and President and CEO Joel Seligman cochaired the Finger Lakes Regional Economic Development Council, part of New York State's community-based economic development program. Wegman became president of the 88-store grocery chain in 1976 and was named CEO in 2005.

In April 2014, as president and chairman of the board of the Wegman Family Charitable Foundation, he announced two major contributions to the University: a $10 million lead gift to the new Goergen Institute for Data Science and a $7 million gift to support the Golisano Children's Hospital. Together with previous gifts to several

ENGINEERING

Wendi Heinzelman Named Dean of the Hajim School

Internationally regarded electrical and computer engineer takes the helm.

A noted researcher and academic leader is the new dean of the Hajim School of Engineering & Applied Sciences.

Wendi Heinzelman, a professor of electrical and computer engineering with a secondary appointment in the Department of Computer Science, begins her five-year term on July 1. She is the school's first female dean.

Heinzelman takes over from Rob Clark, who on July 1 begins a five-year term as provost, succeeding Peter Lennie.

Since 2008, Heinzelman has served as dean of graduate studies in Arts, Sciences & Engineering. In the announcement of her appointment, which followed a nationwide search, President and CEO Joel Seligman praised Heinzelman's cultivation of "top-notch and innovative graduate programs" as well as her own research and the collaborations surrounding it.

Heinzelman is a specialist in wireless communications and networking, mobile computing, and multimedia communication.

NEW DEAN: Heinzelman says she will emphasize interdisciplinary collaboration.

Her work has broad implications, including providing real-time communications tools for soldiers in the field, enabling conservation through the observation of remote rivers, and developing mobile applications that support personal health monitoring.

Heinzelman is a cofounder of Networking Networking Women, or N2Women, an international organization that fosters connections between women in computer networking and related research fields. Created a decade ago, the group now has more than 900 members worldwide.

She emphasizes interdisciplinary collaboration as one of her goals for the school as dean. "I believe that engineering has relevance to the arts, medicine, social sciences, natural sciences, business, and education, and that these disciplines have relevance to engineering," she says. R

—SARA MILLER

BRANDON VICK (HEINZELMAN)

Ed Hajim

programs across the University, the foundation has provided more than $20 million to *The Meliora Challenge:* The Campaign for the University of Rochester.

Wegman and his wife, Konstanze (Stency), are members of the George Eastman Circle, the University's leadership annual giving society.

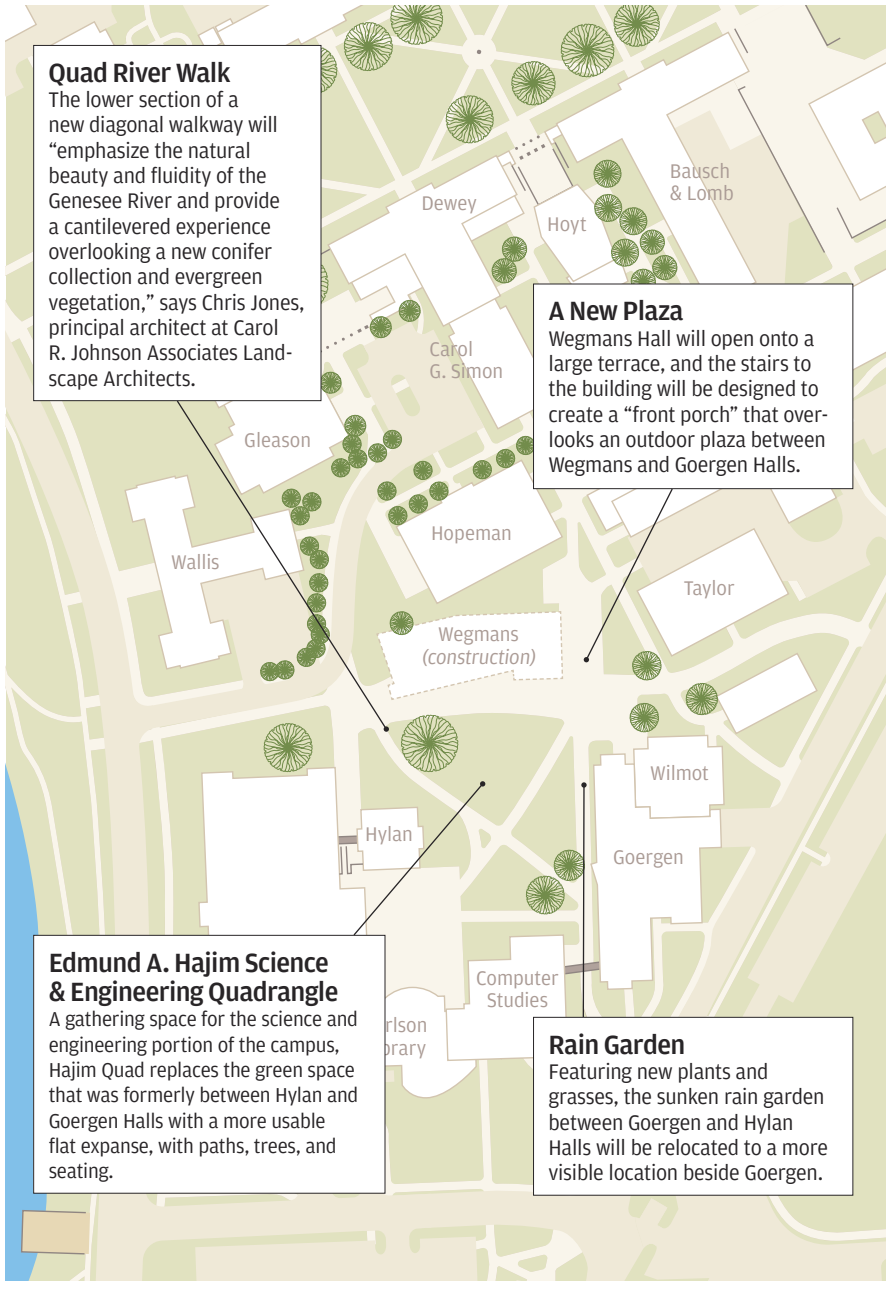
Newly Elected Trustees

Lizette Pérez-Deisboeck '87 is a general counsel of Battery Ventures, a Boston-based venture capital and private equity firm focused on worldwide technology and innovation investment. Before joining Battery Ventures in 2009, Pérez-Deisboeck was a partner at Goodwin Procter, where she practiced in the area of technology and emerging companies, and was vice president for legal affairs and operations for Idealab, a creator and operator of pioneering technology companies.

A member of the George Eastman Circle, she serves on the Diversity Initiative Campaign Committee and was a member of her 25th Reunion Committee.

Alan Zekelman '87S (MS) is a director of Zekelman Industries, the largest independent tubular products manufacturer in North America. A native of Windsor, Ontario, Zekelman received Rochester's Richard L. Rosenthal Award for Innovation in Investment Management/Corporate Finance. He received an honorary doctor of laws degree at the Simon School commencement ceremony in June.

Zekelman, a George Eastman Circle member, has served on Simon's Executive Advisory Committee, National Council, and Advisory Council. He and his wife, Lori Talsky-Zekelman, established the Lori and Alan S. Zekelman Distinguished Professorship of Business Administration at the Simon School.



Tip of the Hat to Hajim

The Board of Trustees in May also recognized the contributions of Ed Hajim '58, voting to name the new science and engineering quadrangle in honor of the outgoing chairman.

Hajim has served on the board for more than 28 years, and steps down as chair after eight. His involvement with the University spans almost 60 years. As chair of the board's Investment Committee, he was instrumental in strengthening Rochester's endowment, and he has been especially involved in strategic planning and advancement efforts.

The president of Diker Management, an investment management company, Hajim received the Eastman Medal at commencement this spring, in recognition of his achievement and service.

The Edmund A. Hajim Science & Engineering Quadrangle is under construction in the area enclosed by Robert B. Goergen Hall, Hylan Hall, Hutchison Hall, the Computer Studies Building, and the future Wegmans Hall.

Plans for the quadrangle will bring greater functionality to the land, with steep inclines reduced to create large, flat green space for tents and other activities. The quad will also feature walkways, seating, new trees, and a botanical rain garden. —Sara Miller

MICHAEL OSADCIW (MAP)

The Future Is Calling

Anthropologist Robert Foster investigates the rise of the mobile phone in the South Pacific.

When Robert Foster, a professor of anthropology, went to Papua New Guinea in 2010, he found a familiar place transformed. Everywhere he turned, people had mobile phones.

He'd begun visiting the southern Pacific island country in the 1980s, when he was working on his doctorate at the University of Chicago. Then, telephones were scarce, with long lines at payphones and locks on the rotary phones in government offices.

"Something had happened—and it happened really quickly. It was just in your face, the change was so dramatic," Foster, the Richard L. Turner Professor of Humanities, says. He wanted to know why, and how, and what it means for the culture of Papua New Guinea, or PNG.

He's now in the second year of a three-year research project, funded by the Australian Research Council, on the moral and cultural economy of the mobile phone in PNG and Fiji. His research partner is Heather Horst, an anthropologist at Royal Melbourne Institute of Technology University in Australia.

The majority of the world's mobile phones are owned by people in the developing world. That's because it takes only a little bit of money to keep them working on a pay-as-you-go plan. It's the same way electricity and water are typically purchased in developing countries. "People can pay tiny amounts, like 50 cents, to top up their phone credit," Foster says.

He and Horst are gathering primary historical and ethnographic data on information and communication technologies in two Pacific countries where there has been little empirical research on the subject, especially where it concerns the Internet.

"Like most anthropologists, we're concerned with what people do with new things and how they reconcile them to old ways of doing things and preexisting cultural values," Foster says. "But unlike a lot of anthropologists, we're very interested in the companies and how they operate."

While Foster is an expert in questions of material culture, globalization, and corporations, he's no technology maven—something

Medium Earth Orbit Satellites

A constellation of 12 satellites owned by O3b Networks provides telecommunications services to remote locations around the world. The first group of O3b satellites was launched in 2013. Service to Papua New Guinea began in 2014.

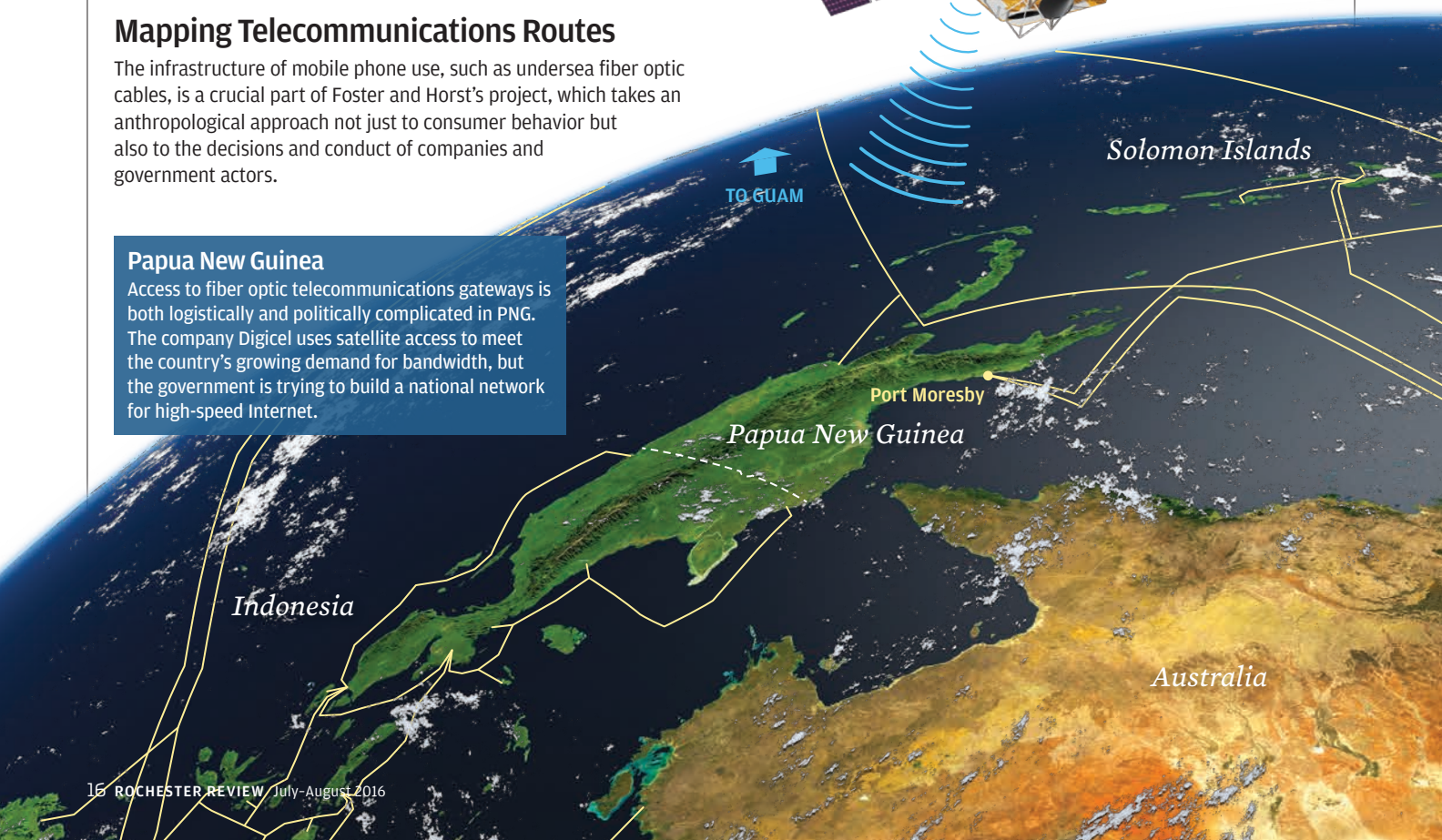
O3b Communications Satellite

Mapping Telecommunications Routes

The infrastructure of mobile phone use, such as undersea fiber optic cables, is a crucial part of Foster and Horst's project, which takes an anthropological approach not just to consumer behavior but also to the decisions and conduct of companies and government actors.

Papua New Guinea

Access to fiber optic telecommunications gateways is both logistically and politically complicated in PNG. The company Digicel uses satellite access to meet the country's growing demand for bandwidth, but the government is trying to build a national network for high-speed Internet.



proven when he pulls out his own battered flip phone. But mobile phones are Horst's specialty. A decade ago, she cowrote the first book-length anthropological study of mobile phones in the Global South, based on fieldwork she'd done in Jamaica. That's where Digicel, the dominant mobile phone service provider in PNG, is headquartered. Following the company's success in the Caribbean, it began moving into the southern Pacific, carving out a new market in PNG and entering into competition with another company, Vodafone, in Fiji.

In PNG, Digicel has flourished. "They claim that up to 90 percent of the population is covered, which is extraordinary, if you know anything about PNG," says Foster. "The terrain is very rough, and a lot of people live in remote areas." The company built its own infrastructure, installing about 1,100 cell towers.

In investigating the moral economies of mobile phone use in PNG and Fiji, the team is investigating how consumers, companies, and the state discharge—or not—their obligations to each other.

Foster is intrigued by the degree to which phones in PNG are individualized. "One might expect that in these societies, people would share phones—they share lots of other things that we tend to privatize," he says. "But the phones, not so much. The notion that every individual has his or her own phone is one that promotes certain ways of thinking about personhood and identity that aren't always taken for granted in PNG."

Take, for instance, mobile phone accounts. "Prepaid subscriptions force you to monitor your account very carefully," Foster says. And the fact that people can send credit over the phone to someone else's account opens them up to frequent entreaties. "People have to make decisions now about how they're going to respond to a cousin's request for $5 in air-time credit. What you're seeing is a way of calculating social relations that's not conventional in PNG, where people are almost starting to have to put prices on particular social relations, including kin relations."

In some respects, the phones make people's lives easier. Mobile banking has caught on in the cities, a response to the daily crowds at the country's banks, the difficulties of travel, and the risk of moving physical money around. But phones are constantly lost or stolen. In interviewing hundreds of people, Foster has met only one who has never experienced the loss of a phone, and that's an impediment, he says, to the possibilities mobile banking offers.

When he and Horst conceived their project, smartphones weren't yet a factor. But their popularity now is forcing the researchers to reimagine their project. What had been a study of a communication device is now research into what happens when people suddenly have handheld computers at the ready.

Horst has prime responsibility for research in Fiji, where government regulations are more extensive than in PNG. For example, SIM cards—the "smart cards" inside a phone—must be registered. Digicel faces greater competition in Fiji, especially from the incumbent company Vodafone, which in 2014 became 100 percent locally owned. A larger middle class also means smartphones have made more inroads there.

Ultimately, Foster says, the team is working to create a history of the last 10 years. Part of the project involves creating an archive of the advertisements, corporate documents, policy papers, and other artifacts surrounding the advent of the mobile phone in both countries.

"A lot of the stuff is ephemeral. If you're interested in the history of advertising, what are you going to do when newspapers are archived digitally? They take out the ads. So a lot of the material, especially around the moment when Digicel came into Fiji and PNG, has to be tracked down and scanned to be preserved."

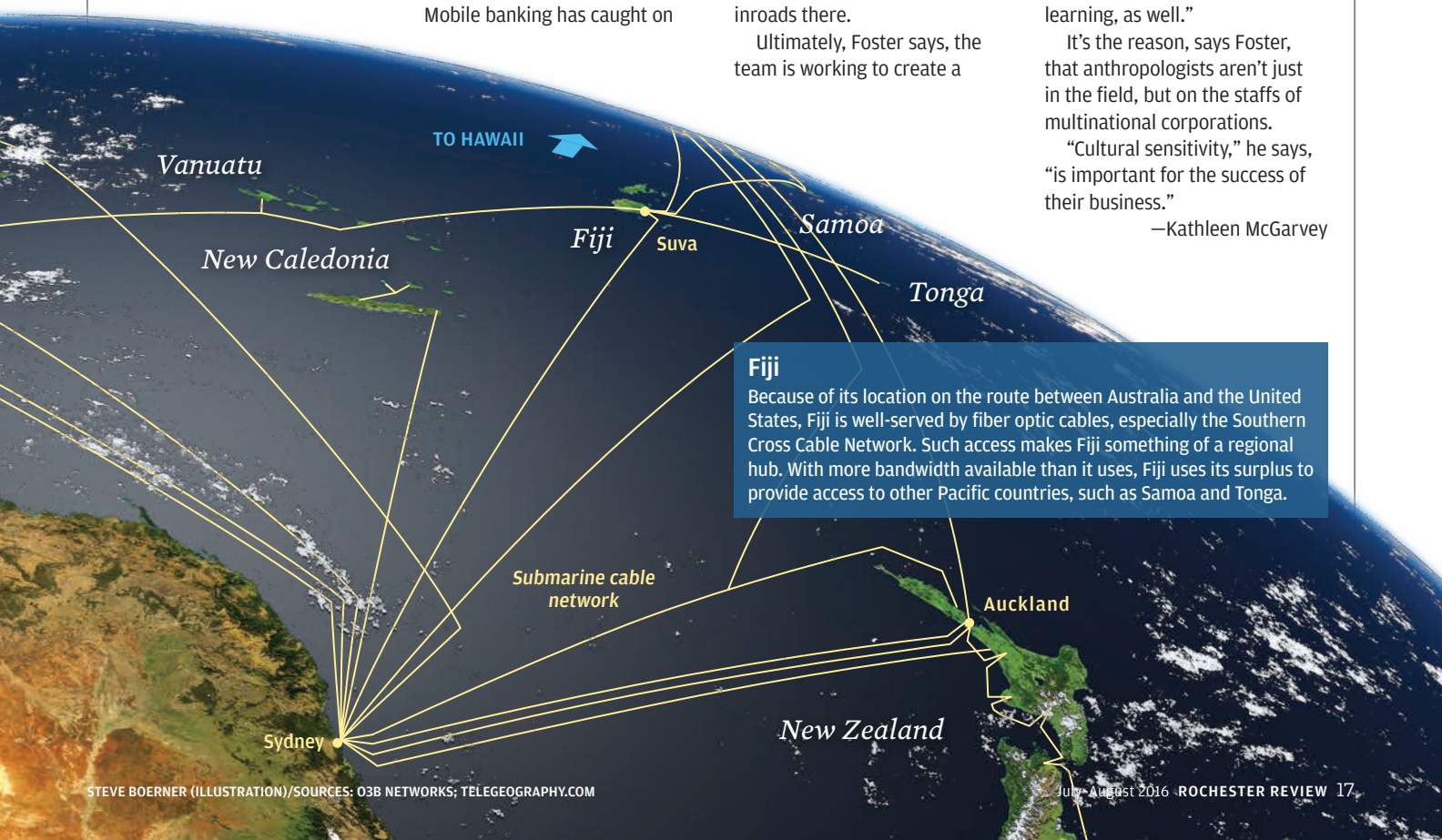
Much of the team's time is spent talking with people, trailing company and government officials, and gathering materials for the archive. They're also examining how the companies have adapted to business in the southern Pacific.

"Consumers look at a technology and say, how are we going to adapt it to our culture? But companies from foreign countries come in and say, all right, how are we going to adapt our marketing, our advertising, and our corporate outreach programs to what local sensibilities are? So they're learning, as well."

It's the reason, says Foster, that anthropologists aren't just in the field, but on the staffs of multinational corporations.

"Cultural sensitivity," he says, "is important for the success of their business."

—Kathleen McGarvey



Fiji

Because of its location on the route between Australia and the United States, Fiji is well-served by fiber optic cables, especially the Southern Cross Cable Network. Such access makes Fiji something of a regional hub. With more bandwidth available than it uses, Fiji uses its surplus to provide access to other Pacific countries, such as Samoa and Tonga.

STEVE BOERNER (ILLUSTRATION)/SOURCES: O3B NETWORKS; TELEGEOGRAPHY.COM

The University's Economic Impact

As Rochester's largest employer, the University has a well-known major economic impact on the immediate community. But a new report by the Center for Governmental Research shows that Rochester is also the largest private employer in upstate New York and the sixth largest in the state overall, with an economic influence that reaches far beyond the region.

Employment

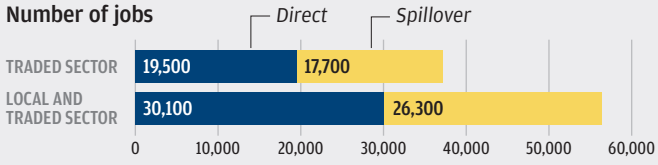
The largest impact is generated by the direct employment of more than 24,000 full-time equivalent workers at the University. Subsequent spending by these employees causes a "spillover" effect that creates more than 23,000 additional jobs in New York.

University of Rochester Direct Employment **Spillover Employment Across New York State** = 100 FTE

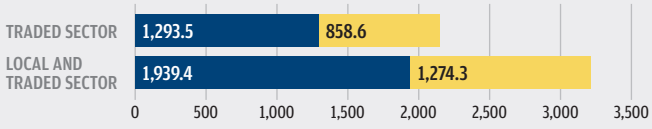
2015 Total Employment Impact in New York State

The CGR report differentiates between the *traded sector*, which brings dollars into a region, and the *local sector*, which reallocates dollars already in the region. When total employment is taken into account—including that created by capital investment, visitor activity, and so forth—the total number of jobs created by the University is around 56,400 and total labor income is more than $3.2 billion.

Number of jobs



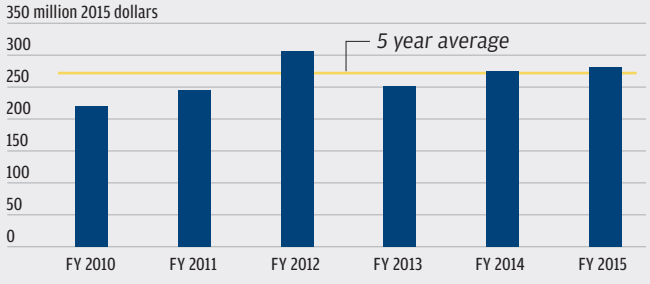
Labor income (millions of dollars)



Capital Expenditures

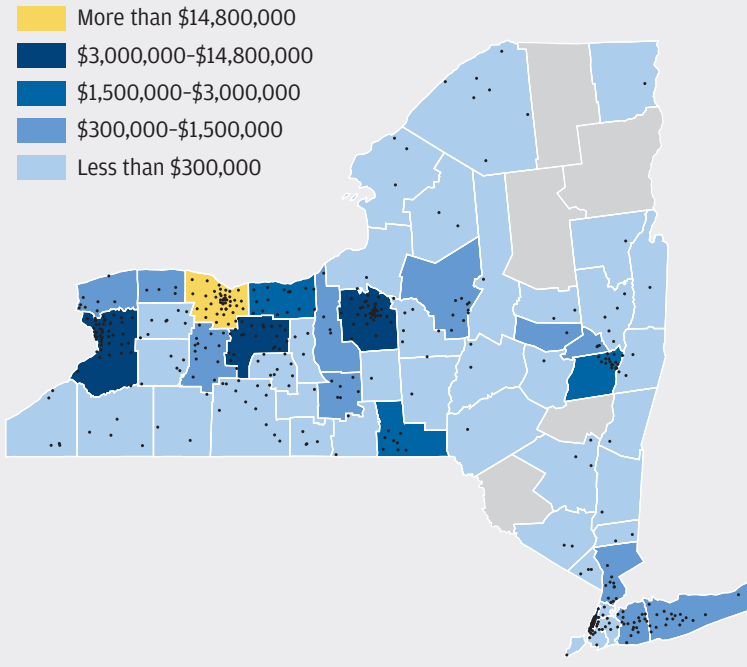
The University's annual capital investments support around 3,300 jobs and bring in about $162 million of labor income to the state economy.

University of Rochester Capital Expenditures



Purchasing

The University and its affiliates purchased almost $1 billion of goods and services in 2015, about $217 million of which was spent in New York, touching all but five counties.

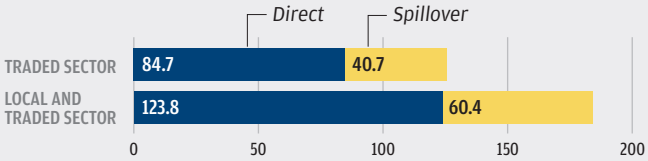


Fiscal Impact

2015 Fiscal Impact on New York State

Total taxes generated including sales tax, New York personal income tax, and local property taxes.

Total taxes (millions of dollars)



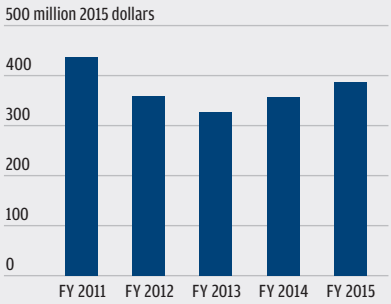
STEVE BOERNER/SOURCE: CENTER FOR GOVERNMENTAL RESEARCH

Research

Research is a significant component of the University's economic impact. Total labor income from Rochester's research enterprise is $312.2 million. In the medical school alone, research grants and contracts support well over 3,000 positions either wholly or in part.

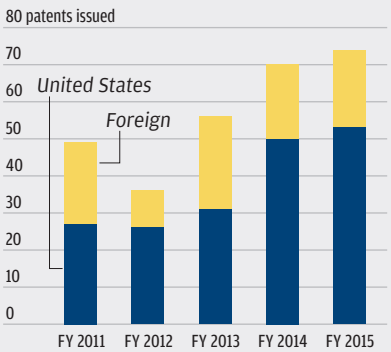
Grant Activity

The University has received nearly $1.8 billion in external funding (federal and non-federal agencies) over the last five years.



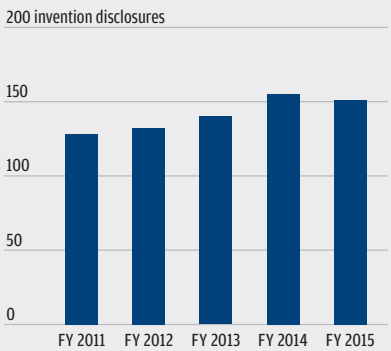
Patents Issued

The University had 74 patents issued in 2015, up slightly from the year before.



Invention Disclosures

The University had 151 invention disclosures in 2015.



NETWORKED: Alaina Tosatti '10, Zachary Gartenhaus '17, Christopher Ostwald '17, Jon Onyiriuka '08, University Trustee Gwen Greene '65, Eugene Heimann '18, Lesley Mah '17, and Sharon Gunther '11 met at a finance networking event in Manhattan's Theater District.

Changing the Culture of Career Development

Alumni and others have new opportunities to be involved in students' career preparation.

For college career centers, the name of the game these days is making connections. This fall, Rochester's Gwen M. Greene Career and Internship Center is launching new programs for alumni volunteers and others to do just that.

A fixture on college campuses since the postwar era, career centers have always changed shape with the times. They emerged at teacher-training colleges in the early 20th century as a way of helping teachers find posts. In the wake of the G.I. Bill, when they became more widespread and began working with a larger and more varied group of graduates, the emphasis moved to human development and the workplace as a psychological environment. In the booming U.S. economy of the 1980s, they became a convenient interviewing and hiring hub for employers.

"Now it's about connectivity, about facilitating and brokering relationships, and teaching students about how to make connections online as well as in person," says Joseph Testani, appointed last summer as executive director of the center.

As a result, he and his colleagues are introducing a range of programs that will bring students together with employers and alumni in venues such as industry- or location-based fairs, road trips that take students off campus to visit alumni in the workplace, and workshops.

Interacting with alumni will give students "more exposure to the possibilities of how they can apply their degrees in ways they probably haven't thought about," Testani says.

It's just one facet of a larger effort to reconceive career preparation. Although currently it's mostly juniors and seniors who use the center, Testani says he and his staff work with everyone from prospective students to graduate students, in every field connected to Arts, Sciences & Engineering.

And thinking about career possibilities and readiness is moving out of the center and into every facet of campus life. Building career skills is happening all the time, in classrooms, in student organizations, and in community experiences, says Testani.

Richard Feldman, dean of the College, calls the move a way of maximizing what the school provides students and says that "shifting the campus culture toward support of career development" is "exactly the right thing to do."

—KATHLEEN MCGARVEY

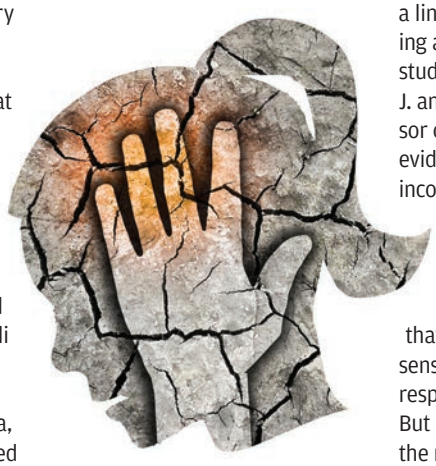
For more information, visit Rochester.edu/alumni/stay-connected/volunteering/arts-sciences-and-engineering-career-center.

ADAM HUNGER/AP IMAGES FOR *ROCHESTER REVIEW*

When the Physical World Is Unreliable

A dependable stream of sensory information is crucial to interpreting the world.

But a new study suggests that for people with schizophrenia, that stream can't be relied on. By this account—published in the journal *Translational Psychiatry*—schizophrenia is a sensory disorder: people with the condition are impaired in their ability to process stimuli from the outside world.



As auditory hallucinations are a hallmark of schizophrenia, researchers have long suspected a link between auditory processing and the disease. The new study, led by John Foxe, the Kilian J. and Carolyn F. Schmitt Professor of Neuroscience, provides evidence that the filtering of incoming visual information, and of touch, is severely compromised in people with schizophrenia.

Scientists have long known that when the brain encounters sensory information, its initial response is large and strong. But as the stimulus is repeated, the reaction fades in intensity, allowing the brain to filter out repetitive and irrelevant information. Now researchers have found that mechanism to be substantially weaker in people with schizophrenia—and an inability to filter sensory information could lead them to experience the world as bizarre and unreliable.

The team hopes that the discovery might lead to simple measures of sensory adaptation that could be used to identify the disease before people are seriously affected by it.

—Mark Michaud

After a Concussion, Slow Down in the Classroom

Student-athletes who get a concussion often return to school within a week, but still have significant problems in the classroom and can't perform at a normal academic level, according to a new study.

Published in the *American Journal of Public Health*, the first-of-its-kind research compared academic problems among 70 students following a diagnosed concussion with academic problems among 108 students who suffered other sports-related injuries to arms or legs, such as an ankle sprain.

One week after the injury, the concussed students experienced academic problems at a higher rate. One month later, there were no differences between male students in the two groups, except for those with a history of two or more prior concussions. Earlier Rochester research has shown that women recover more slowly from brain injuries, and that their menstrual cycles play an important role in brain recovery.

The study suggests the need for accommodations and guidelines on returning to school following a concussion.

"You wouldn't ask students to run a mile or do the 100-yard dash the day they get their cast off," says Jeffrey Bazarian, a professor of emergency medicine, neurology, neurosurgery, and public health sciences. He's coauthor of the study, with Edwin van Wijngaarden, an associate professor of public health sciences.

Accommodating students with a brain injury requires a similar level of awareness, he says.

—Leslie Orr

Helpless Babies, Brainy Parents?

Human newborns are remarkably helpless compared to newborns of many other species. But when your baby is wailing at 3 a.m., you might rally yourself with the thought that your baby's dependence has made you smarter—as little as it might feel like it at that moment.

Human intelligence, a new study suggests, may have evolved in response to the demands of caring for infants. Celeste Kidd and Steven Piantadosi, assistant professors of brain and cognitive sciences, developed a novel evolutionary model in which the progression of high levels of intelligence may be driven by the demands of raising children. The study is available online in the *Proceedings of the National Academy of Sciences* (Early Edition).

Human babies have large brains relative to other species. That requires that humans be born early enough in development that their heads won't be too large for a safe delivery.

But that immature debut means that human babies are helpless for a long time—and such vulnerable babies need intelligent parents.

Examining a range of primate species, the researchers found that weaning time—a measure of the prematurity of a species's infants—was a much better predictor of a primate's intelligence than any other measure, including brain size.

The theory may also explain the origin of cognitive abilities that make humans special. For example, social reasoning—the ability to anticipate the needs of others—may be especially helpful when caring for an infant.

—Monique Patenaude

ADOBE STOCK

ICY: Pluto's largest moon, Charon, is cracked, and new research suggests an encounter with another body might be the cause.

A Crack in the Moon

A new computer model could offer an explanation for how cracks on icy moons, such as Pluto's Charon, formed.

Until now, it was thought that the cracks were the result of geodynamic processes, such as plate tectonics. But research by Alice Quillen, a professor of physics and astronomy, and her collaborators suggests that a close encounter with another body might be the cause.

Astronomers have long known that the craters visible on moons were caused by the impact of other bodies, billions of years ago. But for every crash and graze, there would have been many more close encounters. By devising and running a new computer model, Quillen has shown that the tidal pull exerted by another, similar object could be strong enough to crack the surface of icy moons.

Such moons exhibit what's known as "brittle elastic behavior." Quillen likens it to Silly Putty, which bounces when thrown but breaks apart when stretched hard and fast.

Quillen's computer model constructed the moons' interiors as if they were made up of many bodies connected by springs—a method inspired by computer-graphics code. "The inside of the moons is similar to how blood splatter is modeled in games, and the outer icy crust is similar to modeling clothes and how they move," she says.

In the paper, to be published in the journal *Icarus*, Quillen explains that the key factor for cracking is the strain rate—the rate of pull from another body that would have caused the moons to deform at a rate that their top, icy layer couldn't sustain, leading to cracks.

—Leonor Sierra

Can't Resist Temptation? That May Not Be Bad

Classic 1970s "marshmallow tests" assessed impulse control in preschoolers, offering one marshmallow immediately, or two if the kids waited several minutes. Children who displayed an apparent lack of control by taking the single treat were deemed "maladapted." Follow-up studies identified children raised in poverty as far less likely to postpone temptation than their richer counterparts.

But a new study published in the journal *Psychological Science* suggests that the "maladapted" label needs revision. What looks like selfishness may actually be beneficial behavior for a child raised in an environment with scant resources.

"Kids who are brought up in homes with limited resources have learned it's advantageous to seize the moment," says Melissa Sturge-Apple, an associate professor of psychology and a clinical researcher at the Mt. Hope Family Center.

Sturge-Apple measured the "vagal tone" of preschoolers before they took part in reward-based experiments. The vagus nerve streams information from the heart, lungs, stomach, and other organs to the brain. It's associated with the moderation of moods, including fear and anxiety. High vagal tone is a physiological indicator of "grace under fire"—the ability to slow down heart rate, blood pressure, and respiration, which can allow for a thoughtful response.

Previous research had shown that for children in affluent households, high vagal tone predicts their ability to delay gratification: the higher their vagal tone, the longer they can wait.

But in the Rochester study, children from low-resource households with high vagal tone demonstrated the opposite behavior: the higher their vagal tone, the more quickly they opted for the single treat.

"When all is well and prosperous, kids who are highly attuned to what is going on around them can wait, but when things are scarce and unpredictable, then the question becomes 'why wait?'" says Sturge-Apple.

—Monique Patenaude

NASA/JHUAPL/SWRI (CHARON); ADOBE STOCK (MARSHMALLOW)

Joel Seligman

Seligman Elected to American Academy of Arts and Sciences

University President and CEO Joel Seligman has been elected to membership in one of the country's oldest and most highly regarded honorary learned societies, the American Academy of Arts and Sciences.

Seligman, a noted expert on U.S. securities law who also holds the title of G. Robert Witmer, Jr. University Professor, joins a roster that includes winners of the Pulitzer Prize and the Wolf Prize, MacArthur and Guggenheim Fellowships, the Grammy Award, and the National Book Award. Members of the academy's 236th class will be formally inducted at an October ceremony in Cambridge, Massachusetts.

Seligman joins several University community members who are part of the academy, including the late Nobel Prize laureate Arthur Kornberg '41M (MD), operatic soprano and Grammy Award winner Renée Fleming '83E (MM), and Donald Henderson '54M (MD), an epidemiologist who led the worldwide effort to eradicate smallpox.

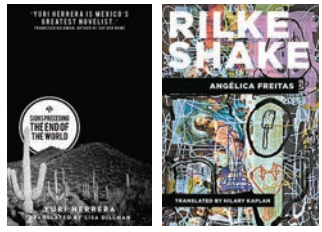
Seligman is one of several Rochester faculty and students who received national honors this year. For a full list, visit Rochester.edu/news/honors.

CONCERTED EFFORT: The Eastman School and the Gateways Music Festival have forged a new alliance dedicated to increasing opportunities and visibility for classical musicians of African descent.

Gateway to Diversity in Classical Music

The Eastman School of Music and the Gateways Music Festival, which have partnered since 1995, have announced a new alliance intended to strengthen their efforts in promoting and increasing diversity in classical music. The six-day biennial summer festival is now called the Gateways Music Festival in association with the Eastman School of Music. Lee Koonce '96E (MM) has been appointed the inaugural president and artistic director of Gateways, which will remain an independent nonprofit organization.

The festival attracts professional classical musicians of African descent from the nation's top orchestras, chamber music ensembles, and educational institutions and has been awarded two grants from the National Endowment for the Arts. Through the new partnership, Eastman will help support the administrative and leadership growth of the festival, which will next be held in August 2017.



Best Translated Book Award Winners Announced

A Mexican novel and a Brazilian book of poetry took the honors at the ninth annual Best Translated Book Awards.

Yuri Herrera's *Signs Preceding the End of the World* (And Other Stories, 2015), a novel about the U.S.-Mexico border, was translated from the Spanish by Lisa Dillman. Herrera is the first Spanish-language author to win the prize for fiction.

Angélica Freitas's *Rilke Shake* (Phoneme Media, 2015), a book of humorous and linguistically inventive poems, was translated from the Portuguese by Hilary Kaplan.

Three Percent, a website that is part of the literary translation program and Open Letter, the University's translation press, launched the awards in 2007. Each winner and translator receives a $5,000 prize, thanks to funding from the Amazon Literary Partnership program.

ADAM FENSTER (SELIGMAN); KEVIN LEYSATH (GATEWAYS)

TOP TEACHERS: Winners of this year's Singer Family Prize, endowed by Paul Singer '66, are (left to right) Mary Bohning, with Pablo Arroyo '16; Chris Hartman '09W (MS), with Ulrik Soderstrom '16; Randall Harper, with Angela Remus '16; and William Kibler, with Jessica He '16.

Singer Family Prizes Awarded to Teachers

Each year, seniors in the College are invited to nominate a high school teacher or staff member for consideration for the Singer Family Prize. Winners receive a plaque and $3,000, as well as $2,500 for their school. They're also invited to attend commencement to watch their students graduate.

This year, four teachers were honored for the influence they had on four of Rochester's most recent graduates. Mary Bohning, an AP environmental science and ecology teacher from Kenosha, Wisconsin, was nominated by Pablo Arroyo '16, who graduated with a degree in environmental science. Chris Hartman '09W (MS), who teaches sustainability at the Harley School in Rochester, was nominated by Ulrik Soderstrom '16, who earned a dual bachelor's degree in environmental studies and data science. Randall Harper, a history teacher from Des Plaines, Illinois, was nominated by Angela Remus '16, who majored in international relations; and William Kibler, an Academic Decathalon teacher in Laveen Village, Arizona, was nominated by Jessica He, who earned a bachelor's degree in biomedical engineering.

New Residence Hall Will Overlook Prince Athletic Complex

Construction begins this summer on a new residence hall on the River Campus, overlooking the Brian F. Prince Athletic Complex. Planned to house 151 first-year students, its design integrates academics, athletics, and student life into the residential experience. It's scheduled to open in fall 2017 and will target LEED (Leadership in Energy and Environmental Design) designation for sustainable construction, operations, and landscaping.

The top four floors will feature residential space and lounges. The main level will be dedicated to academic and student life services, and the field-level of the building will contain new varsity athletics locker rooms for men's and women's teams, as well as sports medicine and team equipment rooms. The Prince Athletic Complex, named for University Trustee Brian Prince '86, includes Fauver Stadium, North Field, Lyman Outdoor Tennis Center, and Towers Field.

Ayers Saint Gross, Architects and Planners—who designed O'Brien Hall, which opened in 2012—created the project concept. The Pike Company, in association with SWBR Architects, will handle design and construction.

ONE-STOP LIVING: A new residence hall will bring academics, athletics, and student life in a building beside the athletic complex.

BRANDON VICK (TEACHERS); SWBR ARCHITECTS (RESIDENCE HALL)

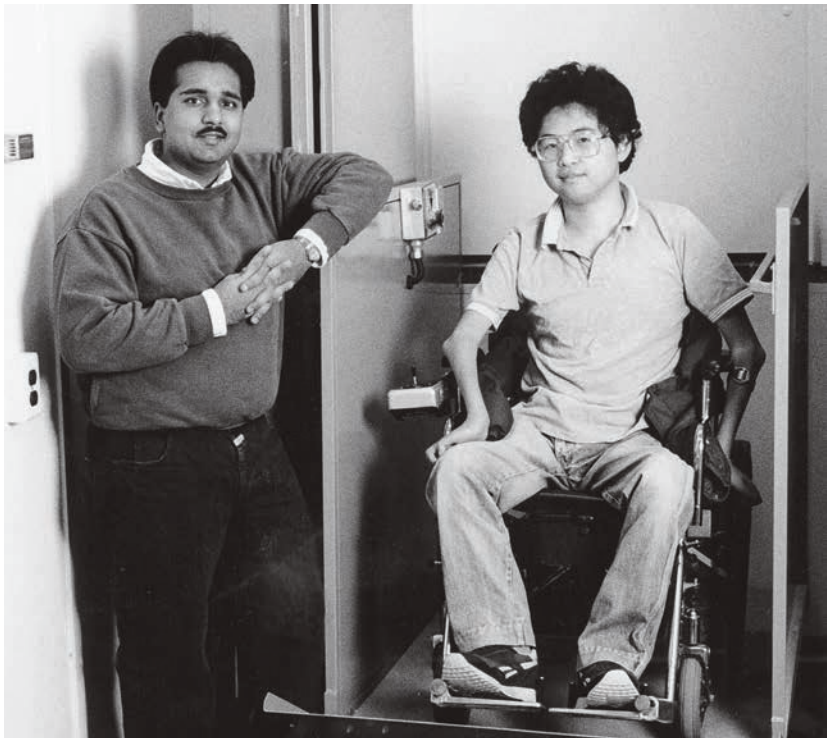
LASTING MARK: A marble marker is all that remains of the Class of 1858 gift for the Prince Street Campus.

Ask the Archivist: Stumped by the Class of '68?

Questions for Melissa Mead, the John M. and Barbara Keil University Archivist and Rochester Collections Librarian.

When I graduated in 1968, it was customary that each class would leave a gift to the University. Usually it was a bench, a piece of art, a specimen tree, or the like. I don't know if the tradition continues. I have a question that might stump the archivist. What gift did the Class of '68 give?—Jared Abrams '68, Merrick, New York

As class sizes have grown and interests have diverged, choosing a gift has become more complex: it is now customary for each new graduate to choose how and where to give, and for the class to compete as a group for a participation level "ever better" than the previous year.



UPLIFTING GIFT: Rajnish Garg '88, '91S (MBA) and David Wang '85, '92 (PhD) show the Class of 1988 wheelchair lift in action.

As a tradition, the class gift dates back to the first decade of the University. It was part of a varying set of Class Day rituals that included orations, poetry, singing, planting ivy, the reading (and burning) of class wills, and a celebratory dinner.

The Class of 1858 attended the University downtown in the United States Hotel, but as alumnus Lemuel Moss recalled on the occasion of the 1900 Semi-Centennial: "Now, as were to be baccalaureated and set free, the trustees came into possession of this fine campus out on the edge of the city. It was barren enough . . . so we, of the class of 1858, determined to plant the first class tree."

Moss described the ceremony surrounding the "little English Elm" on the Prince Street Campus, and the Class of 1858's reunion in 1883: "We gathered under our tree. How it had grown in a quarter of a century . . . did it not symbolize somewhat the class that assembled under its ample shade that day, modestly bearing as they did the burdens, the responsibilities, the honors of mature life?" He concluded: "Of every son of Rochester may it be said: 'He shall be like a tree planted.'"

The gift was not always limited to a tree, and the "daughters" of Rochester also contributed generously. According to a newspaper account, Frances Ruliffson Tennent, president of the women's Class of 1912, "explained the choice of a settee as a foresight of the needs of the girls when the anticipated women's building is realized." (The women's building would be dedicated as Catharine Strong Hall when it opened in 1914.)

The men's Class of 1912 fixed upon the gift of a drinking fountain for the library in Sibley Hall. In accepting the gift, President Rhees noted, "You are to be congratulated in thus promising to be a constant fountain of refreshment to those that follow." That source of refreshment was permanently paused when Sibley Hall was razed in 1968; however, the settee is still in use in Rush Rhees Library, and was refurbished in 2000 through a gift from former Dean of Students Mary-Beth Cooper '00S (MBA) in recognition of her Simon School MBA classmates.

Other notable class gifts have included an electric scoreboard in the Palestra (given jointly by the men and women of the Class of 1953); a sculpture by Arch Miller, professor emeritus of art and art history (Class of 1962); a wheelchair lift in Wilson Commons (Class of 1988); and a set of benches to commemorate the alumni lost in the terrorist attacks of September 11, 2001 (Class of 2002).

What is believed to be the last joint gift is a group of clocks on the wall of Hirst Lounge set to the current times of six major cities around the world. Chosen by the Class of 2007 in response to the demise of the standing clock in Wilson Commons, it aptly complements the display of international flags.

Many of the class trees planted long ago have been "stumped," and now the archivist is as well: will a member of the Class of '68 make a "gift" of the information?

Need History?

Do you have a question about University history? Email it to rochrev@rochester.edu. Please put "Ask the Archivist" in the subject line.

ADAM FENSTER (MARKER); UNIVERSITY LIBRARIES/DEPARTMENT OF RARE BOOKS, SPECIAL COLLECTIONS, AND PRESERVATION (LIFT)

CONFETTI CANNON: Students assembled for the Arts, Sciences & Engineering commencement ceremony on the Eastman Quadrangle celebrated with confetti, bubbles, and more as their degrees were conferred.

COMMENCEMENT

Starting Out

Graduates celebrated with friends and families during commencement at schools throughout the University in May. More than 3,000 students had their degrees conferred during the ceremonies. The 166th commencement season at Rochester ended with the Simon Business School's ceremony in June.

Award-winning theater and festival producer Erica Fee '99 spoke at the Arts, Sciences & Engineering ceremony, where she told graduates, "You have something very good going for you right now, and it's that you don't know everything. And that is a beautiful thing, because you can take risks, you can take chances, you can throw it all on the line now."

For video and more photos, visit Rochester.edu/commencement/2016.

PARTING WORDS: Theater and festival producer Erica Fee '99, founder of Rochester's Fringe Festival, delivered the commencement address for Arts, Sciences & Engineering.

KEITH WALTERS (CELEBRATION); ADAM FENSTER (FEE)

AWARDS

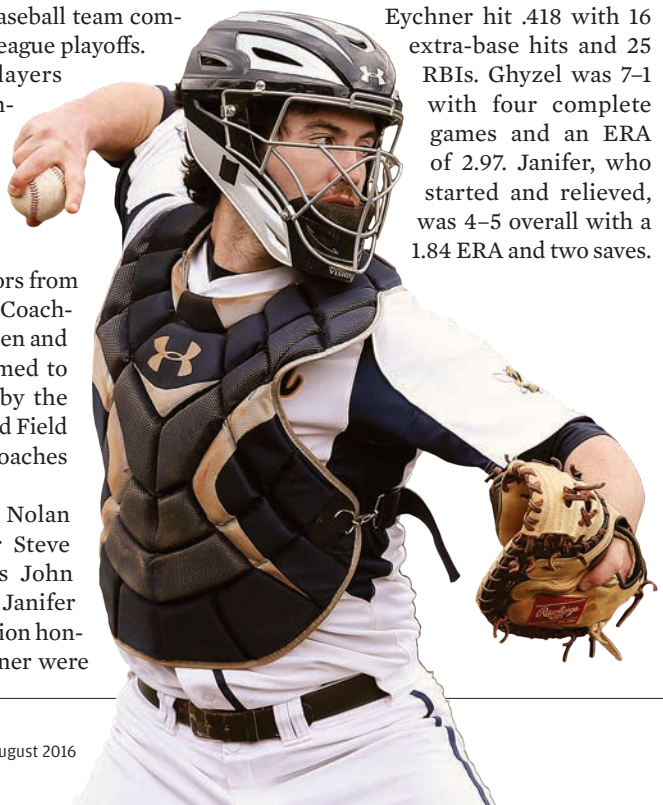
Racing to the Finish for Late-Spring Sports

By Dennis O'Donnell

Postseason accolades and accomplishments were plentiful for Rochester's spring sports teams. Three sports were represented in NCAA championship competition: softball and men's and women's outdoor track and field. The baseball team competed in the Liberty League playoffs.

Four baseball players earned all-region honors from both the American Baseball Coaches Association and D3baseball.com. One softball player earned all-region honors from the National Fastpitch Coaches Association. Four men and four women were named to the all-region teams by the United States Track and Field and Cross Country Coaches Association.

Baseball: Catcher Nolan Schultz '16, infielder Steve Eychner '16, pitchers John Ghyzel '18 and Evan Janifer '16 each earned all-region honors. Schultz and Eychner were named first team all-region by D3baseball.com. Ghyzel was named to the third team. For the ABCA/Rawlings all-region team, Schultz and Eychner were named to the first team, Ghyzel to the second, and Janifer to the third. Schultz hit .386 with 16 extra-base hits and 26 RBIs. Eychner hit .418 with 16 extra-base hits and 25 RBIs. Ghyzel was 7–1 with four complete games and an ERA of 2.97. Janifer, who started and relieved, was 4–5 overall with a 1.84 ERA and two saves. The Yellowjackets finished 22–19, 15–9 in the Liberty League.



Softball: Shortstop Kayla Kibling '16 earned first team all-region honors from the NFCA after hitting .426 in 36 games. She scored a team-high 28 runs and was tied for fourth in RBIs with 17. Rochester won the Liberty League postseason tournament (Kibling was the MVP). Eleni Wechsler '17 was 14–16 overall with a 2.28 ERA. She threw two no-hitters, one against RIT in the Liberty League playoffs and one against Penn State–Behrend in the NCAA playoffs at St. John Fisher. Rochester finished 27–23 overall (10–2 in the Liberty League).

Women's outdoor track and field: Yvette Igbokwe '15, '16 (T5) and Cameron Edwards '16 earned all-region honors from the USTFCCCA in two events. Emily VanDenbergh '16 and Kylee Bartlett '19 were honored for one event. Igbokwe was honored in the 100 meters (she was third at the ECAC championships) and the 200 meters (she won the New

SPRING ATHLETES: Yvette Igbokwe '15, '16 (T5) (top) earned all-region honors in track and field, as did catcher Nolan Schultz '16 (left), for baseball.

York state championship). She ran at the NCAA championships in the 100 and finished 16th. Edwards was honored in both the 100-meter hurdles and the 400-meter hurdles. She won the state crown in the 400 hurdles and competed at NCAAs for the fourth consecutive season (finishing 14th). VanDenbergh was honored in the triple jump. Later in the spring, she broke the school record in the long jump. Bartlett, who was an all-region honoree in the pentathlon indoors finished third at ECACs in the heptathlon to pick up the all-region honor. Rochester's third NCAA competitor was Katie Knox '16 in the 3,000-meter steeplechase. She broke the existing Rochester record twice during the spring. She was 16th at the NCAA meet.

Men's outdoor track and field: Patrick Rice '16, Boubacar Diallo '16, Jeff Hrebenach '16, and Jon Kuberka '16 all picked up all-region honors from the U.S. Track and Field and Cross Country Coaches Association. Rice completed at the NCAA championships in the decathlon and finished ninth overall. He won the New York state championship in the decathlon. Diallo earned his recognition in the triple jump, the second time this year he accomplished the feat (he was honored indoors in early spring). Hrebenach, who owns four school records (100, 200, 4-by-100-meter outdoors; 4-by-200-meter indoors), was honored for his performance in the state's 200-meter race when he set a Rochester record. Kuberka scored in three events (long jump, triple jump, and high jump) at the New York state meet. His long jump of just under 23 feet earned the all-region citation.

AT BAT: Kayla Kibling '16 received all-region honors in softball. She was named MVP in postseason play.

ACADEMIC ALL-AMERICAN

Going the Distance

Middle-distance track events are the forte of Jeremy Hassett '16. In June, capping his undergraduate track experience, he was named to the CoSIDA Academic All-American men's cross country and track and field team by the College Sports Information Directors of America. Hassett is Rochester's 96th Academic All-American, and the 16th men's cross-country and track and field Yellowjacket to earn the recognition.

FALL SPORTS

Fall Schedules Bring Challenges

Rochester's seven traditional fall sports teams—men's and women's cross country, field hockey, football, men's and women's soccer, and women's volleyball—will face some of their most challenging schedules when the new athletic season begins.

The season launches September 1, when Ithaca field hockey plays at Rochester. Men's and women's soccer host the annual Flower City Soccer Tournaments that weekend, too.

The field hockey team will face three nationally ranked opponents and one just outside the top 20 through mid-October.

Men's and women's soccer will face many teams—five for the men and seven for the women—who made the NCAA playoffs last year.

Football begins its season, featuring four home games, with a September 10 opener against Catholic. Rochester cross country has its annual UR Invitational on September 17. And women's volleyball gets under way on September 2 against Cortland, kicking off a season filled with nationally ranked opponents, including Emory, Washington, and Chicago.

—DENNIS O'DONNELL