IN THIS ISSUE

- CLEARY REPORT OUTLINES CRIME REPORTS
- FOUNDATION PROFESSORS NAMED
- IT’S ON US’ WEEK BEGINS OCT. 14
- NEW EMPLOYEE DEVELOPMENT COURSES

GUIDE AIDS STUDENTS, EMPLOYEES IN DISTRESS

Behavioral team creates resource for faculty, staff

INSIDE MSU STAFF // PUBLIC SAFETY

The MSU Behavioral Threat Assessment Team, created to respond to reports of campus community members engaging in potentially harmful behavior to themselves or others, has released a new resource guide for faculty and staff.

The guide, known as the Green Folder, will help faculty and staff in recognizing and supporting students and employees of concern.

“Individuals may feel alone, isolated and hopeless when faced with academic and life changes,” said MSU Police Chief Kelly Roudebush. “These feelings can easily disrupt academic work and performance or overall function, which may lead to troubling behavior with serious consequences.”

The Green Folder will help faculty and staff identify a person in distress and the resources available to assist the person in need. Recommended resources may include notifying the Behavioral Threat Assessment Team, contacting the Employee Assistance Program or Student Affairs and Services or providing some other helpful resource.

The guide also addresses students and those who are caring for protecting the privacy of community members and lists on-campus and community resources.

MSU’s BTAT is made of members of the campus community, including MSU Police, the University Physician, Student Affairs and Services and Human Resources, among others. It meets to assess the likelihood of risk and identify actions that can be taken to mitigate the risk.

The team also works to help faculty, staff and administrators effectively interact with identified individuals, establish clear behavioral expectations and describe the potential consequences for failure to meet those expectations within established university policies.

UDPA RETURNING TO ENGINEERING FACULTY

Executive VP served as acting president for seven months

INSIDE MSU STAFF // ADMINISTRATION

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Those positions will report to Stanley on an interim basis in the coming months as he determines the optimal organizational structure for MSU. Stanley noted that most of those positions were held by him when he first arrived as president at Stony Brook University, and he is comfortable with the oversight of those critical areas.

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**NEWS BRIEFS**

**NEW WATER TREATMENT PLANT MAY IMPACT RESEARCHERS**

LIVING CAMPUS WATER

MSU’s new water treatment facility and water tower are expected to begin supplying water to north campus as early as December. The facility will remove iron and manganese to improve the water’s aesthetics and the general water chemistry will not change significantly. However, IPR strongly encourages faculty and staff who use campus water for research projects to consider how these changes may affect their work. For example, research that requires very high-quality water already should have polishing systems to remove unwanted materials from the water. Removing some of the minerals at the plant should make the polishing systems work better but will probably not eliminate the need for them. For questions about the upcoming water system changes, visit go.msu.edu/6GEP.

**MANIFEST PODCAST FEATURES NEW GUESTS**

The MSU Office of Research and Innovation’s Manifest podcast series, which aims to take a hand at today’s intellectual issues and controversies from varying points of view, has several new episodes posted this semester. Campus sexual assault advisor Rebecca Campbell discusses identifying serial perpetrators, sexual assault investigations and untangled rape kits, while psychology professor Joe Cesario talks about identifying who sexual assault victims are, as well as people who have experienced sexual harassment and sexual exploitation.

Clients and campus partners have commented about the program’s name and access for those who don’t classify their experience as sexual assault for years, Fedews said. Reflecting inclusivity was a top priority when a name change was considered. The program used social media to reach survivors, directly through a survey for their opinions and ideas for a new name. “We want survivors to know that our space is for them,” she said. “We want survivors to find community where they belong and where they are valued.”

The program has provided free, confidential individual and group therapy to student survivors of sexual violence since 1980. It also offers personal, academic, institutional and criminal justice advocacy services to student and nonstudent survivors of sexual assault. For more information about the center, please visit centerforsurvivors.msu.edu.

**DEAN OF UNIVERSITY LIBRARIES NAMED**

Joseph Salem was named dean of University Libraries by the MSU Board of Trustees. Salem joined the MSU Libraries as director and university librarian in August 2018. He is responsible for overseeing services, collections, facilities, budgets, personnel, fundraising, and technology at the Libraries. He has led an effort to add all of these areas in a new and comprehensive strategic plan initiated after his arrival at MSU and set for completion later this fall. In his previous position, Salem served as the associate dean for learning, undergraduates services and commonwealth campus libraries at Penn State.

**MSU TOLLGATE FARM AND EDUCATION CENTER IN NOVI GETS NEW DIRECTOR**

MSU Extension has named Mike Mathis the director of MSU’s Tollgate Farm and Education Center in Novi, the site where he will lead a diverse set of educational programming initiatives and provide overall management of the site. The center, which welcomes more than 25,000 people every year to experience hands-on agricultural and outdoor education, is located in Novi. It offers programming catering to preschoolers, summer camps for youth and major family-friendly events including Pumpkinfest. Mathis will continue to lead educational initiatives while raising awareness of its diverse programming to residents in the Novi area.

**CHEM PROF WINS NATIONAL AWARD**

**VAL OSOWSKI **

@ACADEMICS

Miton (Mitch) Smith III, professor of chemistry, has received the 2020 American Chemical Society Award in Organometallic Chemistry, which is given to one individual each year.

The award, established by the Dow Chemical Company Foundation in 1985, recognizes a recent advancement that has had a major impact on research in organometallic chemistry.

“It is humbling to join the ranks of previous winners of this award, which is considered to be the highest recognition in the field of organometallic chemistry,” Smith said. “None of this would have been possible without the students and postdocs I’ve been privileged to work with and the support of staff and faculty in the chemistry department, the College of Natural Science and MSU — along with the eminent scholars who nominated me and Dow, who sponsors this award.”

Rob Maleczka, professor and chair of the Department of Chemistry in the MSU College of Natural Science, was thrilled to hear of the announcement about Smith’s selection for the award.

“In being honored with this award, Mitch joins a distinguished group of organometallic chemists that includes Nobel laureates and National Academy of Sciences members,” Maleczka said. “Smart people working in areas ranging from drug discovery to sustainability have long recognized the brilliance and importance of his pioneering work. With the announcement of this award, all Spartans can celebrate the prestige Mitch brings to MSU.”

Smith will formally receive his award March 24, 2020, during the ACS Spring National Meeting in Phila- delphia.

The honor consists of $5,000, a certificate and up to $1,000 for travel expenses to the meeting.

**Sexual Assault Program’s New Name More Inclusive**

**CHRISS CHAPMAN**

@CIVIL RIGHTS

MSU’s Sexual Assault Program received a new name: The Center for Survivors. The original name “does not accurately describe the scope of our services,” Director Tara Fedewa explained. “We work with survivors of adult sexual assault and all adult survivors of child sexual abuse, as well as people who have experienced sexual harassment and sexual exploitation.”

Clients and campus partners have commented about the program’s name and access for those who don’t classify their experience as sexual assault for years, Fedews said. Reflecting inclusivity was a top priority when a name change was considered. The program used social media to reach survivors, directly through a survey for their opinions and ideas for a new name. “We want survivors to know that our space is for them,” she said. “We want survivors to find community where they belong and where they are valued.”

The program has provided free, confidential individual and group therapy to student survivors of sexual violence since 1980. It also offers personal, academic, institutional and criminal justice advocacy services to student and nonstudent survivors of sexual assault. For more information about the center, please visit centerforsurvivors.msu.edu.

**Sexual Assault Program highlights ‘It’s On Us’ Week**

Three-time Emmy-nominated actress and prominent equal rights advocate Laverne Cox will give the keynote address on Oct. 14 for this year’s semi-annual It’s On Us week at MSU. Tickets for this event are scheduled to go on sale Friday, Oct. 4, and will be free and open to all MSU students, staff, and faculty. MSU’s It’s On Us mirrors the national initiative’s charge to stand up for and with survivors of sexual assault and take accountability and action to end sexual violence.

Cox’s speech, titled “Ain’t I a Woman: My Journey to Womanhood,” will explore how the intersections of race, class and gender uniquely affect the lives of trans women of color. Additional events during the week of actions include:

• Kickoff Event, 10 a.m. – 2 p.m., Oct. 14, at the field in front of Wells Hall

• The Art of Surviving, 7 p.m., close, Oct. 14, at the Blue Owl, East Lansing

• Music and Healing, 5 – 7 p.m., Oct. 17, at the MSU Museum

• Teal Out: Wear teal in support of survivors on Oct. 18.

For more information and a full schedule, visit dozoobio.com/ItsonUS/MSU
Heroes to Hives, a MSU Extension program, is helping Michigan’s veterans heal through beekeeping. With six sites across the state, the program trains veterans to become the next generation of beekeepers. Their new skills help them serve the community in a new way by protecting honeybee populations and promoting food security. Heroes to Hives is the largest program of its kind in the country, with nearly 300 veterans and their dependents participating.

Adam Ingrao, a fourth-generation Army veteran and MSU Extension agricultural entomologist, founded the program in 2015. Through hands-on instruction, mentorship and support, veterans can work through the mental health effects of combat, as well as the challenges of transitioning from military to civilian life. Equipped with a firm foundation in beekeeping and a long-term personal and professional support network, graduates of Heroes to Hives look forward to opportunities for small business ownership, employment in commercial beekeeping operations and a means to diversify farm income.

“We started Heroes to Hives to help veterans find a safe space where they could talk frankly about experiences in the military while learning to protect and profit from the most important pollinator we have,” said Ingrao. Michigan is home to about 640,000 veterans who are facing a multitude of challenges as they transition from military to civilian life. These challenges include anxiety, depression, dealing with service-related health issues and disabilities and finding career opportunities that are personally rewarding. These challenges are exacerbated by the loss of the camaraderie and support that is inherent in military units and often results in a sense of isolation and loss in the lives of many transitioning vets.

“When you work with bees, you have to move very slowly and methodically,” he explained. “That can be a great benefit to former soldiers suffering from post-traumatic stress or who have been injured. Teaching people how to meditate, for example, not only keeps them from getting stung, but it allows them to clear their mind and focus.”

Honey bees provide pollination services to 35% of agricultural crops grown, a service worth almost $20 billion in the U.S. each year. In the last decade, beekeepers have reported losses at unprecedented rates, with beekeepers losing 30-40% of their colonies each year. Beekeepers face more challenges than ever before, with pests, pathogens, poor nutrition and pesticides making beekeeping more difficult and expensive.

Applications for the 2020 Heroes to Hives program will be available in November 2019.

ON THE WEB
To learn more about the Heroes to Hives program and watch the video, visit go.msu.edu/ZjP.

Other MSU veterans resources can be found at go.msu.edu/XjP.

McCabe Morgan

ON THE WEB
For more information on the four new MSU Foundation Professors, visit go.msu.edu/GP.

Amirpoury (A. Pouzay) Nejadhashemi is a professor in the Department of Biosystems and Agricultural Engineering and the Department of Plant, Soil and Microbial Sciences. A leading expert in water resources modeling, he examines water and its distribution, movement and quality in a variety of environments. Nejadhashemi has been the principal or co-principal investigator on grants totaling more than $30 million.

Terrie Taylor, University Distinguished Professor of Tropical Medicine in the College of Osteopathic Medicine, is an internationally recognized scientist and physician who has waged a 33-year battle against malaria. Her research published in the New England Journal of Medicine, determined swelling of the brain and pressure on the respiratory center as the cause of death in pediatric patients. This discovery is leading the development of interventional therapies and expanded use of ventilators.

OCT. 8 // WORKLIFE CONFERENCE: Attend this year’s WorkLife Conference to learn more about strengthening community together. The conference will be held from 8 a.m. to 1 p.m. in the MSU Union Ballroom. Cost to attend is $20 and includes lunch. Learn more and register at go.msu.edu/NIP.

OCT. 9-9 // MSU BENEFITS FAIR: Benefits vendor representatives and MSU HR staff will be available to answer questions and to help employees enroll in benefits on-site. The fair will be held from noon to 7 p.m. on Oct. 8 and from 7 a.m. to 5 p.m. on Oct. 9 at the Breslin Center. Enter through the Gilbert Pavilion/Hall of History. Learn more at go.msu.edu/FIP.

OCT. 11 // LET’S TALK FOOD FRIDAY: Faculty, researchers, students and stakeholders are invited to join Food@MSU from noon to 1:30 p.m. in the Erickson Kiva for Our Table conversation on the ins and outs of precision agriculture and its impact on farming and food quality. Learn more at go.msu.edu/NIP.

OCT. 15 // MANAGING MEETINGS: Attend this HR program to better plan, lead and follow through on meetings and enhance team productivity, coordination and cohesion. The seminar will be held from 8:30 a.m. to noon in Nessel Building, Suite 10. The cost to attend is $175. Learn more at go.msu.edu/PjP.

OCT. 15 // WONDER WOMAN COLLEGE RUN 5K: Put on your cape and join your fellow superheros when you run or walk in the Wonder Woman 5K. The fun will take place from 1 to 5 p.m. starting at Conrad Hall and all proceeds benefit women’s support services at MSU. Registration for students and employees is $30. Learn more at go.msu.edu/PjP.

OCT. 15 // NEW FACULTY AND STAFF OF COLOR OR RECEPTION: Join the Coalition of Racial and Ethnic Minorities to network with new and returning MSU employees. Hors d’oeuvre will be served from 5 to 6:30 p.m. at Kelley Center Dining Center, Big Ten A. This is a free event, but registration is required. Learn more at go.msu.edu/PjP.

OCT. 17-18 // COMMUNITY ENGAGED SCHOLARSHIP WRITING RETREAT: This academic writing retreat provides time and space away from campus for faculty, academic staff and graduate students to write about their community-engaged scholarship. The retreat will be held at Pierce Creek Lake Center in Hastings, MI. Cost to attend is $260. Learn more at go.msuc.edu/RjP.

OCT. 18 // MANAGING STRESS AT WORK: Learn tools and strategies for identifying stressors, prioritizing responsibilities and managing stress. This free seminar will be held from 9 to 10 a.m. in Linton Hall, Room 113. Learn more at go.msu.edu/VjP.

OCT. 24 // COMMUNICATION STRATEGIES FOR SUPERVISORS: In this session from MSU HR, leaders will learn how to choose the right communication tools and deal with difficult situations the workshop will be held in MSU Union Building, Suite 10. The cost to attend is $175. Learn more and register at go.msu.edu/VjP.
**NEW NEXTGEN LAB EXPLORES FUTURE OF TELEVISION TECH**

**MELISSA PRIEBE //ACADEMICS**

WKAR Public Media, MSU and the College of Commu- nication Arts and Sciences recently opened the Next- Gen Media Innovation Lab, which will explore applica- tions of the newest television broadcasting standard, ATSC 3.0 technology, or NextGen TV.

“This innovative space serves as a collaborative hub where students, faculty and researchers will explore the future of television and other applications enabled by the emerging ATSC 3.0 digital standard,” said Susi Elkins, director of broad- casting and general manag- er of WKAR Public Media.

During the opening cere- mony, President Samuel Stanley Jr., M.D., helped cut the ribbon for the NextGen Media Innovation Lab. The event was preceded by demonstrations on NextGen TV and emerging technolo- gy and followed by a tour of Spartan-Mobility Village.

“WKAR has a long history of innovation in program- ming,” Stanley said. “This NextGen Media Innovation Lab is a true 21st-century manifestation of the land- grant tradition at MSU.”

In 2018, the WKAR was the first U.S. public broadcasting sta- tion to be granted an exper- imental license to broadcast in ATSC 3.0 technology. To develop the new technology, the NextGen Media Innovation Lab was constructed in- side WKAR studios at MSU’s College of Communication Arts and Sciences. Combining the capabilities of broadcast technology and high-speed internet, NextGen TV offers broad- casters a way to distribute highly customized, accessi- ble and interactive content over the airwaves. The tech- nology allows audiovisual broadcasts to be custom- ized by geographic location and displayed with multiple screens, providing televi- sion, mobile applications and targeted messaging to customers simultaneously on one device.

With the help of researchers and developers, NextGen TV holds the potential to deliver innovations in a wide range of services, including education, automotive technol- ogy, advanced emergen- cy alert systems, telemedi- cine and marketing. Because data can be deliv- ered alongside traditional TV content via a free, over-the- air signal, the technology can also reach underserved populations and people who live in rural areas.

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**CHARTING NEW COURSE FOR ALGEBRA**

**SARAH ZWICKLE // RESEARCH**

More than 2,500 freshmen interested in a STEM career have a new route to success, thanks to a team spear- headed by math instructor Jane Zimmerman and Far- Gerhardt, associate profes- sor of mathematics.

In the past, students with lower scores on their math placement test embarked on a non-credit-bearing pathway prior to enrolling in MTH103, or college algebra. Zimmerman and Gerhardt helped lead the effort to replace that course with a credit-bearing one they be- lieve will result in increased student participation.

Alongside the same- ter-long MTH103, Zimm- erman and Gerhardt created a new, two-semester course, MTH103A and 103B, to pro- vide more time for students to master college algebra.

Zimmerman was already piloting new ways to teach college algebra in the Dow STEM Scholars Program, an initiative funded by MSU and the Herbert H. and Grace A. Dow Foundation, to increase the number of students who graduate with degrees in STEM disciplines.

Last fall, the team conduct- ed a full-scale pilot with 600 students.

“Overall pass rates and exam scores show significant im- provement,” said Sue Allen, the course supervisor for incoming freshmen.

Gerhardt helped fine-tune the class.

“We used a ‘backwards design’ approach, starting with concrete objectives and aligning the materials to match,” she said. “No text- book aligned with the objectives we developed, so we merged materials from an open-source college algebra textbook with ma- terials we created ourselves specifically tailored to each learning objective.”

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**WHY CARBON TAXES ARE SO HARD TO PASS**

In a new paper published in July by the National Bureau of Economic Research, or NBER, three researchers attempt to answer the carbon tax question. And they have drawn some important lessons for those interested in the political viable- ness of carbon pricing. The authors, economists Soren Anderson at Michigan State University, Ioana Marinescu at the University of Pennsylvania and NBER and political scientist Boris Shor at the University of Houston, found that political ideolo- gy is the biggest driver of attitudes toward a carbon tax. Resistance to personally paying more taxes matters too, but not as much.

**FORBES**

go.msu.edu/4GP

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**TWO GENES CONSPIRE IN ENDOMETRIOSIS AND CANCER TO HELP CELLS MIGRATE**

It’s been known for years that the two genes ARID1A and PIK3CA are associated with the diseases, but un- til now, it was unclear how. Endometriosis — a painful condition caused by endometrial tissue growing on organs outside of the uterus — and endometrial cancers are “intimately linked,” says Ronald Chandler, a reproductive biologist at Michigan State University and the senior author of the study. In both cases, endo- metrial cells migrate away from their usual position lining the uterine epithelium.

**THE SCIENTIST**

go.msu.edu/4GP

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**STUDY: MICHIGAN HAS MORE SAND DUNES THAN PREVIOUSLY KNOWN**

Researchers say Michigan may have more than twice as many sand dune acres as previously known. Alan Arbogast of Michigan State University recently over-estimated the number of sand dune acres because of what he calls the most detailed and comprehensive map of the state’s dunes, which total 230,000 acres.

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**$1.2M GRANT PUTS HEALTH IN HANDS OF COMMUNITY**

**NICOLE GEARY // RESEARCH**

What controls your health? It’s a complicated ques- tion, but middle school- ers in Genesee County are able to answer that question, and more, with the Health In Our Hands project.

Now, they will be able to increase even more change in their community.

The project is continu- ing thanks to a five-year, $1.2 million grant from the National Institutes of Health.

The Health In Our Hands Partnership Award.

The grant funds an open house- and science fair-type events.

In 1992.

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