

Alumni use photography to explore women in scriptures

Page 3

Plans revealed to renovate Utah's oldest temple

Page 4

Ski resorts stay open with increase in snowfall

Page 6

# THE UNIVERSE

Serving the Brigham Young University Community

## BYU's concrete canoe once again floats on to national competition

By JOSEPH CARSON

BYU has been chosen to compete in the American Society of Civil Engineers' National Concrete Canoe Competition for the second year in a row.

They thought it was all over. After coming in second place to the Colorado School of Mines and their canoe, The Kraken, in the Rocky Mountain Conference of the ASCE National Concrete Canoe Competition, the Cougars thought they had lost their chances at competing in nationals. Team captain Rob Anderson said although he felt disappointed coming in second, "I think there's value in knowing you put everything you had into it."

The Concrete Canoe competition is exactly what it sounds like: engineering students from around the world compete to see who can make the fastest, floatiest and prettiest chunk of concrete. Points are awarded based on a paper written about the canoe, an oral presentation, a visual display of the canoe and the canoe's performance in a race. Competitions are first held regionally. Regional winners move on to the national competition.

Each year, teams that didn't win their regional competition but cleared a certain bar of requirements can choose to submit their university's name into a pool. Five of those are chosen at random to compete in the national competition held this year from June 6-8 in Melbourne, Florida.

BYU won the luck of the draw last year. They were chosen this year, too. Anderson said when the team found out, "We all just kind of lost it. It was crazy."

Anderson, a 26-year-old civil engineering student from Oakland, California, said since receiving the news, his team has switched gears.

"Now we need to focus on what we need to do at nationals," he said.

Students in BYU's engineering program have been working on their canoe



Courtesy Brett Borup

BYU engineering students stand behind their concrete canoe, Inviscid, that they took to the National Concrete Canoe Competition this year.

and training for the competitions for almost a year. "It's a whirlwind," Anderson said. "It's dog-eat-dog out there. Every team has fantastic canoes."

Being qualified to enter the drawing is no small feat. Teams must have a high enough score on their report, return a form stating their desire to compete at nationals and finish in the top half of their student conference competition. Only 29 schools qualified to enter the final drawing of the over 370 student chapters involved in Concrete Canoe.

BYU has made the grade two years in a row now, which Beth Wiley, senior manager of student programs at the American Society of Civil Engineers, said is "pretty cool."

BYU engineering students have been agonizing over their boat since last September. Getting a 300-pound slab of concrete to float isn't as easy as it sounds, and team co-captain Melissa Adams Cowley, a 22-year-old from Vacaville, California, knows just how much effort it takes.

"It's a lot of fun, just straining sometimes on academics and life," Cowley said. "We become like a family by the end of it."

The first step is the special concrete mix, which replaces the gravel normally found in concrete with shale and a special kind of lightweight glass bead. Students set the mix into a canoe shape, which needs to cure for 28 days. Cowley and her team cured their canoe by steaming the concrete boat in a makeshift sauna in the basement of the Clyde Building.

The team spends five hours a day on the finishing process, sanding, painting, patching, and sealing once the canoe is cured. Some of the civil engineering students even had to "try out" for the chance to be a paddler this year. The ones who made the cut have been conditioning and attending regular paddling practices.

BYU scored first place in two of the four categories and second place overall when they competed in the Rocky

Mountain Conference regional competition back in April. Cowley said one of the reasons why BYU did so well in regionals this year is because they were able to attend nationals last year and learn from the best teams in the country.

BYU has to make some adjustments before the national competition on June 6. Parts of their paper need to be rewritten, and their presentation needs to be adjusted. They'll also have to find a replacement for Anderson, who isn't able to attend the competition in June.

"Our goal was to get our team back to nationals," Anderson said. "It's such a different level of competition." He said it's also a great opportunity for new members of the Concrete Canoe team to learn from other universities.

The American Society of Civil Engineers also awarded BYU the 2019 Robert Ridgway Award, an award given to the most outstanding student chapter. The award has been in place since 1965, and BYU has won eight times.

## Insights on company culture, job seeking

By ERICA WEST

BYU seniors joined hundreds of thousands of other newly-minted graduates as they moved into the job market after graduation in April. Some may have looked at the dynamics of potential employers, including how companies' size and type impact their culture.

Whether a business is modern or more traditional, it may not be safe to assume every tech company is informal and every corporation values formality.

Dr. Candilyn Newell is a life sciences career director at BYU who also teaches etiquette — a subject that if practiced well, she says can greatly enhance a new graduate's career opportunities. She used to advise students against sending paper thank-you notes to tech companies after an interview because such companies typically have a more informal, digital-focused culture. However, she said one larger local tech company recently told her that they actually do appreciate the consideration of hard-copy thank-you letters.

Though a company may appear to have a more informal culture, good manners are always appreciated when job seeking. Several students over the last four semesters have told Newell their thank-you notes helped them get another interview or job offer.

"A thank-you note expresses time management and use of language, not just gratitude," Newell said.

It's likely a good idea to approach the hiring process with more formality, regardless of the situation, but the hiring process itself will offer insights into a company's culture.

The way people interact with each other and how smoothly the process runs can give insight into whether or not a company would be a good fit for potential employees and their specific expectations.

Many differences in this process correlate with different types of companies: whether a company is growing and new, large and traditional or any combination of these factors. For example, larger or more established companies often have more red tape than smaller companies do. Fingerprints, background checks and references are common requirements when interviewing with larger corporations.

At a smaller company, the hiring process is often quicker, sometimes comprising only a few interviews for an internship or entry-level position. A potential employee will oftentimes interview with upper management or executives rather than human resources or a recruiter. New companies don't always have a recruiter, and the executives preside over a small, curated team.

Touring the office when interviewing for a job can help reveal details about the company's culture. For example, if a company has an open office, that can show they value collaboration and teamwork. If a company has tall cubicle walls it can mean they are more traditional, and people are more likely to work independently.

Computer engineering student Amanda Fails interned at two companies with very different work situations. One of the companies had tall cubicle walls, so it was difficult to collaborate and interact with others.

"The cubicle walls were so high that you kind of felt boxed in and didn't see a lot of people. Everyone was just in their own space working," Fails said.

The other company put their entire research and development team into one large room with no cubicle walls or dividers. She said it was easier to get to know people and work with others although it was also easier to get distracted.

See NOTE on Page 2

## Campus prepares for EFY takeover



Maddi Dayton

EFY participants walk across the BYU campus in 2015. BYU hosts over 15,000 youth attendees every summer.

By JENNA ALTON

It's that time of year again: the quiet, relatively empty BYU campus will soon be filled with thousands of high-school aged students chanting EFY cheers, lining up at Jamba Juice and walking arm-in-arm to classes.

As EFY participants pack their bags and prepare for one of the 25 Provo sessions of the week-long camp, campus departments are making preparations of their own.

Most EFY students stay in Heritage Halls and eat breakfast and dinner at the Heritage Halls cafeteria, the May-to-August cafeteria located inside the

Heritage Halls Central Building.

Mary Johnson, head chef at the Heritage Halls cafeteria and assistant manager for BYU Food-to-Go, said preparations for EFY start in January when she puts together a proposed menu.

"We try to take the feedback from the year before and always update the menu to something we think they'd be more interested in," Johnson said. "Some items I bring back; some items are brand new."

For example, the cafeteria will be serving ribs for the first time this year but will be repeating some menu items, like hamburgers, from previous years, Johnson said.

See EFY on Page 4



Addie Blacker

Brent Taylor's son unveils the plaque displaying Taylor's name in the Reflection Room on the BYU campus.

## BYU honors former North Ogden mayor

By LAUREN LETHBRIDGE

BYU added Major Brent Taylor's name to the Wilkinson Student Center's Memorial Wall in the Reflection Room on Thursday, May 23. A memorial honoring Brent Taylor's life took place on Friday.

Brent Taylor was a former North Ogden mayor and BYU Army ROTC alumnus and was killed Nov. 3, 2018, in Afghanistan.

The Memorial Wall includes names of BYU students and alumni who have "died preserving freedom," according to a BYU press release.

"Last August, when Brent was home on leave from his 4th deployment to the Middle East, he and I came back to campus and visited this very room (the Reflection Room) and gazed upon this very memorial wall," said Brent Taylor's wife,

Jennie Taylor.

The unveiling was not open to the public. The Taylor family along with Lt. Governor Spencer Cox, retired Major General Brian L. Tarbet, Major General Jefferson S. Burton, BYU Academic Vice President James Rasband and BYU Marriott School Dean Brigitte Madrian attended the event.

Jennie Taylor announced the Brent and Jennie Family Endowed Scholarship that will be awarded to an undergraduate BYU political science student each year. Jennie and her family said they want to help "future students of political science carry on Brent's legacy of sacrifice, statesmanship and service-centered leadership."

"Nearly two decades ago, Brent and I entered this campus with a determination to learn; and we have since gone forth with a lifelong commitment to serve," Jennie said.

# Utah divided in plastic bag debate

By KATELYN STILES

Consumers may not notice anything different from other Utah grocers when walking into Fresh Market in Park City. The difference is subtle but significant: there are no single-use grocery bags, only reusable options available for purchase.

The state of Utah, like much of the U.S., remains divided on the issue of plastic bags.

The state of New York recently followed California's lead and banned plastic bags statewide. Likewise, hundreds of cities and counties across the nation have created their own local bans, including Utah's own Park City and Moab.

Rep. Michael McKell, R-Spanish Fork, sponsored HB320 during this year's legislative session. The bill would have prohibited plastic bag fees and bans across the state. Though HB320 didn't pass, it created conversations throughout the state about the future of plastic bags in Utah.

Sen. Jani Iwamoto, D-Salt Lake, has sponsored several bills in recent years with exactly the opposite intent. The most recent of which, SB192 in 2018, would have charged a 10-cent fee for plastic and paper retail bags. It did not pass, but she has continued to look for solutions. "The fee) would be an incentive for consumers to reduce their use of retail bags," she said. "There are studies that show a reduction of

85-90% across the nation in places where those fees are imposed. We choose as lawmakers that littering should be fined, and this is also littering." She also said the money raised from the fee would have been given directly to Utah landfills.

Megan Adamson, a BYU student from California, said her parents have had some frustrations with the bag fees in their community, but that she ultimately thinks it has been a positive policy. Most places charge 10 cents for a bag, she said.

"I think it has helped," she said. "The new bags that you have to pay for last a long time. It would probably be a good thing in Utah. It has forced my parents to be better about reusing bags."

Adamson said there are also stores in California that will gift 10 cents of store credit for each reusable bag that customers bring themselves. However, she said there are still downfalls to the policy. "A lot of cashiers don't bag your groceries or put them into the cart for you, so you pay the same amount for groceries, but you get less of a service," Adamson said. "Also, the bags that you pay for are a thicker plastic, and would definitely take longer to deteriorate if they are thrown away."

Adamson isn't the only BYU student aware of the plastic problem. BYU's environmental club, the Earth Stewardship Club, has started a petition to encourage the Provo City Council to implement a plastic bag tax and

create more sustainable options, The Daily Universe reported in March. The petition, called "Bag Responsibly," currently has 695 signatures with a goal of 1,000. According to the petition website, its mission is, "to create a sustainable solution to this problem in Provo by encouraging the use of reusable bags and eliminating the use of single-use plastic bags."

However, research done at the University of Sydney and reported by National Public Radio backs up Adamson's previous suspicions. This research showed that bag bans may be hurting more than helping because the thicker bags that stores have available for purchase are worse for the environment, and other options are worse than the traditional plastic bags as well.

The research showed that plastic trash bag sales have skyrocketed in places where single-use grocery bags are banned because consumers would typically reuse their grocery bags to line trash cans or pick up dog waste. It also showed that reusable fabric tote bags and paper grocery bags are worse for the environment than the thin plastic because of the processing required to make them. They haven't had as much of an impact yet, but that is because there are still far greater amounts of plastic being used in comparison.

Matt Seaholm, Executive Director of the American Progressive Bag Alliance, said many



Emma Willes

A shopper holds reusable bags full of vegetables. These bags act as an alternative to plastic bags.

claims about the problems that plastic bags cause are not backed up by research. "The Environmental Protection Agency says that plastic bags make up only 0.3% of municipal solid waste in the United States, and they almost always come reused, like as a trash can liner," Seaholm said. "Nearly 80% of plastic bags are reused in some way, shape or form. That single reuse makes them the most environmentally-friendly option at the checkout counter."

McKell said his primary goal with HB320 was to create uniformity across the state. "There are two things I'm worried about: consistency in the market and the impact on business

and industry," he said. "The cost and the burden on businesses of adjusting to all these differing policies has been significant." He believes consistent policy across the state would help retailers, instead of leaving the decision up to each community.

Dave Davis, the Utah Retail Merchants Association president, agreed that a policy promoting consistency would help the Utah retail community. He said it doesn't matter to retailers whether bags are regulated or not, but they'd prefer one uniform policy statewide.

"We want consistency," Davis said. "It poses a bit of a challenge for our retailers when every community is doing their own thing

with plastic bags. If state legislators feel like they want to regulate plastic bags, we would just urge them to do it consistently across the state, so that retailers can simply comply with that one policy in all the different communities they cater to."

Earlier this year, the municipal council in Logan also had a plastic bag ban up for vote, but it was tabled for 6 months because council members wanted to conduct research to make a more informed decision, reported The Herald Journal.

Utah remains divided on this nuanced issue, and for now, the decision of whether to ban or let be will remain up to the cities and counties.

# States turn to drones to predict avalanches, spot wildlife

ASSOCIATED PRESS

In Utah, drones are hovering near avalanches to watch roaring snow. In North Carolina, they're searching for the nests of endangered birds. In Kansas, they could soon be identifying sick cows through heat signatures.

Public transportation agencies are using drones in nearly every state, according to a new survey by the American Association of State Highway and Transportation Officials. The report released Monday finds a sharp increase in their use over the last few years, showing that governments as well as hobbyists have rapidly adopted the technology.

In 2016, the nonprofit group found no state transportation agency was using drones every day. Now, 36 states have certified drone pilots on staff. When the survey was done this month, all but one state was using drones in some way. Since then, the lone holdout — Rhode Island — has bought a drone, group spokesman Tony Dorsey said.

The small, unmanned aircraft are often used for mundane tasks, like inspecting bridges and roads. With sophisticated cameras and thermal technology, they can detect tiny cracks and identify potential potholes before they're visible to the human eye.

"You've seen the cost of drones come down significantly, and the capabilities that come along with



Associated Press

Travis White, Utah Department of Transportation, Highway Incident Management Team, holds their drone at a drone demo Monday, May 20, 2019, in Park City, Utah.

some drones increase significantly as well," said the group's executive director, Jim Tymon.

Drones have raised privacy concerns, but Tymon said new technology lets them be programmed to avoid entering certain spaces.

Drones also have caused their share of headaches for

officials over the years as personal devices forced the grounding of planes at airports or those fighting wildfires.

But they can be useful for work that's dangerous for people. In Utah, drones record from the air as state workers set off planned avalanches, allowing them to watch the slides close up in real

time, said Jared Esselman, director of aeronautics at the state Department of Transportation.

Drones also can measure snow and other elements of the state's rugged terrain to keep them from blocking roads or other infrastructure.

"We can predict not only snow slides, but mudslides and water

runoff as the snow melts," Esselman said. "Drones are a perfect tool for any job that is dangerous or dirty."

When a mudslide cut off access to a city about two years ago, Idaho sent a drone up to pinpoint the best spot to use heavy machinery to clear the road, said Brian Ness, director of the Idaho

Transportation Department.

In North Carolina, drones are finding the nests of endangered species like the red-cockaded woodpecker, said Basil Yap, unmanned aerial systems program manager at the state's transportation department.

People used to fan out in helicopters or all-terrain vehicles to check for evidence of the protected birds before building new projects, but the drones can do the job quicker with less disruption, Yap said.

"There's little to no noise compared to a helicopter," he said.

They're also used to check for protected bats nesting under bridges and to spray herbicide on invasive plants near shorelines.

North Carolina is one of three states working with the Federal Aviation Administration to test drones beyond the operator's line of sight, at night and over people. The FAA does not usually allow those uses without a special waiver.

Also part of the program is Kansas, where workers are using drones to create sophisticated farming programs and monitor cattle heat signatures to prevent any illnesses from spreading.

A number of states are beginning to explore how to regulate a flood of private drone traffic expected in the future. In Ohio, the state is working on an air-traffic control system called Sky-Vision, which would allow drones to detect and avoid other aircraft in flight.

## THE UNIVERSE

Serving the Brigham Young University Community

May 28 - June 3, 2019 ■ Volume 72, Issue 36 ■ universe.byu.edu  
152 BRMB, BYU, Provo, Utah 84602

### EDITOR

Lauren Lethbridge

### ONLINE EDITOR

Colton Anderson

### OPINION EDITOR

Karina Andrew

### SENIOR REPORTERS

Jenna Alton

Aaron Fitzner

Josh Carter

### PHOTOGRAPHERS

Mary Wall

Nikki Wilson

Rilee Scoresby

Addie Blackler

### FIELD PRODUCER

Joseph Carson

### GRAPHIC DESIGNERS

Jacob Baker

Sophie Parmley

### EDITORIAL DESIGNERS

Allie Jones

Amanda Lund

### SPECIAL SECTIONS

Matthew Bennett

### PRODUCTION ASSISTANT

Jordan Sterling

### CIRCULATION

Brandon Wiscombe

Ryan Tiu

Kate Mckeller

### MARKETING

Madison Everett

Alena Black

### ADVERTISING SALES

Eric Forbush

Michael Wade

Connor Poulsen

Lexi Carley

### ACCOUNTING

Taylor Bennett

### PROFESSIONAL STAFF

#### DIRECTOR

Steve Fidel

#### BUSINESS MANAGER

Ellen Hernandez

### DESIGN MANAGER

Warren Bingham

### NEWSROOM MANAGER

Carrie Moore

### FACULTY ADVISER

Kris Boyle

The Universe is a product of The Daily Universe and is an official publication of Brigham Young University and is produced as a cooperative enterprise of students and faculty. It is published as a laboratory newspaper by the College of Fine Arts and Communications and the School of Communications under the direction of a professional management staff.

The Universe is published weekly except during vacation periods.

The opinions expressed do not necessarily reflect the views of the student body, faculty, university administration, Board of Trustees or The Church of Jesus Christ of Latter-day Saints.  
Copyright 2019 Brigham Young University.



For more news, including audio and video, visit

universe.byu.edu

@UniverseBYU

News 801-422-2957

Advertising & Circulation 801-422-7102

## NOTE

### Company culture reveals job details

Continued from Page 1

Another way job seekers can learn about a company's internal culture before accepting a job is to reach out to current employees on LinkedIn and ask them about certain aspects of their experience that would be more difficult to learn from an interview. Information from a potential colleague about their day-to-day successes and the office culture can help determine if a company would be a good fit.

For a student without connections, this may seem difficult or intimidating. However, BYU's University Career Services has an alumni research tool with a directory of over 188,000 contacts who are available to help BYU students as they search for a job.

Newell advises students to send a short email or LinkedIn message to the contact and to



Christina Morillo

A woman conducts an interview of a potential employee for a job.

address them with respect.

"Use respect and formality. Start out using Dear Mrs. or Mr. so people don't get offended. Don't assume familiarity too easily," Newell said.

Following these guidelines will make the contact more likely to reply and become a valuable network connection at the company.

Another resource available to BYU students is Handshake, a platform where interns and

employees can post about their experiences at a company. Students with questions about Handshake can learn more at the Career Studio.

Even at a more informal company, it is still wise to dress professionally for an interview and to show gratitude and appreciation with a thank-you note.

"The small things can distinguish you," Newell said. "There's never anything wrong with saying, 'thank you.'"

# BYU alumni explore the divine feminine through art, research

By KARINA ANDREW

Amber Richardson uses art as a means of exploring her questions. She began to develop questions about the doctrine of Heavenly Mother — one unique to The Church of Jesus Christ of Latter-day Saints while studying theater at BYU.

“I wanted to know who I was,” said Richardson, who graduated from BYU in 2013. “If some aspect of my femaleness is an eternal part of my existence, how do I know who I am if I can’t see who (Heavenly Mother) is?”

Richardson and photographer Anna Killian are looking for answers to this question through their collaborative project, “Woman, Crowned.” The project, which the pair said they hope to publish as a book in 2020, combines research, prose and photography to explore how scriptural queens act as archetypes for Heavenly Mother.

“There are all of these queens in the scriptures, and sometimes, very rarely, we’ll refer to Heavenly Mother as the Queen of Heaven,” Richardson said. “So many of them have interesting connections to the divine Mother that are under the surface if you know what you’re looking for.”

Richardson said she hopes this project will be an “access point” for anyone looking to learn more about Heavenly Mother. She emphasized the taboo around the doctrine of a Heavenly Mother and the resulting trepidation many Church members feel about discussing the subject originated from culture, not from Church authorities.

“I don’t want to tell anybody who (Heavenly Mother) is, because I think that process of discovery is really sacred and really personal, but if I can create an opening, then that would make me feel really happy,” Richardson said.

Richardson worked on several



Anna Killian photos

Left: Laura Schnell models as Queen Aseneth for a project exploring women from the scriptures as archetypes of Heavenly Mother. Above: Amber Richardson hugs one of her models. This model portrayed the queen of King Lamoni for the photoshoot.

projects relating to women’s religious experiences and what she calls “the divine feminine” as a BYU student. These earlier works include “Splitting the Sky,” a 32-part documentary series about women’s encounters with God; her performance of Carolyn Pearson’s one-woman play, “Mother Wove the Morning”; and her essay, “Crowned in Charity and Power,” which was published by Rosemary Card.

Killian was at BYU working on her BFA in photography while Richardson was working on these projects. Killian, inspired by the art of Katie Payne and the poetry of Rachel Hunt Steenblik, said she decided to center her final project on the divine feminine. She surveyed several hundred women about their personal

religious experiences, particularly those experiences related to Heavenly Mother, and based her photography on their responses.

When Richardson saw Killian’s photography and Killian read Richardson’s “Crowned in Charity and Power,” the two women said they knew they needed to collaborate.

In her personal study, Richardson said she noted how scriptural men are often types of Christ, and wondered if scriptural women could be considered types of Heavenly Mother.

“This idea that women in the scriptures might typify a Divine Mother, I didn’t learn that anywhere,” Richardson said. “It wasn’t anything I’d ever been taught, but as I started working with the idea, it just made so

much sense to me.”

Though scriptural references to women are often brief and scattered, Richardson said, they are also impactful.

“I think we often, with women in the scriptures, we downplay their importance and their relevance, because oftentimes, they’re scattered through the text, we don’t usually get to see them longitudinally. We see a point in their life. But I’ve learned that those points are full of goodness and truth and nourishment,” Richardson said.

Killian said photographic representations of scriptural women are also scarce.

One such scriptural queen is Aseneth, the wife of Joseph.

“Aseneth is kind of a mystery,” Richardson said. “We never talk

about her, ever, ... which is very peculiar to me, because she’s the mother of the tribes of Ephraim and Manasseh.”

Richardson and Killian said they asked Laura Schnell, an associate from BYU, to model as Queen Aseneth. Schnell prepared for the project by studying Aseneth.

“Aseneth is the mother of Manasseh and Ephraim, so she’s kind of the matriarch,” Schnell said. “She represents that gathering and that unity that Zion also represents.”

Schnell said she felt connected to Aseneth, an Egyptian woman, who married into the Jewish covenant. Schnell was born in Colombia, but was raised in America by her single mother.

“I kind of connected with

coming to this country. ... There is some automatic renewal that you’re going to do with yourself as far as your cultural identity,” Schnell said. “I can see maybe what Aseneth would have embraced, some of the things she would have needed to sacrifice in order to join Joseph’s bloodline. So it kind of felt like a cool connection. Like, I know what it’s like to be a foreigner in another land.”

Schnell said she was uncomfortable modeling at first but her lack of experience also helped her connect to Aseneth.

“It felt pretty personal to be able to be creative with my representation of someone people don’t know much about,” Schnell said.

Killian said she hopes everyone who reads the book will be able to experience this same kind of connection.

“We tried to get lots of people from different backgrounds: lots of ethnicities, all shapes, sizes, ages, things like that,” Killian said. “When someone opens the book, I want them to see themselves.”

Killian said the project was empowering to her personally, as it helped her see the “power and strength and stamina” in the women she works with in her own photography business.

As a new mother, Schnell agreed and said the project was emboldening insofar as it connected her to Heavenly Mother. “(Working on this project) helped me see myself in a light that I think our Heavenly Parents want me to see myself,” Schnell said.

Richardson said working on “Woman, Crowned” was helping her find answers to those questions that had caused her so much distress before.

“I feel like I’m starting to see who (Heavenly Mother) is,” she said. “It’s been my experience that the more the blinders come off, I’ve never been disappointed,” Richardson said.

## Campus News



Milton Lee

### COLLEGE OF Fine Arts and Communications

Students from eight BYU performing groups will travel to China this month to celebrate the fortieth anniversary of BYU’s first performance tour in the country. The initial tour in 1979 featured only the Young Ambassadors and Living Legends. Since then, relationships between BYU and China have been overwhelmingly positive, and BYU performers have returned to China 28 more times. This year, in addition to the Young Ambassadors and Living Legends, the tour will feature the Chamber Orchestra, the Folk Dance company, the Ballroom Dance company, Vocal Point, the Cougarettes and the Dunk Team. Students from all these groups will represent BYU at the “China Spectacular,” a six-show tour through three different Chinese cities. The show has been tailored to a Chinese audience in order to celebrate cultural diversity and the unique friendship BYU has with China.

### COLLEGE OF Physical and Mathematical Sciences

Brigham Young University’s emeritus chemistry professor, Milton Lee, was awarded the American Chemical Society National Award in Analytical Chemistry on April 2. Lee has published nearly 600 articles and given over 500 presentations throughout his career, which cumulatively represent enormous advancements in the field. The purpose of the ACS Analytical Chemistry Award is to “recognize and encourage outstanding contributions to the science of analytical chemistry.” Lee is now developing a hand-sized instrument



Carly Atchley

for point detection of chemical warfare agents and environmental chemicals. The battery-operated device can detect and measure dangerous chemicals on the spot. Lee is working on a way to make these instruments miniaturized as he increases the trapping volume of the ion. He is also working on miniaturizing the power requirements.

### DAVID O. MCKAY School of Education

Carly Atchley, a first-year graduate student studying school psychology, recently published an article in The Observer, a monthly newsletter disseminated by the Utah Association of School Psychologists to school psychologists in the state. The article “Required Vaccines in School: What is Ethical and Necessary to Keep Students Safe?” examines why parents in Utah choose not to vaccinate and what school psychologists ought to do to respond ethically. According to Atchley, while it is important to respect differing beliefs, most reasons parents give for not vaccinating their children are scientifically unfounded. School psychologists are therefore morally obligated to advocate for mandatory vaccination policies which will protect children.

### MARRIOTT School of Business

Researchers from Harvard, Yale, and BYU’s Marriott School of Business recently published a study indicating that active choice enrollment plans discourage procrastination of financial decisions. Marriott School of Business Dean Brigitte Madrian was a co-author of the study. Their findings showed that when faced with opt-in enrollment



Brigitte Madrian

plans for services such as home delivery of prescription medications, many people procrastinate the decision and never end up opting in, despite the service’s financial benefits. However, when confronted with an active choice, such as choosing between home delivery and pharmacy pick-up rather than being put in a default program, enrollment in the financially beneficial program increased significantly. “The cost of not taking action really matters in getting people to do something,” Madrian said. “If you want people to get something done, make it less costly. Make it easy to sign up, and make it costly to opt out.”

### COLLEGE OF Nursing

Three staff and administration members of the College of Nursing have recently received the Staff and Administrative Employee Recognition Award. This University-sponsored award recognizes employees who demonstrate excellence in several different categories. Kathy Whitenight was recognized in the area of competency for her efficiency in managing several areas of the college, including Risk Management, where she demonstrates a strong commitment to each student. Cherie Top received the award in the area of exceeding service expectations for going to great lengths to make the college a kind and accepting place for everyone from long-term staff to incoming students. The most recent winner, Cara Wiley, was recognized in the area of innovation. Wiley implemented an orientation program for first-semester nursing students which included an orientation dinner, and later, an introductory course.

## Professor reflects on individual worth

By LAUREN LETHBRIDGE

A BYU associate professor of microbiology reflected on her studies as she spoke to students and faculty at a devotional on Tuesday, May 21.

Julianne Grose first shared questions she has asked while studying biology and compared them to questions of individual worth and unique roles.

“I believe... that every species has an important role to play on our planet,” she said.

Grose said life is diverse and a way to measure diversity is by numbering species. There are about 11 million species of cellular life, which she said keeps biologists busy.

“(This amount) also means that in order to succeed on the planet, a species must have a purpose and place,” Grose said.

She shared examples of species with essential and unique functions and how they impact the environment. For instance, when a sea otter is removed from its habitat, the amount of sea urchins increase. These sea urchins then contribute to disappearing kelp beds. The impact of the sea otters removal is dramatic and affects many other species in the habitat, she said.

Grose said during her 11 years teaching biology at BYU she has learned that each student, like the sea otter, “has an individual and unique role to play and unique talents and gifts.”

She continued by telling the story of Anne Frank, whose secret annex she visited during a recent trip to Amsterdam. Anne lived in the annex, which her father built, for two years as she and her family hid from the Nazi army.

Anne kept a meticulous diary during this time, which Grose said “has inspired countless (people), including survivors of similar



Addie Blacker

Julianne Grose, an associate professor of microbiology, speaks to BYU faculty and students during a devotional in the de Jong Concert Hall on May 21.

unimaginable difficulties.”

Grose said she also is inspired by Anne’s story and writing.

“(Anne’s story) is a story of one person’s great talents ... interacting with many other great talents,” she said.

Grose said these other great talents include Anne’s father, who worked to keep his family safe. Later, as the only survivor of the eight who lived in the annex, he fulfilled Anne’s wishes by publishing her diary.

The question, Grose said, is how do people find their talents and purpose? She said she has spoken with many students who say they are unsure of their future and do not know which path to take.

“Too often we compare ourselves to the one person who seems sure of their path, rather than to the twenty like us who are searching for their path,” she said.

We can find and develop our talents through the Savior and

His atonement, Grose said.

“In all cases, our ability to utilize our time, energy and talents is completely dependent upon our Father in Heaven and on our Lord and Savior Jesus Christ,” she said. “He knows our potential and unique talents better than anyone.”

Grose said though we have God’s help, life won’t always be easy nor will prayers always be answered immediately and in an obvious way.

But, she said, if we move forward “over all of the rocks, through the twists and turns, relying on Him, He will be there for us.”

Grose said God will direct each person to become their best self and find their own “ecological niche.”

“If you find yourself struggling at times, if you are in the midst of your long-suffering, take heart and have faith,” she said. “Believe that you have unique talents that are unmatched in the world.”

# Church releases renovation plans for St. George Utah Temple



Church Newsroom

Above: A rendering shows the outside of the St. George Utah Temple with the intended renovations that will be finished in 2022. Top right: A detailed rendering displays the brides' exit and plaza that will be added to the east side of the new annex. Bottom right: A rendering shows the proposed baptistry that will have an entrance and exit on the south side of the renovated St. George Utah Temple.

By LAUREN LETHBRIDGE

The Church of Jesus Christ of Latter-day Saints released detailed plans for previously announced St. George Utah Temple renovations at a news conference on Wednesday, May 22.

The temple will close on Nov. 4, according to Church

Newsroom.

The renovations will include extensive structural, mechanical, electrical, plumbing and finish work. They are expected to be completed in 2022.

Church representatives shared interior and exterior renderings and site plans at the conference in the visitors' center.

Walkways, landscaping, additional shade trees and water features will be added to the temple

block, according to Church representatives.

The temple's foundation will be partially excavated to install new mechanical cooling and heating systems along with seismic upgrades using steel to replace original wood trusses.

The upper portion of the existing annex will be replaced by a design that representatives said will "complement the historic structure."

A new baptistry entrance and bride's exit and plaza will also be added.

The St. George Utah Temple serves members of the Church located in parts of Arizona, Nevada and southwest Utah. The Church invites members in these areas to attend the nearby Las Vegas and Cedar City Temples during the period of renovation.

Michael Suhaka, managing director of the Church's Temple

Department, told Church Newsroom, "We will do all we can to accommodate and welcome those who desire to worship in the house of the Lord. We look forward to the completion of the renovation of this historic temple and the anticipated dedication events that will follow."

Public access will be restricted with some temporary road and sidewalk closures

during renovation, but the temple's visitors' center will remain open.

"We have taken great care to consider the patrons, the building's functionality and the hallowed site it resides on. We have been guided by the historic significance of this great pioneer-era temple and the celebrated place it holds in the state of Utah," senior project manager Chris Robbins said.

## EFY

### Food services prepare for incoming kids

Continued from Page 1

The Heritage Halls cafeteria needs to hire about 90 employees each year to run the facility, a process that begins in March. Johnson said the cafeteria is still hiring and has a good way to go to fill needed positions.

The majority of the cafeteria's employees are high school students. Beginning last year, the cafeteria began allowing anyone from the community and not just BYU students to apply for positions.

"In the years past, we've easily gotten all of our employees from the college students," Johnson

said. "That's who we like to go through first to support the campus and support them. But it just hasn't been a reality to get just college students."

Johnson said EFY students will eat at the Cannon Center for the first week of sessions, and the Heritage Cafeteria will begin feeding EFY participants June 3.

Heritage Halls Office Specialist Kristen Hansen is also busy making preparations for EFY. Nine Heritage Halls buildings are used for summer camps and conferences, she said.

Hansen estimated more than 1,000 EFY participants stay in the buildings each week. A team of 14 students and 10 hall advisers work during the summer to accommodate the visitors.

"We have a team of conferences assistants who we hire specifically for the summer to work with conferences," Hansen said. "We train them on check-in and customer service during the week and then checkouts and

helping get the buildings prepared for the incoming week."

The conference assistants typically only have a few hours after one group of participants leaves to prepare for the next group.

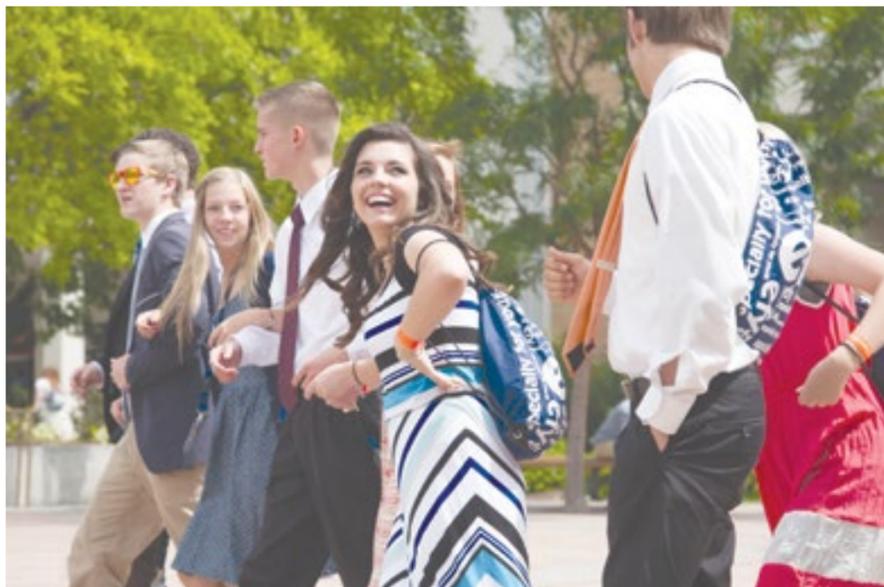
Chuck Andersen, the activities support supervisor for BYU custodial, joked that his team goes into a dark corner and hides to prepare for EFY.

"The first noticeable difference is the college kids tend to make a different sort of mess than high school kids," Andersen said. "I don't mean to throw high school kids under the bus or anything, but it's a different mentality."

Andersen said EFY participants go through hand soap, paper towels and toilet paper more quickly than BYU students. He also added the high school-aged participants tend to throw wet paper towels on the ceiling, clog toilets and place gum in different places.

"Other than that, it's similar to day-to-day activities," Andersen said. "It's just kind of ramped up a little, if you will."

Dining Services Assistant Director Joe Tiapson said although the Cougarreat sees a small influx in business because



Elliott Miller

Provo EFY participants escort each other on the BYU campus in 2014. BYU hosts 25 sessions of EFY on campus each year.

of EFY, the impact isn't notable since BYU Catering and Food-to-Go handle the majority of EFY participants' meals.

"The Cougarreat is meant to serve 7,000 people a day," Tiapson said. "So it's not more than

the Cougarreat can handle. We're definitely far busier fall and winter."

Tiapson said the Cougarreat's renovations are taking place in phases to have as minimal impact on the campus

community as possible. The entire dining area is currently down, he said, but about a third of it will be back by the time EFY starts. About half will be back by summer term, and it will be completed by Aug. 12.

**ENGAGEMENT SETS  
OVER 3,000 SOLD  
\*\*50% OFF !!\*\***  
customjewelrydirect.com



GOT A SUMMER CRUSH?  
**PLAY IT COOL.**

Pick up the latest edition of TWO on racks around campus.



## Shane Reese appointed as new academic vice president

By JOSH CARTER

BYU has appointed Shane Reese as the new academic vice president, the school announced on May 22. The appointment will be effective June 3, and Reese will replace James R. Rasband, who was sustained as a General Authority Seventy of The Church of Jesus Christ of Latter-day Saints on April 6. Rasband had been serving as BYU academic vice president since 2017.

Reese has been serving as the dean of the College of Physical and Mathematical Sciences at BYU since 2017. He graduated from BYU with a bachelor's and master's degree in statistics and later earned a doctoral degree in statistics from Texas A&M University.

"Shane brings a distinguished record of teaching and research



Savanna Richardson/BYU Photo  
Shane Reese has been appointed as BYU's academic vice president, effective June 3.

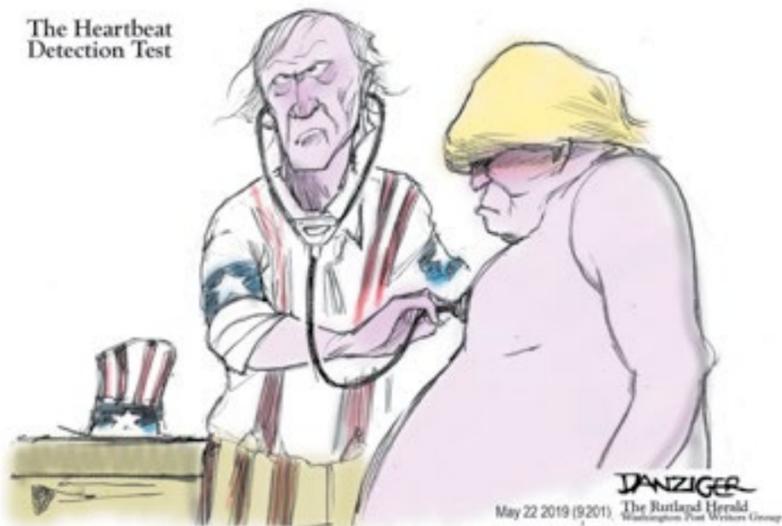
to this new assignment," said BYU President Kevin J. Worthen. "He is a beloved teacher who made introductory

statistics come alive for students. His passion for teaching and learning is paired with an abiding commitment to both the individual and collective aspirations of the Mission and Aims of the university."

He began teaching at BYU in 2001 and has been honored with multiple awards since. He received BYU's Young Scholar Award in 2004, the Karl G. Maeser Excellence in Teaching Award in 2010 and was the Melvin W. Carter Professor in the statistics department from 2012 to 2017. He was named a fellow of the American Statistical Association in 2013.

Some of Reese's work throughout his career includes helping monitor the demolition of multiple chemical weapon stockpiles, publishing research on the power of solar storms and consulting with both the U.S. Olympic volleyball team and the NFL's Philadelphia Eagles.

The Heartbeat Detection Test



## Tweet Beat

#BYU #BYUprobs

Want to see your tweet in print? Tweet something about life around you with #BYUprobs or #BYU and hopefully it makes the cut.

Leave comments at universe.byu.edu or @UniverseBYU

### @RosemaryCard

The 11th commandment: high council members must start their talk by saying the stake presidency sends their love.

### @CollegeStudent

I love seeing all of these 'ready for college' tweets. Really? You're ready to be broke, tired and hungry? You're not

### @QuietStuart

Will I ever learn to stop using "DI" as my generic term for "thrift store"

### @Txfomormonism

Good job at that fruit ninja bonus round, girl sitting in front of me in Sacrament meeting.

### @kylefitzy8

Does anyone have a crush I can borrow?

### @laurenmcclane3

So a whole bunch of summer sales bros moved into my apartment complex this month, and I feel like I'm living in a frat house w them yelling down the hallways.

### @kblairgib

"Taco bell is self-hate on a deep level"  
@HeardAtBYU

### @spicy\_emma

don't tell any of my matches on mutual but i'm watching The Office

### @poetickate

thanos out there literally contributing to the disintegration of the family and we haven't had ONE sunday school lesson on it

### @internetcassie

What can I get from Sodalicious that will make me feel less like "pteradacryl noises and anxious toe taps"

### @liferips

swig is about to sue the sky for hailing pebble ice rn

### @jillfran8

I forgot about the oath all byu grads take to wear cougar gear to every airport and amusement park they visit

### @ARobbie18

What does it take to become a provo bro?? Asking for a friend.

### @basicprovobro

"I had a guy ask me if I wanted to get some food, then proceeded to take me 30 minutes away to dine with his bishop and his bishop's wife at their house."  
#OnlyInProvo

### @BackFromThat

Are we gonna talk about our mortal experience in the next lift the way folks talk about their missions?

### In Sunday School:

"This reminds me of something that happened to me during earth life..."  
\*under breath\* "Geeze, Larry, it's been 4,000 years, get some new experiences."

### @clark\_kayla\_

i mentioned that i don't drink coffee to someone at work & they said "so you're just naturally this perky?" and i didnt have the heart to admit that it was 10:30 and i already had two red bulls.

### @ashlyn\_allred

My new roommate just asked me what gym I go to and I just blinked at her for a while wondering what I've done to make her think I'd have an answer

### @emmmaa\_kay

\*current relationship status\*  
"Wow, he's so cute. If I run him over do you think I can get his number??"  
@HeardAtBYU

### @LuistheSwift

Camp partipants: You can't be eating that! You're the health counselor!  
Me: I'm the health counselor, not the healthy counselor  
#efy

### @faulty\_humor

"We should add a banjo to our ska band".  
@HeardAtBYU

### @\_emilyking\_

"I just wanna know what our kids are gonna look like cuase if they're ugly we can hold off"  
@HeardAtBYU

### @harambevan

I have a girlfriend but you wouldn't know her, she goes to a different ward

### @LatterdayLikes

"If I were a murderer from Utah I would definitely go by The Heber Creeper"

### @avery\_abe

My ultimate frisbee group plays at the same time as my institute class and I don't think I've ever experienced this much turmoil concerning religion.

### Tweets are unedited

## READERS' FORUM

### Guilty pleasures

I'm sick and tired of apologizing for my "guilty pleasures." It starts when we are young — someone in your third-grade class tells you to shut up or calls you a nerd if you start to speak too animatedly. People love to sit around and say, "kids are cruel," but if kids are the cruel ones, then why do adults act exactly the same way? It's more subtle with adults; they won't call you names outright, but the message comes across in different ways — a judgmental eyebrow raise paired with a little scoff or a comment like, "Wow, I didn't think you were into that sort of thing."

I refuse to feel guilty about my simple indulgences. Yes, I like watching "The Bachelorette" and I want to guess your zodiac sign and I am currently reading a young-adult romance novel. I don't think that these are shallow interests — they are just things that I like. What's wrong with that? We can't all sit around talking about politics and the state of the economy all the time. It doesn't mean someone is unintelligent because they spend their disposable energy differently from you.

It hurts seeing the sadness in people's eyes when they realize no one is listening to their stories. When people speak to you, listen. If someone wants to tell you about the 1964 World Series or the timeline of the Marvel Cinematic Universe or the healing powers of crystals, be kind. Don't stomp on people's joy. You might even learn something when you let people enjoy things.

—Erin Johnston  
Queen Creek, Arizona

### Healthier meals on campus

Growing up, I always had the luxury of home-cooked meals. My mom is a terrific cook and her meals are always balanced and healthy. I've realized I have developed the characteristics of a picky eater since coming to BYU. Students with meal plans, like me, are limited to restaurants available on campus. These restaurants usually serve fast food with high calorie counts. We are given very limited options for healthy, balanced meals.

In the Bible, Daniel and many other young men were being trained in the court of Nebuchadnezzar. Daniel 1:4 says, "Young men without any physical defect, handsome, showing aptitude for every kind of learning, well informed, quick to understand, and qualified (were chosen) to serve in the king's palace." Each man received a daily amount of food and wine. Daniel, knowing the commandment given by God to fill our bodies with nutritious foods, asked the court that he be fed with "nothing but vegetables to eat and water to drink." After ten days, the men that followed Daniel were healthier and better nourished than the men that ate the royal food. Daniel was blessed by God, and he was given "knowledge and understanding of all kinds of literature and learning."

BYU tries to give their students healthier options with a salad bar at the Cannon Center or fruit and vegetables at the Cougar eat, but the fruit is usually older or canned. BYU needs healthier restaurants with real fresh fruits and vegetables so that students can perform to the best of their abilities in receiving an education.

—Emma Romney  
Salt Lake City, Utah

## Lack of civility and respect online

If you've spent any amount of time in an online comment section then you've no doubt encountered interactions that are less than civil. Keeping an eye on these comment sections is a part of my job here at The Daily Universe, and I often find myself disappointed. What is it that inspires people to such unkindness against one another? There are certainly plenty of hot-button issues that inherently elicit emotional responses. It's natural to be troubled about some of the happenings in our world, and it's perfectly OK to feel upset. And I think that voicing one's opinion is an admirable thing to do — each of us stands to learn a great deal from the perspectives of others. But it's the way that those opinions are so often voiced that disappoints me.

I refuse to believe that exchanges characterized by hostility are so common in face to face interactions. The relative anonymity afforded by online interactions might make it easy to forget that we are dealing with living, breathing individuals with their own lives and sets of problems and

family and friends who care about them. It's easy to assume the worst in someone when all they are to you is a name on a screen. The nature of online interactions makes it far easier to hate. It's easy to "let a problem to be solved become more important than a person to be loved," which all too often leads to a breakdown in civility. No matter how sure you are of yourself, vitriol on a screen is no more likely to change another's opinion than to change your own.

Let us replace our unfriendly and bad-tempered interactions with civility and dignity. Respect the opinions of others. Each of us is a product of our own circumstances and experiences and has a valuable perspective to lend to others. But if you think that every opinion you hold is entirely correct, that you've got it all figured out, I suggest you reevaluate. In the words of Elder Dallin H. Oaks, "Though we may disagree, we should not be disagreeable."

—Colton Anderson  
Daily Universe Web Editor

## OPINION OUTPOST

The Opinion Outpost features opinions and commentary on the latest hot topics from national news sources.

### Young adult unemployment

A new analysis by researchers at the Brookings Institution found that 17 percent of the people aged 18 to 24 in the nation's most populous cities and counties are unemployed, and their prospects aren't good. Nationally, this accounts for 5 million people.

The largest share of these, 37 percent, are between 18 and 21 and have only a high school diploma or less. Another 25 percent are between 22 and 24 and have completed no more than high school.

More funding for remedial reading and math programs could help those who struggle to obtain jobs or further

education, and at-risk young people who enroll in college could benefit from better support systems that help them complete their courses of study.

—Editorial Board  
Deseret News

### Homelessness

Lt. Gov. Spencer Cox, who heads the state's Homeless Coordinating Committee, delivered the news this week that the state will fund less than half of the \$40 million in requests from agencies serving the homeless. With the three new homeless centers opening this year and more service providers asking for help, the demand has soared past the committee's budget.

If everything is data-driven, providers are effectively encouraged to "shop" for homeless clients that have the best chance of passing through whatever algorithms are being used for assessment. The

hardest cases — the ones with the least ability or willingness of turning their lives around — are left out.

—Editorial Board  
The Salt Lake Tribune

### Immigration

Having failed to effectuate migrant family separation on a mass scale last year, the Trump administration has settled on a new scheme to torment struggling migrant families — this time by threatening to take children who are U.S. citizens from their parents who are not. The proposal targets households of mixed-immigration-status families who receive federal housing subsidies. That would leave mixed-status families with the choice of breaking apart or becoming homeless.

The blueprint devised by the White House encapsulates the administration's approach to illegal immigrants. It seeks to make their lives miserable,

specifically targeting children. It explicitly contravenes other stated goals, including combating homelessness. And it plays havoc with a departmental budget. A clean sweep of callousness for an administration notorious for coldheartedness.

—Editorial Board  
The Washington Post

### College debt

A new generation of plutocrats has amassed great fortunes, in part because the

federal government has minimized the burden of taxation. Americans once again are reduced to applauding acts of philanthropy necessitated by failures of policy.

The substitution of philanthropy for public policy is at work in higher education. Economic growth requires an educated work force. Americans who entered their working primes in the 1990s were far more likely to have college degrees than their peers in other developed nations. Now

the United States has fallen behind much of the developed world — and one reason is that the average cost of obtaining a college degree is among the highest for any developed nation.

An affordable college education should not require an act of largess. It should not require our applause. It merely requires adequate public investment, funded by equitable taxation.

—Editorial Board  
The New York Times

## WE WANT TO HEAR FROM YOU

The Universe encourages students, faculty and BYU staff to add their voice to ours by writing letters to the editor and guest editorials, or by submitting editorial cartoons.

- All letters should be submitted by email to universe.ideas@gmail.com. The topic of the letter should be included in the subject line.
- Letters should also include the author's name, hometown (for students), campus position (for faculty and staff) and phone number. Anonymous letters will

- not be published.
  - Letters should be no more than 250 words and may be edited for length, clarity or style.
  - Guest editorials should be 500 to 700 words and are encouraged from individuals with professional or academic expertise on the topic.
  - Original cartoons are also welcome.
- Opinion editor Karina Andrew can be reached at universe.ideas@gmail.com.

## Snowbird enjoying another 'longest season in Utah'



Eric Sales

Salt Lake City native Brooks Finlinson enjoys a late-season storm at Snowbird on May 18. The resort plans to remain open for skiing at least through Father's Day on June 16.

By JOSH CARTER

Hundreds of skiers and snowboarders packed their gear and started the trek toward Little Cottonwood Canyon hoping to get a taste of the world famous Utah powder. The seemingly endless line of cars snaking their way up the canyon toward Snowbird Ski Resort should be no surprise, given the 12 inches of snowfall within the last 24 hours.

The date, however, is May 18.

While the majority of other Utah ski resorts have been closed for at least a month now, Snowbird is choosing to prolong its winter just a little bit longer. In addition to recording yet another "longest season in Utah" — the resort's spring social media campaign slogan — Snowbird is one of only nine ski resorts in the U.S. whose

slopes remain open more than halfway through May.

Snowbird Communications Manager Brian Brown attributed Snowbird's unique geographical features as key factors that allow them to remain open so late into the year. He also acknowledged the resort's aerial tram, which climbs over 2,900 vertical feet from Snowbird's base to the 11,000-foot Hidden Peak summit, as an essential part in giving skiers wide-range access to the resort's unique terrain.

"Since our aerial tram operates year round, it allows us to move 100-plus people at a time to the top of Hidden Peak," Brown said. "When a lot of the other parts of Snowbird or the other resorts in Utah melt out, there's still a fair amount of snow up at 11,000 feet."

Brown mentioned Snowbird's north-facing slopes as another key element that permits the resort to stay open through the spring. Such slopes

typically remain in the shade longer than slopes facing any other direction, making it possible for snow to stay longer. He also talked about the resort's unique geographic location that enables snowstorms to hit Snowbird before some of the other resorts in the area.

"As the storms come across Salt Lake Valley, especially lake-effect snowstorms, they don't have to travel very far up the canyon before they hit Snowbird," Brown said. "The storms roll in and as soon as they hit the Wasatch Front they start to weaken and dissipate, then the mountains pull some energy from those storms and all the snow drops. Other resorts in (neighboring) Big Cottonwood Canyon are six or seven miles further up the canyon than Snowbird is, so we're kind of lucky in that respect as well."

While several different factors come into consideration when deciding

exactly how late in the year to stay open, according to Ski Utah director of communications Caitlin Furin, the decision is ultimately a business one left up to officials from their respective resorts.

"Resort opening and closing dates are business decisions made by the individual resorts," Furin said. "Staying open into the spring-summer seasons is part of Snowbird's unique business objectives."

Staying open longer than any other resort in the state can present some challenges. May 18th's 12-inch snowstorm just happened to be during the tram's semi-annual scheduled maintenance, leaving hundreds of powder-hungry skiers with just one open lift during the early hours of the day.

More lifts and terrain did open later in the day, however, allowing the crowds to spread out.

Snowbird received an additional

16 inches of snow since the weekend storm, adding to a season snowfall total already well above the resort's 500-inch average. On May 23, Snowbird reported they had broken the 700-inch total snowfall mark on the season, with likely still more to come.

This year's winter was the snowiest for Snowbird since the 2010-2011 season, when they reported a total snowfall of 776 inches. The resort remained open on the 4th of July for just the third time in its history during that season.

Although they might not quite make it to the 4th of July this year, Brown remains hopeful. For now, Snowbird is planning on remaining open through Father's Day on June 16.

"After June 16 we're just going to take it day by day," Brown said. "We're going to assess the snow conditions and see how much longer we can make it past Father's Day."

## 5 pivotal officiating blunders that changed the outcome of games

By AARON FITZNER

The 2019 NFL playoffs, NBA finals and NHL playoffs each had pivotal moments where effective implementation of instant replay could have changed the outcome of the game. Fouls that went called and uncalled on James Harden, shot clock violations that lead to points that shouldn't have been scored and missed plays that lead to game-winning goals have all tainted the postseasons of major sports this year. This brings the question to mind: should sports better utilize the instant replay tools that they have to work with? Below are five major game-changing blunders made by officials over the last 10 years.

### 5 No foul: Florida vs. No. 22 Auburn MARCH 16, 2019

In a matchup that would send the winner to the SEC final, No. 22 Auburn defeated Florida 65-62. Down by three, Florida had possession with just seconds remaining. Needing to hit a three-pointer or get fouled while in shooting motion from behind the three-point line, Gators guard Andrew Nembhard dribbled up the floor and pulled up from deep. Nembhard was met by three Tigers defenders who committed the foul that would put Nembhard on the foul line with a chance to tie the game — or so it seemed. What seemed to be an obvious foul would go uncalled, crowning Auburn victorious. Auburn would go on to win the SEC tournament.

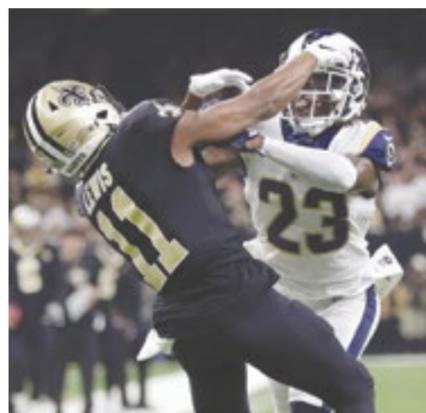
### 4 No-penalty: San Jose Sharks vs. Vegas Golden Knights APRIL 23, 2019

The San Jose Sharks were the recipients of a blown call against the Vegas Golden Knights game 7 of the first round of the 2019 NHL playoffs. The Knights owned a 3-0 lead in the deciding game when Joe Pavelski was gruesomely injured on a play that seemed worse than it really was. Pavelski was cross-checked by Cody Eakin, which sent Pavelski flying into another Golden Knight's player. This pinball effect caused Pavelski's body to corkscrew before landing head first on the ice. After a five-minute major penalty and a game misconduct was given to Eakin for his cross-check, replay showed that his action did not warrant his consequence. Penalties cannot be overturned in the NHL, so the Sharks went on a five-minute long powerplay in which they scored three goals to tie the game. San Jose later won in overtime. After the game, the NHL issued an apology to the Golden Knights in addition to announcing that two referees from that game would not officiate any games in the next round.

### 3 Missed pass interference: Saints vs. Rams JAN. 20, 2019

The Saints and Rams found themselves in the NFC championship, a game that would send the victor to the Super Bowl. With under two

minutes remaining and the game tied, the Saints were threatening to score. With his team on the Rams 13-yard line, Drew Brees dropped back and threw a pass to his intended receiver, Tommylee Lewis. Lewis was met by Rams cornerback Nickell Robey-Coleman. Robey-Coleman made contact long before Lewis had an opportunity to catch the ball, a penalty known as pass interference. None of the refs threw a penalty flag, and the Saints would have to settle for a field goal instead of a potential touchdown. The Rams would go on to tie the game before winning in overtime.



Associated Press

Los Angeles Rams' Nickell Robey-Coleman breaks up a pass intended for New Orleans Saints' Tommylee Lewis during the second half of the 2019 NFC championship game in New Orleans.

### 2 The (almost) perfect game: Armando Galarraga JUNE 2, 2010

At this point, only 20 pitchers had ever thrown a perfect game in the MLB. A perfect game means no batter on the opposing team reaches any of the bases, signifying a pitcher threw a flawless nine innings. On June 2, 2010, Detroit Tigers pitcher Armando Galarraga had tallied 26 outs without a single member of the Cleveland Indians reaching any of the bases. Needing only one more out to record a perfect game, Indians batter Jason Donald hit a grounder to the Tigers' second baseman, Miguel Cabrera. Cabrera threw the ball to first base in what clearly was an out, but the umpire thought otherwise. The runner was called safe, ruining a historic pitching performance.

### 1 Handball: France vs. Ireland NOV. 18, 2009

Ireland has only made the soccer World Cup three times, but in 2009 they almost received their fourth bid. With the winner of the double-matchup heading to the World Cup, Ireland and France found themselves deadlocked in extra time. With 17 minutes remaining, France's Thierry Henry used his hand to guide the ball to his foot, which resulted in a pass to his teammate William Gallas. Gallas redirected the ball into the net with a header, sending France to the World Cup while leaving Ireland and its World Cup hopes behind.

### Dilbert®

**Panel 1:** Boss: YOUR QUOTE IS A BIT HIGH CAN YOU DO IT CHEAPER?  
Dilbert: YES, WE OFFER A LOW-COST OPTION THAT INVOLVES ME TALKING ABOUT THE SOFTWARE, BUT YOU CAN'T HAVE IT.

**Panel 2:** Boss: WHAT WOULD BE THE POINT OF THAT? YOU'RE THE ONE WHO BROUGHT IT UP.

**Panel 3:** Dilbert: WALLY, CAN YOU ATTEND A MEETING AT 10 AM TOMORROW?  
Wally: SURE, HERE'S A LIST OF MY PROJECTS SO YOU CAN TELL ME WHICH ONE YOU WANT TO FAIL WHILE I'M WASTING MY TIME AT YOUR MEETING.

**Panel 4:** Boss: WAS THERE A CHANCE ONE OF THEM WOULD SUCCEED?  
Wally: WELL PLAYED.

### Peanuts®

**Panel 1:** Woodstock: This is my theme on Memorial Day which I am writing on Monday because there is no school today.

**Panel 2:** Snoopy: Everyone is observing Memorial Day today so they can have a three-day weekend and go water skiing.

**Panel 3:** Woodstock: Which hasn't much to do with Memorial Day which is really tomorrow.

**Panel 4:** Snoopy: THIS IS THE SORT OF THEM WHERE YOU GET EITHER AN "A" OR AN "F"!

**Panel 5:** Woodstock: LISTEN...OUR NEW BABY BROTHER IS CRYING.

**Panel 6:** Snoopy: FOR A LONG WHILE YOU HAD JUST ONE BABY BROTHER..

**Panel 7:** Woodstock: SUDDENLY, YOU HAVE TWO!

**Panel 8:** Snoopy: AT THIS TIME OF THE YEAR ALL YOU EVER GET IS RERUNS!

### Garfield®

**Panel 1:** Garfield: SOMETIMES IN THE MORNING...

**Panel 2:** Garfield: I LIKE TO GO FOR A WALK

**Panel 3:** Jon: GET OFF MY FACE! ON MY WAY TO BREAKFAST

**Panel 4:** Garfield: I AM NOT CLEANING THAT UP!

**Panel 5:** Jon: YEAH, I LIKE IT, TOO

### Pickles®

**Panel 1:** Grandma: GRAMMA, MY GUM GOT STUCK IN MY HAIR WHILE I WAS ASLEEP.

**Panel 2:** Pickles: OH, NO! THIS DOESN'T LOOK GOOD AT ALL. IS IT GOING TO BE OKAY?

**Panel 3:** Grandma: I DON'T KNOW, NELSON. WE MAY HAVE TO CUT A CHUNK OF YOUR HAIR OUT.

**Panel 4:** Pickles: NO, I MEAN WILL THE GUM BE ALL RIGHT?

**Panel 5:** Pickles: HOW ARE WE GOING TO GET THAT GUM OUT OF NELSON'S HAIR? PEANUT BUTTER.

**Panel 6:** Grandma: THAT WON'T WORK, I'VE HEARD THAT PUTTING ICE ON IT IS THE BEST WAY.

**Panel 7:** Pickles: WELL, LET'S TRY THE PEANUT BUTTER FIRST, AND IF THAT DOESN'T WORK, WE'LL TRY THE ICE.

**Panel 8:** Grandma: NEVER MIND, I TOOK CARE OF IT MYSELF.

### Non Sequitur®

**Panel 1:** I'M BEGINNING TO SUSPECT WALKING THE PLANK ISN'T CROSS-PLATFORMED

**Panel 2:** THE FIRST PIRATED APPLICATION

**Panel 3:** I THINK IT MEANS THERE'S NOTHING HEALTHFUL IN IT, AND, NO, WE'RE NOT GOING IN

### Zits®

**Panel 1:** OKAY, I'LL HAVE COZMO BACK IN AN HOUR. HAVE FUN!

**Panel 2:** A LOT OF JACK RUSSELLS HAVE A THING ABOUT SQUIRRELS.

**Panel 3:** GOOD NOTE.

**Panel 4:** I HAVE SIX DOG WALKS ON THE SCHEDULE TODAY. WOW!

**Panel 5:** IF THIS KEEPS UP I MAY END UP MAKING REAL MONEY THIS SUMMER.

**Panel 6:** (SNIFF!) I NEED A MINUTE. DON'T CRY, DAD. I'LL STILL BE IRRESPONSIBLE AND FOOLISH.

### Sudoku

Use the numbers 1-9 once in each row, column and marked grid of 9. Puzzles increase in difficulty from left to right. Solutions are at [universe.byu.edu/sudoku](http://universe.byu.edu/sudoku).

			7					
	7	5	9	1	2			
6		3		8		5		
	7	5				9	1	
3	1						8	6
	2	4				7	3	
	4		8		7		2	
		8	2	3	9	6		
				6				

			5	1				
	5			6				
	3	1		6	4	8		
5			3	9	6		7	
		9	2		7	8		
4			8	1	5			6
	2	6		5		3	7	
		4				2		
			4		8			

8		4		6			7	
	4					8		
		6	1		8	3		
7		9	3		2	8	4	
	4		5	8		7	1	2
		3	7		1	2		
	5					6		
9		6		5			3	

				1				9
				9	2		1	5
		3		8		4		
3			5				7	
	9	1					8	3
	7					3		4
		4		5		2		
1	5	2	7					
	8					1		

### The New York Times Crossword

Edited by Will Shortz No. 0422

**ACROSS**

- Turn away, as one's gaze
- Bird's beak
- Varieties
- "Toy Story" studio
- "Point taken"
- Ne, on the periodic table
- Tennis with dad?
- With 8-Down, dessert brand that "nobody doesn't like"
- Messy meal for pigs
- Motorists' org.
- "Not in a million years!"
- Losing tennis player's prayer?
- In a trite way
- Exam for a future atty.
- Wonderland girl
- "... making myself clear?"
- Guzzle down

**DOWN**

- Dislike for tennis?
- Sharp as a tack
- ExxonMobil business
- Jargon
- Famous (cookie brand)
- Things for cleaning dishes
- "Wow, no wonder you're playing such great tennis!"
- Overdo, as a stage role
- Assistance
- "Good heavens!"
- Letter-shaped beam
- Lose every set of a tennis match 6-0?
- Ship of 1492
- "... be over soon"
- Take home from the shelter, say
- And others: Abbr.

**ANSWER TO PREVIOUS PUZZLE**

CAM MAG ADHERES  
ORE AGE LEADERS  
NRA GANGESRIVER  
TENNISRACKET  
RATE SEP EASE  
ARTEMIS MIDDLEC  
SODA HIRE LEO  
ASTIRECALL  
ZIP ONYX TACK  
ALDENTE GRAPHIC  
PLAY RAE EINE  
EASTERISLAND  
DOLLARSIGNS NEA  
ROBERTA LET TAR  
SHOTPARERS IRS

### The New York Times Crossword

Edited by Will Shortz No. 0422

**ACROSS**

- Sound that a sound-absorbing chamber should eliminate
- Mars candy bar with caramel and milk chocolate
- Shrek's wife
- "... she blows!"
- Go backpacking
- Leader of the singing Chipmunks
- One who may have a mortgage
- Traction aid on a shoe
- Race loser
- Lipstick mishap
- After all expenses
- Nile reptile, for short
- End result
- Mine extractions
- Twins
- "... Theme" from "Doctor Zhivago"

**DOWN**

- Indian flatbread
- Your: Fr.
- Liquid supply for body art
- "Eww!"
- Bird that usually mates for life
- Word before fairy or decay
- Message between two arrows on a shipping container
- Prefix with phobia
- Popular European comic book hero
- Old Russian ruler
- Fryer contents
- One who's doomed
- Digitally endorsed
- How a pirouette is done

**ANSWER TO PREVIOUS PUZZLE**

ANTE TBS TRIBES  
DEAL IOU RACEME  
DUPE COMMUNIQUE  
RICO NAIL CULT  
TOOTHDECAY LEAH  
INCOME GESTE  
TSAR REVISE TED  
SOBRIQUET  
ANG DOBYNAST VATS  
GOONS ROSTRA  
ESSO MURRAYTHEK  
GIST OSAY SUES  
AREYOUOKAY DITS  
PETERS ENE ISLE  
SETTEE SSW OMEN

### The New York Times Crossword

Edited by Will Shortz No. 0423

**ACROSS**

- Gasoline additive
- García Márquez's "Love in the Time of ..."
- One with a squeaky wheel?
- ... Things (cookies)
- Upset, as plans
- Narrow down
- Singer Turner
- Gen ... (predecessors of millennials)
- Decoration for some die-hard sports fans
- "Let me check"
- Send beyond the green, say
- Actress Long
- Member of an underground colony
- Member of a World of Warcraft race
- Civilian clothes for a soldier

**DOWN**

- Noble person's headwear
- Meaning of a raised index finger
- Goals for QBs
- Plopped down
- Tic-tac-toe win
- Cheek
- String for a cake box
- Smidge
- RVer's stopover, for short
- "The Addams Family" cousin
- Tai ... (martial art)
- Jokey 1978 Steve Martin song
- First female Supreme Court justice
- Gave it a go
- Waits a moment
- Moe, Larry or Curly
- Charge for some goods bought from out of state
- Elope
- Grande
- Final Fantasy and others, in brief
- Burst of wind
- Not even
- Big D.C. lobby
- Before, in verse

**ANSWER TO PREVIOUS PUZZLE**

Online subscriptions: Today's puzzle and more than 7,000 past puzzles, [nytimes.com/crosswords](http://nytimes.com/crosswords) (\$39.95 a year).  
Read about and comment on each puzzle: [nytimes.com/wordplay](http://nytimes.com/wordplay).

### The New York Times Crossword

Edited by Will Shortz No. 0423

**ACROSS**

- Beach Boys album with the hit "Wouldn't It Be Nice" ... or things hidden in 17-, 31-, 37- and 49-Across
- Pharmacy stock
- Get quickly, as lunch
- Explorer Hernando de ...
- 7/4/1776 and 6/6/1944, e.g.
- Alluring
- Futuristic movie of 1982

**DOWN**

- Gasoline additive
- García Márquez's "Love in the Time of ..."
- One with a squeaky wheel?
- ... Things (cookies)
- Upset, as plans
- Narrow down
- Singer Turner
- Gen ... (predecessors of millennials)
- Decoration for some die-hard sports fans
- "Let me check"
- Send beyond the green, say
- Actress Long
- Member of an underground colony
- Member of a World of Warcraft race
- Civilian clothes for a soldier

**ANSWER TO PREVIOUS PUZZLE**

Online subscriptions: Today's puzzle and more than 7,000 past puzzles, [nytimes.com/crosswords](http://nytimes.com/crosswords) (\$39.95 a year).  
Read about and comment on each puzzle: [nytimes.com/wordplay](http://nytimes.com/wordplay).

# More than 30 dead deer found near landfill in Utah

*Deaths open eyes of residents*

ASSOCIATED PRESS

More than 30 deer have turned up dead near a landfill in Utah, prompting an investigation by state officials and new measures meant in part to keep the animals from the site.

The deaths came to light earlier this week after hikers shared photos on social media of dead deer strewn across a road near Three Mile Canyon Landfill in Coalville, about 45 miles (72 kilometers) northeast of Salt Lake City.

One photo shows dozens of decaying deer carcasses mixed with trash on the edges of nearby Rockport State Park.

Residents chimed in on Facebook, calling the photos “an eye-opener” and “insane.”

Deer come to the landfill each winter seeking food then fall ill after ingesting plastic and other toxins, Summit County Solid Waste Division superintendent Tim Loveday said.

“They’re looking for fruit, they’re looking for a plastic bag with residuals on it — anything they can, to eat,” Loveday said. “They were really aggressive on trying to come into the landfill and feed.”

Loveday said a recent spike in the state’s deer population and the brutal winter have meant more deer are dying of starvation and cold.

The recent fatalities call for a more aggressive solution to protect wildlife, he said.

Summit County plans to add a 30-foot (9-meter) “litter fence” near a new portion



Associated Press

This undated photo provided by the Summit County Solid Waste Collection Office on Friday, May 24, shows deer near a landfill at the Three Mile Canyon Landfill in Coalville, Utah.

of the landfill and cover the landfill with heavy rock and soil to shield it from wildlife.

In the past, Loveday and his crew have covered the landfill with a thick layer of dirt to keep wildlife out, but the deer have learned how to paw

through it, he said.

More information will be released into the cause of death once Utah’s Division of Wildlife Resources completes its investigation, said Faith Jolley, a representative for the office.



Abigail Keenan

Zach Wilson adds to his 204 passing yards in a loss to Utah on Nov. 24, 2018 in LaVell Edwards Stadium

## Breaking down BYU’s 2019 football schedule

By AARON FITZNER

BYU football has one of the toughest schedules in the NCAA over the first four weeks of the season; the Cougars are the only team in the nation to open the season with four straight Power 5 games. In addition to its strong schedule to start the season, BYU will also play Utah State and Boise State, two teams that were nationally ranked during the 2018 season.

BYU is set to play six road games in 2019. These games will take place in all four time zones: one game in Central Time (Tennessee), one game in Pacific Time (San Diego), one game in Mountain Time (Utah State) and three games in Eastern Time (Ohio, USF and UMass). The total travel distance for these six road games from LaVell Edwards Stadium to the opposing stadiums is

over 9,000 miles. USF will be most distant, forcing BYU to travel over 2,300 miles.

The teams BYU will play in 2019 had a combined 2018 season record of 87-65, outscoring opponents 4,770-4,155. BYU’s opponents had a combined total of 2,396 points scored against them during their 65 losses, averaging 36.9 points given up per team, per loss. Separating the Power 5 and the 2018 ranked teams from the rest of the pack, these teams allowed an average of 31.2 points per loss last season.

Two of the teams BYU is set to face in 2019 are currently ranked — No. 13 Utah and No. 12 Washington. These two teams averaged 28.8 points per win last season while giving up an average of just 24.3 points per loss. These two squads had 19 passing touchdowns each while averaging 227.1 passings yards and 12.34 yards per completion.

As a whole, BYU’s 2019 opponents recorded an average of 249.3 passing yards per game while also averaging 23 passing touchdowns during the 2018 season. The Cougars’ schedule will feature three teams that were ranked in the top 20 in passing yards per game: UMass (14), Utah State (17) and Boise State (18). These three teams averaged 30 passing touchdowns last season.

On defense, BYU’s 2019 opponents allowed their opponents an average of 396.4 yards per game of total offense. The Cougars will face three teams that were among the top 25 defenses in yards allowed per game during the 2018 season — Washington (12), Utah (14) and San Diego (21). In addition to these three teams, two more of BYU’s opponents — Boise State (39) and Tennessee (49) — were among the top 50 defenses in yards allowed per game.

## Looking for family housing?

Find options in Housing Guide.



New 2019 edition available on racks throughout campus.

## Former QB joins BYU football radio broadcast team

By JOSH CARTER

Former Cougar quarterback Riley Nelson is back at BYU.

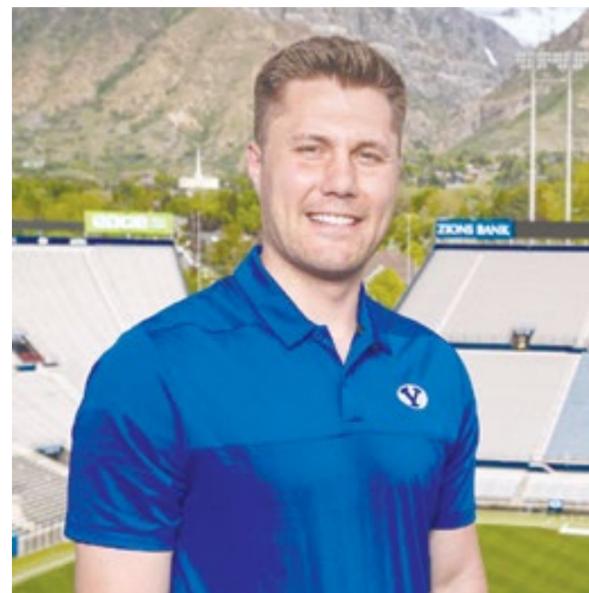
The school announced Tuesday, May 21, that Nelson has been hired as the new game analyst to commentate alongside Greg Wrubell during BYU football radio broadcasts. Nelson replaces longtime BYU football broadcaster Marc Lyons, who retired at the end of the 2018 season after 38 years in the radio broadcast booth.

“I could not be more excited about this opp,” Nelson wrote on Twitter. “To be able to be part of every game day again and to be a part of sharing the great BYU football moments to come with Cougar Nation!!! Now these 100 days need to go quick so we can get to kickoff!”

From 2009 to 2012, Nelson appeared in 31 games as quarterback for BYU, including 19 starts. The Logan, Utah, native threw for 3,813 yards and 32 touchdowns during his time at BYU. He also rushed for 793 yards and six touchdowns. Nelson helped lead the Cougars to bowl game appearances during his junior and senior seasons as BYU’s primary starter.

Nelson displayed a contagious passion for the game during his time on the field for BYU that will likely carry over to the radio booth.

“I’m eager to work alongside Riley in his first season as a member of the BYU football radio broadcast team,” Wrubell told BYU athletics. “As a starting quarterback and team captain,



BYU Photo

Former BYU quarterback Riley Nelson is joining the BYU football radio broadcast team as a game analyst.

Riley demonstrated qualities that will make him as valuable a commentator as he was a player. His keen understanding of the game and natural skills as a communicator will serve him well as he engages with our listeners in Cougar Nation.”

Along with Wrubell, who is entering his 19th season as play-by-play commentator, Nelson is joining a radio broadcast crew that includes former BYU football player Mitchell Juergens. Juergens played wide receiver in 2010 and from 2013 to 2016 and recorded a total of 99 catches for 1,228 yards and 8 touchdowns. Jason Shepherd also returns

to the radio broadcast team as the host of the network’s pregame, halftime and postgame coverage.

“I’m really looking forward to working on the air with Greg, Mitchell and Jason,” Nelson told BYU athletics. “BYU football’s radio broadcast crew is world-class, and I hope to do my part as a member of the team. I’m excited to get back into film, scouting reports, interviews and game-week prep to provide valuable insight and analysis to everyone tuning in. The 2019 season is fast approaching, and I can’t wait to share it with Cougar Nation.”