

ExploreTM

Life and land from the heart of the Yellowstone Region

FREE

Big Sky

Oct. 25 - Nov. 7, 2019
Volume 10 // Issue #22

**Sheriff's Office loses one
of its own**

*Bozeman airport expands
air service*

**Sustainability committee
forms in Big Sky**

**LPHS Football grabs
milestone victories**

*HATCH Montana 2019
elevates Emigrant*



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Oct. 25 - Nov. 7, 2019
Volume 10, Issue No. 22
Owned and published in Big Sky, Montana

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ON THE COVER:

Spooky season is upon us. With Halloween around the corner and fall weather settling back in after some early snowstorms, pumpkins and scarecrows are popping up around town. If you're a fan of scary movies, don't miss out on Horror Fest at Lone Peak Cinema Oct. 25-27. PHOTO BY KIRBY GRUBAUGH

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Sheriff's Office loses one of its own

Gallatin County Sheriff's Office deputy Jake Allmendinger lost his life in a tragic accident as he was responding to a call on Oct 19.

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Bozeman airport expands air service

Beginning this winter, look for an uptick available seats for flights to and from the Bozeman Yellowstone International Airport.

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Sustainability committee forms in Big Sky

Big Sky's newly formed Sustainability Committee met for the first time in mid-October. The 15-person committee will convene monthly to discuss actionable ideas regarding a more sustainable community.

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LPHS Football grabs milestone victories

Lone Peak football made history in October, defeating both Ennis and Twin Bridges for the first time in the program's tenure.

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HATCH Montana 2019 elevates Emigrant

Influencers of all walks came together for the 24th HATCH summit, founded by Bozeman-native and forward-thinking powerhouse Yarrow Kraner, for five days to collaborate and propose solutions to a multitude of society's most pressing issues.



Mike Wilczynski, general manager of Moonlight Basin, was all smiles after bringing down this class 300 bull elk in his "backyard" during the last days of archery season. The early snowfall and late rut this season provided bow hunters with an added level of difficulty to punch their tags. PHOTO BY JENNY WILCZYNSKI

EDITORIAL POLICIES

EDITORIAL POLICY

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For the November 8, 2019 issue: October 30, 2019

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Please report errors to media@outlaw.partners.

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168 Nighthawk Fork
SPANISH PEAKS MOUNTAIN CLUB
4 BED + 4.5 BATH | 2,609 +/- SQ. FT. | \$2,875,000



Highlands Neighborhood | Ski In/Out
SPANISH PEAKS MOUNTAIN CLUB
3-6 BED + 3.5 - 5.5 BATH | 2,318 - 4,620 +/- SQ. FT | \$2,575,000 - \$4,100,000



43 Mountain Valley Trail
SPANISH PEAKS MOUNTAIN CLUB
5 BED + 5.5 BATH | 6,261 +/- SQ. FT | \$5,175,000



334 Nordic Lane
ASPEN GROVES
5 BED + 5 BATH | 5,100 +/- SQ. FT. | \$1,895,000



Gallatin Preserve
SPANISH PEAKS MOUNTAIN CLUB
160 +/- ACRES | \$4,300,000 - \$7,500,000



Moose Ridge Condos
BIG SKY TOWN CENTER
5 BED + 5.5 BATH | 3,885 +/- SQ. FT. | \$1,800,000



Mountain Lake Phase 3
BIG SKY MOUNTAIN VILLAGE
2 - 4 BED + 3 - 4 BATH | 1,918-2,465 +/- SQ. FT | \$959,500 - \$1,300,000
10% OFF LIST PRICE PRE SELLING DISCOUNT



Wildrige Lot 27
SPANISH PEAKS MOUNTAIN CLUB
1.23 +/- ACRES | \$675,000



Free Arts Council performance at Wilson Hotel

ARTS COUNCIL OF BIG SKY

Join the Arts Council of Big Sky for a free evening of music with Ben Hunter and Joe Seamons at the Wilson Hotel on Nov. 8, from 7-9 p.m. The duo of songster revivalists will perform their special blend of acoustic blues, prison ballads, field hollers, fiddle and banjo breakdowns, and folk sounds.

Representing music essential to American culture, Ben and Joe's versatile repertoire and masterful storytelling engages listeners in an experience that transcends the expected. During the interactive show, the audience will find themselves up off their feet, clapping their hands and leaving with newfound curiosity about the role of music in their own personal and cultural narrative.

Visit bigskyarts.org for more information.

Voting dates set for Best of Big Sky awards

EBS STAFF

BIG SKY – Now in its ninth iteration, the Best of Big Sky awards will once again be up for grabs among local businesses and community members who have set themselves apart from the crowd this year.

Will Olive B's retain its crown as Big Sky's Best Restaurant? Who will win Community Member of the Year for 2019? Those coveted titles and many more are all to-be-decided.

This year, for the first time ever, Best of Big Sky will open with a nomination period running from Nov. 11-24. The voting period will be open from Nov. 25 until Dec. 9.

Visit explorebigsky.com/best-of-big-sky-2019 to nominate your favorite pizza, burger and après spot in town, and then remember to have your voice heard when the official voting period opens on Nov. 25.

Big Sky Chamber hosting "Eggs & Issues" discussion

EBS STAFF

BIG SKY – On Nov. 6 the Big Sky Chamber of Commerce will host a discussion, taking place at The Wilson Hotel, regarding the upcoming plans and ideas of the Big Sky Resort Area District.

The forum will begin at 8:30am and conclude at 10:30am and is one of two that take place during the year. As attendees indulge in a complimentary breakfast, the Big Sky Resort Area District will provide an overview of their hopes for the community as well the steps they intend to take in order to achieve said hopes.

Bozeman airport announces increased flight services this winter and summer

EBS STAFF

BIG SKY – Bozeman Yellowstone International Airport (BZN) recently announced increased air service that will take effect for the 2019-2020 winter season, through summer 2020.

The airport will offer a 12.9 percent increase in total seats available for the 2019-20 winter season. Among the most notable increases are additional flights to Seattle, Chicago and Detroit.

Delta Air Lines will add twice daily service from Seattle (SEA) beginning in January 2020, increasing overall flights offered to Seattle by 84 percent for a total of seven daily flights between Alaska and Delta Air Lines.

American Airlines will add daily flights from Chicago (ORD), increasing the total number of American flights to Chicago by 332 percent. Delta Air Lines will also increase Detroit (DTW) service this winter by offering flights between December and March this season, a 900 percent increase in seats year over year.

For the summer of 2020, American Airlines will introduce non-stop seasonal service to three additional destinations. In addition to year-round daily service to Dallas/Fort Worth (DFW) and winter and summer daily service to Chicago (ORD), American will add daily summer service to Los Angeles (LAX), Saturday summer service to New York (LGA) and Montana's first service to the state of Pennsylvania with Saturday summer service to Philadelphia (PHL).

With direct flights to 16 cities this winter, Bozeman Yellowstone International Airport will become one of the most well-served ski destinations across the United States. During the winter season, the airport offers 13 daily non-stop flights to Atlanta, Chicago, Dallas/Fort Worth, Denver, Detroit, Houston, Los Angeles, Minneapolis, New York, Portland, Seattle, Salt Lake City and San Francisco. In the 2020 summer season, air service will increase and BZN plans to offer direct non-stop flights to 18 destinations.

Third annual Haunted Peaks ongoing

EBS STAFF

BIG SKY – The spooks began on Thursday, Oct. 24 as the third annual Haunted Peaks Halloween Festival, hosted by Big Sky Town Center, Big Sky Real Estate Co. and Lone Peak Cinema kicked off. The Haunted Peaks Block Party got things started featuring, a live funk/soul rock performance by The Magic Beans.

Oct. 25 marks the start of the weekend-long Haunted Peaks Window Display Competition, and Lone Peak Cinema's 36-hour marathon of horror films.

The Geocache Mystery also commences on Oct. 25, a weekend-long caper spanning to Oct. 27, complete with clues to solve mysteries—and with hidden prizes along the way.

Capping off Oct. 25 festivities is a costume party at Blue Buddha Sushi Lounge, where Big Sky residents can don their Halloween best and dance to a live DJ to win prizes.

Saturday, Oct. 26, will also be chock-full of ghoulish delights: a "Haunted 5K Run to The Pub & Block Party," presented by Moving Mountains Fitness and Beehive Basin Brewery; a haunted house, presented by Haas Builders and Big Sky Discovery Academy; and "Yappy Hour at The Rocks" along with a "Party at the Pumpkin Patch".

Visit bigskytowncenter.com for more information.

Riverhouse Bingo brings community together

BY MICHAEL SOMERBY

GALLATIN GATEWAY – “Bingo!” Few exclamations have the ability to taste so sweet.

For such a simple game, Bingo has an incredible effect on those that play it—the rush of filling out a card with bright, inky markers, the anticipation of the caller yelling out that one number you need and the suspense of wondering to what degrees your competitors’ boards are filled-out can elicit energy one would expect at the beginning of a sporting event.

Yet at the Gallatin Riverhouse Grill in the Gallatin Canyon, the suspense just might be a notch above that at most Bingo gatherings, as Big Sky locals—friends, family, peers and colleagues—gather on a few select Tuesdays each shoulder season to test their luck against the other patrons’.

A winning board at the Riverhouse can pocket the owner several hundred bucks, depending on the round, but it comes with a price: prepare to be heckled, booed and have dozens of wadded-up losing boards tossed in your direction.

In fact, ads placed around Big Sky don’t shy away from the phenomenon, reading, “You know the deal, practice throwing insults mostly.”

Yet, there’s no animosity involved, as Bingo represents much more than a game—it’s a chance for those that live in Big Sky to gather, unwind and enjoy each other’s company during the quieter moments when the town is majorly free of visitors and tourists.

“The whole reason we do Bingo is to keep the locals happy, the people who make this place [Big Sky] happen,” said Greg Lisk, co-owner of the Riverhouse. “When you look at it, 95 percent of the people at Bingo are locals, with the other 5 percent just passing through and seeing an opportunity for a good time.”

The notion, providing for the working locals that make Big Sky tick, is a sentiment of Lisk and his business partner Kyle Wisniewski that is reflected even in the menu, which features a three-piece fried chicken dinner for \$7.

“The whole reason we did the \$7 dinner was to make locals happy. Not everyone can afford a \$25 steak, and we haven’t changed that price,” Lisk said.



A three-piece fried chicken dinner, a beer and a bingo board at the Gallatin Riverhouse Grill—a classic Big Sky pairing. PHOTO BY MICHAEL SOMERBY



Gallatin Riverhouse Grill patrons gathered in the hopes of winning some cash while enjoying the company of their fellow Big Sky residents, along with a few visitors. PHOTO BY MICHAEL SOMERBY

Literally putting their money where their mouth is, Lisk and Wisniewski opted to allow American Legion Post 99, based out of Big Sky, to collect all proceeds from the Bingo event as well as use the space as a de facto gathering space.

“We always used to put [Bingo] on, but then we were like ‘Let’s get the American Legion guys come in and make the money and make the hall theirs,’” Lisk said. “The locals are getting something fun to do, the American Legion makes some money, and Gallatin Riverhouse Grill gets their cut selling chicken and PBRs.”

According to its Facebook page, American Legion “was chartered and incorporated by Congress in 1919 as a patriotic veterans organization devoted to mutual helpfulness. It is the nation’s largest wartime veterans service organization, committed to mentoring youth and sponsorship of wholesome programs in our communities, advocating patriotism and honor, promoting strong national security, and continued devotion to our fellow servicemembers and veterans.”

“This money goes toward scholarships, and Boys State [program], and the oratorical contest we have at the school,” said Kenny Alley, a member of Big Sky’s American Legion chapter. “This is pretty much what brings in the money for the work we do. It’s such a popular thing, Bingo, and it’s something to do for the locals during the offseason.”

Lisk also acknowledged many of the town’s other businesses for their contributions, which constitute many of prizes offered to Bingo winners at the Riverhouse, such as gift cards and merchandise.

“...It’s not fair to just talk about the Riverhouse. Other restaurants donate things too, and they know the proceeds go to the American Legion. It’s really the community as a whole working together to have some fun.”

Good food at fair prices, good people in a one-of-a-kind community, good times and good deeds—what’s the word? Bingo.

Big Sky Community Library enters 20th year

BY MICHAEL SOMERBY

BIG SKY – Nearly 20 years ago, “The Big Sky Weekly,” then the preeminent local news publication in Big Sky, featured a story about a new library enhancing education for Ophir School’s students.

“Ophir School Embraces New Library,” read the Feb. 11, 2000, headline, and the article chronicled the nine years of progress witnessed by the community as a result of the efforts of Head Librarian Kathy House.

When House arrived at the school in the early 1990s, according to the piece, the library was nothing more than a segmented portion of a classroom, where a curtain delineated where classroom ended and the library began.

Crammed like sardines, the books, students and House managed to eke out a functioning relationship with the space; while the conditions were less than ideal, it was a start, but to anyone with prior knowledge of what a school’s library ought to look like, they underscored a real need for improvement.

In September 1999, House and the students’ dreams were realized when a new library graced the growing school’s facilities and presented new avenues for scholastic and personal relationships with literature for Big Sky’s youth.

With the new space, however, came new responsibilities and challenges.

“Before that move, we had this janky little space, and when we moved into the bigger space I looked around and thought, ‘I don’t know how I’m ever going to fill this with books and resources with our small budget,’” House said in a recent interview with EBS. She’s still head librarian at the community library she started all those years ago.

She even imagined bringing Internet to the library, then a relatively high-tech ask.

Turning to the Resort Tax for a \$25,000 appropriation, House, with the help of the newly minted Friends of the Library Committee, began to stock the shelves and buy computers for the library.

Then, as “The Big Sky Weekly” piece detailed, House and the FOL began to set sights on not only improving the library’s student offerings, but to also pave the way for a community library where adults could also access the wealth of academic information, poetry and prose found on the spacious shelves under a sheet of natural lighting.

Yet, a new setback emerged: There were concerns that opening the doors to the public would present a safety issue for the school and students, so an agreement was made with the school that allowed for public access on certain hours of specific days.

Once that accord was reached and set into place, on Oct. 24, 2000, the library hosted a grand opening that commemorated the entire Big Sky community’s ability to enter the library doors.

Voila: The Big Sky Community Library was manifest.

Oct. 24, 2019, marked the official start to the 20th year the greater Big Sky community was granted access to the library, a landmark moment considering the history and humble beginnings of the town’s library space.

Moreover, the milestone solidified the notion that Big Sky is a community with real and growing bones, and with dedicated members of the community driven to make it so.

“I think that the library is a great example of the community showing its sustainability



The Feb. 11, 2000, edition of The Big Sky Weekly, celebrating Big Sky’s new library space—months before it was open to the public. PHOTO BY MICHAEL SOMERBY

and people’s desire to live here permanently, year round,” said Amy Hunter, assistant community librarian. “There’s something so calming and peaceful about walking into the library ... It gives me hope and perspective about the world, and I think it brings that to the community too.”

The Big Sky Community Library is a resource that should not be taken for granted—this fall, be sure to celebrate the hard-wrought stacks of literature, sure to inform and transport to worlds known and new.

“We’re really proud of what we’ve accomplished,” House said.

Show your support for The Big Sky Community Library at the Scholastic Book Fair and Friends of the Library used book sale, a major annual fundraiser, held in the Ophir Elementary Gym on Nov. 7, 8:30 a.m to 5:30 p.m., and on Nov. 8, from 8:30 a.m. to 12:00 p.m.



Water and sewer rate hikes are on track to increase in 2020

BY DOUG HARE

BIG SKY – On Oct. 22, the Big Sky Water and Sewer District (BSWSD) Board of Directors met in its Meadow Village office building to discuss the impending updates to rates and rate structures for water and sewer customers.

While the BSWSD initially charged customers at a fluctuating flat fee based on the district’s changing financial needs, board members voted in August to move ahead with recommendations from a 2019 Utility Cost of Service and Financial Plan produced by Advanced Engineering and Environmental Services (AE2S). The study found that user classes generated costs for the district differently within the system and should be adjusted accordingly to eliminate possible revenue imbalances and ensure a balanced budget.

For the first time ever, the board now plans to have different rate structures between residential and commercial entities, as well as charging a separate irrigation price, said Ron Edwards, BSWSD general manager. “It’s about maturing as a community and aligning our prices more closely to our costs with an eye towards future growth and infrastructure needs.”

While rates are set to increase across all tiers, the board intends to adjust tiers with lower thresholds for water upcharges based on usage to encourage conservation, put more onus on commercial users, and to encourage less irrigation in summer months when water becomes increasingly scarce in an arid, alpine setting.

Sewer rate changes

Base sewer rates are set to increase 10 percent across the board, while volumetric rates will increase 5 percent per thousand gallons for residential users and 10 percent for commercial users for the rate hearing.

To shoulder operations without sharp rate increases in the span of a year, the AE2S consultants also recommended yearly rate increases of around 5 percent for residential accounts for the next five years; for commercial accounts, the recommendation included 20 percent increases each of the next two years and 10 percent increases the following three years.

In the previous rate structure, residential and condos were found to be overcharged 24 and 11 percent relative to cost of service, respectively, while the commercial class was judged to have been 34 percent undercharged for the cost of the district providing sewer services.

Water rate changes

On the water side, the board is looking to adopt a 9 percent increase to the flat fee rates for water services for the coming year.

The new structure will have four tiers with increasing rates prorated as water users move into higher tiers. The lowest tier is from 0–20,000 gallons and will be charged at \$2.98 per thousand gallons. The current rate structure bills 0–60,000 gallons at \$2.73 per thousand gallons.

The irrigation rates will also start at a higher tier, with the aim of incentivizing less water usage in Big Sky’s water-scarce environment. Rates have increased an average of 6 and 9 percent for water and sewer services, respectively, in the last three years, according to district financial officer Terry Smith.

For more information and to calculate the potential change in your water and sewer bill, visit bigskywatersewer.com.

EXISTING TIERS	ADJUSTED RESIDENTIAL TIERS	ADJUSTED COMMERCIAL TIERS	ADJUSTED IRRIGATION TIERS
Tier 1: 0-60 kgal	Tier 1: 0-20 kgal	Tier 1: 0-30 kgal	Tier 1: No Flow at Tier 1 Rate
Tier 2: 60-90 kgal	Tier 2: 20-40 kgal	Tier 2: 30-60 kgal	Tier 2: 0-20 kgal
Tier 3: 90-120 kgal	Tier 3: 40-60 kgal	Tier 3: 60-80 kgal	Tier 3: 20-40 kgal
Tier 4: > 120 kgal	Tier 4: > 60 kgal	Tier 4: > 80 kgal	Tier 4: > 40 kgal



Conservancy to spend \$2.5M on Glacier National Park projects

ASSOCIATED PRESS

KALISPELL – The Glacier National Park Conservancy plans to spend \$2.5 million to support 75 preservation, education and research projects in the Montana park next year.

The projects to be funded by the park's nonprofit fundraising arm include a citizen science program that lets scientists use data collected by volunteer visitors who spread out across the vast the park. They also include the park's first social media summit and research on Canada lynx, elk, rare plants and water quality.

The \$2.5 million is an increase from the \$2.3 million the conservancy earmarked for projects in 2018.

The "Daily Inter Lake" reports the bulk of the money raised, \$1.2 million, will go to 37 preservation projects. Another \$865,000 will go to 25 education projects and \$500,000 will be earmarked for 13 scientific research projects.

Broadband connectivity makes progress in state schools

EBS STAFF

HELENA – In October, a report released from EducationSuperHighway announced that 100 percent of Montana's K-12 students now have access to high-speed broadband in accordance with the Federal Communications Commission's minimum goal. This is up from 78 percent in 2015.

Montana schools are also making significant progress toward the FCC's long-term bandwidth goal of 1 Mbps per student. In Montana, 64 percent of schools upgraded to scalable infrastructure since 2016. The work to upgrade the remaining 62 schools continues, as having scalable infrastructure in place enables schools to keep up with growing bandwidth demand due to increasing digital innovation in K-12 classrooms.

Marshals arrest escaped Montana inmate on run for week

ASSOCIATED PRESS

BUTTE – An inmate who escaped from a county jail in western Montana is back in custody after a week on the run.

The "Montana Standard" reports that U.S. Marshals arrested 27-year-old Tory Gee of Sheridan on Oct. 18 on a farm outside Charlo north of Missoula after a foot chase.

The U.S. Marshal for Montana, Rod Ostermiller, said authorities had received a tip that Gee might be hiding in an outbuilding there.

Gee escaped from the Jefferson County jail on Oct. 11 and is suspected of stealing two pickups while he was at large.

He was arrested on Aug. 17 on suspicion of assault with a weapon while on probation and has previous convictions for assault with a weapon and burglary. He is registered as a violent offender in Montana.

Upper Hyalite Road to be paved

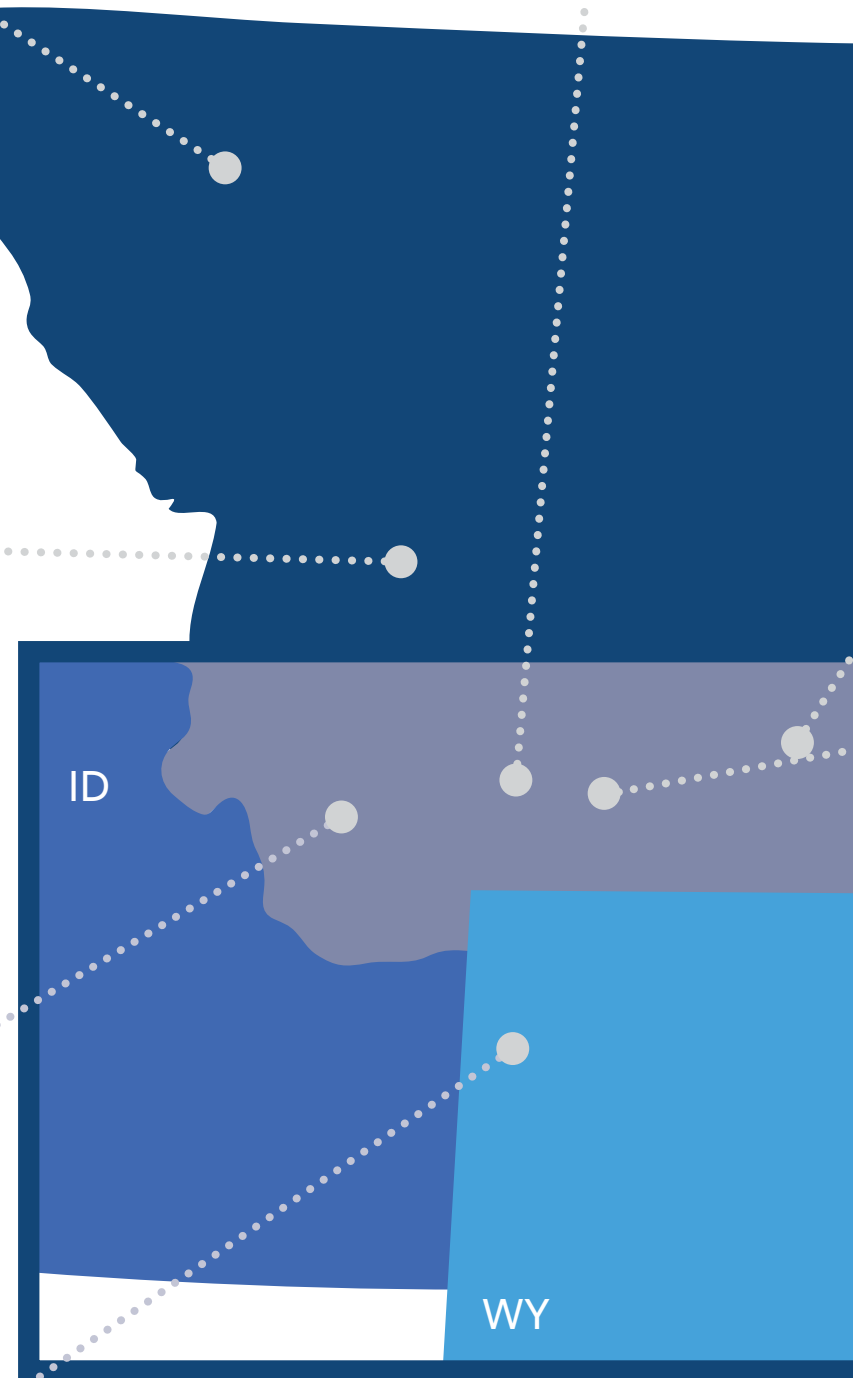
CUSTER GALLATIN NATIONAL FOREST

BOZEMAN – Beginning this fall and continuing through summer of 2020, the Upper Hyalite Road will be reconstructed and paved from the dam at Hyalite Reservoir to the Y where the road heads north to Palisade Falls/East Fork Hyalite.

The project, which is to start at the end of October, is aimed to provide for greater protection of Custer Gallatin National Forest recreational corridors in Montana. It will also decrease runoff and sediment in the local municipal watershed and decrease long-term maintenance demands.

Those heading up to Hyalite this fall should expect delays of up to 30 minutes associated with the road work on the right-of-way and in a short section close to the Chisolm day use area.

The majority of work will occur next spring and summer of 2020.



Yellowstone National Park Lodges Achieves BEST Certification



Solar panels are installed on one of Yellowstone National Park Lodge's buildings as a part of their sustainability program. PHOTO COURTESY OF YELLOWSTONE NATIONAL PARK LODGES

YELLOWSTONE NATIONAL PARK LODGES

JACKSON, Wyo. – Xanterra Travel Collection's Yellowstone National Park Lodges has achieved the Business Enterprise Sustainability Tier (BEST) level of sustainability performance. The standards in the BEST program are rigorous and cover environmental, community and economic sustainability.

Yellowstone National Park Lodges is the first to achieve this party sustainability certification at the Enterprise level. The Riverwind Foundation, the originator of the BEST program, is coordinating a program to help Lodges achieve this certification.

The Riverwind Foundation is coordinating a program to help Lodges achieve this certification and unify the programs, policies and practices for environmental stewardship, social responsibility and economic vitality in Teton County, Wyoming after the Town of Teton County passed a resolution in April 2017 for "Jackson Hole to be a world-leading sustainable destination."

Study finds US public land workers facing assaults, threats

BY MATTHEW BROWN
ASSOCIATED PRESS

BILLINGS – Federal employees overseeing U.S. public lands were assaulted or threatened at least 360 times over a five-year period marked by heightened tensions with anti-government groups and dwindling ranks of law enforcement officers, a congressional watchdog agency said Oct. 21.

The Government Accountability Office in a new report highlights anti-government tensions that at times have boiled over, including a six-week armed occupation of a federal wildlife refuge in Oregon in 2016 and other standoffs with armed protesters in Montana and Nevada.

The clashes have been rooted in a deep distrust of government on the part of the protesters, who view the federal bureaucracy as unlawfully impeding people from using public land for grazing, mining and other economic purposes.

The incidents investigators cataloged during interviews with federal workers ranged from threatening phone calls and gunshots fired over the heads of employees, to the stabbing of a Bureau of Land Management worker outside a federal building.

First all-female spacewalking team makes history

BY MARCIA DUNN
ASSOCIATED PRESS



NASA astronauts Christina Koch (right) from Livingston, Montana, and Jessica Meir put on their spacesuits as they prepare to leave the hatch of the International Space Station and begin the historical first-ever all-female spacewalk. PHOTO COURTESY OF NASA

LIVINGSTON – The world’s first all-female spacewalking team made history high above Earth on Oct. 18, replacing a broken part of the International Space Station’s power grid.

As NASA astronauts and close friends Christina Koch, from Livingston, Montana, and Jessica Meir successfully completed the job with wrenches, screwdrivers and power-grip tools, it marked the first time in a half-century of spacewalking that men weren’t part of the action. They insisted they were just doing their job after years of training, following in the footsteps of women who paved the way.

Spacewalking is widely considered the most dangerous assignment in orbit. Italian astronaut Luca Parmitano, who operated the station’s robot arm from inside during Friday’s spacewalk, almost drowned in 2013 when his helmet flooded with water from his suit’s cooling system.

Meir, a marine biologist making her spacewalking debut, became the 228th person in the world to conduct a spacewalk and the 15th woman. It was the fourth spacewalk for Koch, an electrical engineer who is seven months into an 11-month mission that will be the longest ever by a woman. Both are members of NASA’s Astronaut Class of 2013, the only one equally split between women and men.

Wyoming’s economic growth may be slowing down

ASSOCIATED PRESS



CASPER, Wyo. – A new report indicates Wyoming’s economic growth has started to show subtle signs of slowing.

The quarterly report published by the state’s Economic Analysis Division shows coal and natural gas production in the state continues to falter even though statewide employment rates have remained strong.

State economist Jim Robinson tells the “Casper Star-Tribune” that economic growth has been limited to construction involving pipelines, wind power transmission lines and roads.

Robinson says oil production remains strong, increasing 17 percent as of July. But he says it has accounted for no additional job gains this year, compared to last.

In terms of overall mining activity, the industry reported the largest loss of jobs compared to other sectors.

This year, the state produced 9 percent less coal than it did by this time in 2018.

Native tribes adding to buffalo herd on Wyoming reservation

ASSOCIATED PRESS



CC PHOTO

CASPER, Wyo. – The Wind River Reservation in Wyoming is experiencing an increase in buffalo as two Native tribes attempt to re-establish a herd of the animals.

The “Casper Star-Tribune” reported Oct. 20 that the Northern Arapaho Tribe brought its first 10 buffalo to the reservation last week.

Officials say the reintroduction of buffalo to Wind River follows an absence of more than 130 years. Buffalo once numbered between 30 million and 60 million in North America but were nearly exterminated by overhunting and habitat loss.

The Northern Arapaho share the reservation with the Eastern Shoshone Tribe, which has increased its wild buffalo herd to 33 animals since reintroducing them in 2016.

Crystal C’Bearing of the Northern Arapaho Tribal Historic Preservation Office says the yearling buffalo came from the National Bison Range in Montana.

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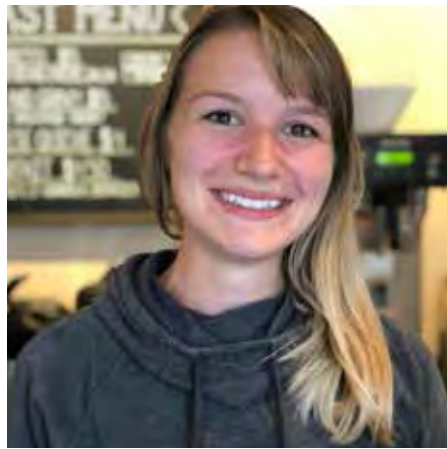


With Halloween fast approaching, what are you planning on wearing as a costume and why?



Annika Severn-Eriksson
Big Sky, MT

“I will not be wearing a costume; I will be going to ski on Halloween.”



Amanda Denune
Bozeman, MT

“I think every year I dress up as Mother Nature. Just because it’s pretty and fun to put together with some flowers and leaves.”



Olivia Unemori
Big Sky, MT

“I would be a cheeseburger, because I love the song “Cheeseburger in Paradise” by Jimmy Buffet. And I would be a cheeseburger in paradise.”



Matt, Dani, and Declan Zaremba
Big Sky, MT

“We have a family costume. I will be a Lion. Dani will be a Tiger. Baby Declan will be a Bear. Lions and Tigers and Bears, Oh My!”

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Explore **Big Sky**

Gallatin County Sheriff's Deputy dies in line of duty

EBS STAFF

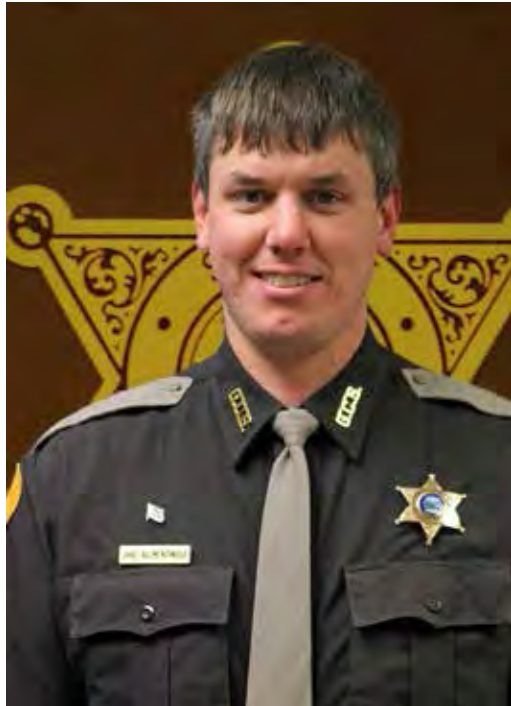


PHOTO COURTESY OF GALLATIN COUNTY SHERIFF'S OFFICE

BIG SKY – The Gallatin County Sheriff's Office lost one of their own in the line of duty on Saturday, Oct. 19.

According to a press release from the GCSO, deputies Jake Allmendinger and Ryan Jern were responding in the same vehicle to a welfare check of a stranded motorist report on Fairy Lake Road in the Bridger mountain range at approximately 6 p.m. A storm coming through the area had created icy road conditions. As they were driving up to try and locate the motorist, their patrol vehicle began to slide backwards.

Sometime during the slide Allmendinger exited the driver's side of the vehicle and became trapped under the Chevy Tahoe.

Jern attempted immediate assistance but was unable to save his partner. Members of the Sheriff's Office, Search and Rescue, Montana Highway Patrol, American Medical Response and Bridger Canyon Fire helped with bringing Allmendinger from the scene to Bozeman Health Deaconess Hospital.

Jake, 31, is survived by his parents Ron and Michelle Allmendinger, wife Monica, and children Bentley, Lexi and Kai. Jake was a dispatcher with Gallatin County 911 for over seven years, a Search and Rescue volunteer for eight years and has been a deputy sheriff since September 20, 2017.

Gallatin County Sheriff Brian Gootkin held a press conference at 2 p.m. on Sunday, Oct. 20 in the Gallatin County Detention Center community room where he declared the tragic event a line-of-duty death that will be treated as such by this office.

That morning, the Gallatin County Sheriff's Office was joined by 14 other law enforcement and fire responder agencies in escorting Deputy Jake Allmendinger to the state medical examiner's office in Billings.

"We haven't left Jake's side and we won't. This escort is about showing our respect for one of our own who died in the line of duty," said Gootkin from the podium.

For those looking to help, a fund for the Allmendinger family has been set up through the Montana Sheriffs and Peace Officers Association. No other donation organizations are approved by the family and no one will contact you asking for money. The GCSO encourages folks to donate monetarily rather than with food or other items to best ensure their donations are used most effectively and don't go to waste.

Monetary donations can be made in the following ways:

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Helena, MT 59624

Phone: Call MSPOA and pay with credit card.
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Online: Donate on the web page: <https://www.mspsoa.org/donate>
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News from our publisher, Outlaw Partners

New hires bolster Outlaw editorial, distribution teams

EBS STAFF

Brandon Walker

Small towns mean a lot to Brandon Walker. That's because the 23 year old grew up in Marshfield, Vermont, where the total population peaks just over 1,500 people.

"I lived at the dead end of a dirt road," Walker said. "My grandma was my closest neighbor. You get this sense of community where you're not just another person in the day when you pass someone in the street."

In a town like Big Sky, this sort of appreciation for community transfers nicely. Walker will tap into that small-town spirit and his major in electronic journalism arts, which he earned at Northern Vermont University, in his post at Outlaw distributing the Explore Big Sky newspaper and covering local sports.

"I just love how appreciative everyone is to have someone there reporting on the games," Walker said. Walker, who got his first taste of professional sports journalism on a regional, New England sports TV program, went on to say, "they thank me and I get to do something I enjoy."

Walker will also be assisting with the distribution of Outlaw Partners' print media, which includes EBS, Explore Yellowstone and Mountain Outlaw magazine.

Favorite Sports Team: New York Yankees – "Everyone was against me in school."

Favorite Film: "Free Solo"

Favorite Food: "Macaroni and cheese—the homemade version my mom gave me before playing in sports games."

Favorite Writer: Gary Paulsen ("Hatchet," "Winter Room," "Dogsong")



PHOTO BY MICHAEL SOMERBY

Kirby Grubaugh

Kirby Grubaugh, 28, had one of those "Aha!" moments growing up watching snowboarding movies and reading snowboarding magazines—he could combine his passion for carving slopes with the art of mountain sport photography.

"It got a lot of wheels turning for me on what I could do with a camera," said Grubaugh, who will be assisting Walker with distributing Outlaw's print media and also shooting photos and helping on the social media front.

The Kennewick, Washington native's passion for capturing the moment has become a passion for capturing the story. And there's no more natural place for a storyteller in Big Sky than within the ranks of Outlaw Partners' editorial team, where Grubaugh will be assisting with the company's social media needs as part of an evolving digitally enhanced media strategy.

"I'm excited to tell the stories that are out there, aren't being told, and should be," he said.

Why live in Big Sky? The answer lies all around us, and goes beyond an epic hill just a 10-minute drive from Town Center.

"I previously worked with underprivileged and at-risk youth as well as adults with Peak Seven Adventures out of Spokane," Grubaugh said. "I knew I liked the outdoors, knew I liked people, and I want to try and play for the rest of my life."

Strong community in Big Sky? Check. Natural playground? Check. Grubaugh is looking forward to pairing the two essentials with his passion for storytelling.

Favorite Sports Team: Seattle Seahawks – "Everyone where I'm from is a fan."

Favorite Film: "Hesher" – "It's kind of a [heavy] metal, independent film with Joseph Gordon-Levitt and Dwight Schrute [Rainn Wilson] from 'The Office.'"

Favorite Food: "A homemade rib eye cooked over the fire, with a red wine reduction, asparagus and home-style potatoes."

Favorite Writer: Wes Anderson – "I really like the one with the Boy Scouts ... 'Moonrise Kingdom.'"



PHOTO BY MICHAEL SOMERBY

As the Outlaw Partners editorial department nears the release of the Winter 2020 edition of Mountain Outlaw magazine, we at EBS look to share some of the best stories from that cherished sister publication as it heads into a celebratory phase—10 years running, and strong. Enjoy. —EBS Staff

Of Pride and Progress Forty Years in Yellowstone

BY STEVEN FULLER

If you came to Yellowstone National Park when it opened in 1872, you would have built a house here: On the Grand Canyon of Yellowstone overlooking the Yellowstone River, its famous waterfalls tumbling hundreds of feet over the cliffs. I have lived here, in the isolated Canyon winterkeeper's house, since 1973.

The house appears in old tinted postcards behind the Canyon Hotel, an architectural spectacle when it was built in 1910, its perimeter measuring one mile. After World War II the National Park Service determined it obsolete, and the hotel was condemned. In August 1960 it caught fire and burned for two weeks.

The fire was declared accidental, but in 1975 an old timer knocked on the door of my cabin, the only landmark left from his time in Yellowstone. We had coffee. When I asked if he was here when the hotel burned he said, "Here? Hell, I poured the kerosene!"

This house has been the Canyon winterkeeper's for more than a hundred years. Since the 1880s, winterkeepers have been employed as caretakers to shovel snow off roofs of hotels closed for the long winters. I was the only applicant when I was hired in 1973. My wage was \$13.25 a day.

The park looked after us. That first winter, they gave me a worn-out Johnson snowmobile. But when my wife Angela was hauling garbage, the throttle on the machine stuck and she fell off near the 1,200-foot canyon rim. Later, while I was riding it, the bicycle-style handlebars broke off in my hands.

A winterkeeper is "the toughest job in Wyoming," Jerry Bateson, a retired winterkeeper, told me. I never thought about that until one winter when I had no snowmobile at all. I skied a mile to and from work carrying two shovels, a six-foot snow saw, and a 10-foot ladder on my shoulders from one building to the next.

The nearest neighbors lived on Yellowstone Lake, 17 snowmobile miles south: a ranger, his wife, and two winterkeepers, one known as Silent Joe. Otherwise, we had to snowmobile 34 miles to Mammoth or 40 miles to West Yellowstone to visit anyone. And it was questionable if the snowmobile would make it there, let alone back home.

Every fall we cached the supplies needed for the next five months by the case or the 50-pound bag. We baked bread, brewed beer, sprouted beans, and used powdered milk. Our mail arrived in a big canvas sack once every month or so. I listened by short wave radio to the BBC. Power outages were frequent and could last as long as two weeks. Those nights were lit by candles and Coleman lanterns.

All living winterkeepers have testified their time here was the best in their lives. One winterkeeper, circa late 1940s, visited me shortly before he died. He said he killed a grizzly bear off the front steps and poached deer to supplement the meager wages winterkeepers have always been paid.

Grizzlies are still common here. When Angela and I moved in, hundreds of nails had been driven through the back door so the protruding points would tear a bear's paws if it attempted to claw its way inside. I witnessed this defense firsthand on Oct. 5 during our second winter.

Angela who was eight months pregnant, our young daughter Emma and I were enjoying a dinner of elk stew when we heard a commotion at the small kitchen window. A huge, pig-eyed grizzly head intruded into the room.

My family fled the kitchen while I advanced to shoo the bear away, a difficult task since this occurred years before pepper spray was available. I first tried an ancient .22 pistol (would not fire); considered shooting a 12-gauge shotgun over the bear's head (damage to kitchen wall too significant). I made a long pole with two prongs wired to an electrical outlet, the idea: shock the bear while it was stuck in the window (not sure this was a good idea). Later,



The 309-foot lower falls located at the head of the Grand Canyon of the Yellowstone River. At 8,000 feet in elevation, snow can come any day of the year. PHOTO BY STEVEN FULLER

I tried ammonia-filled balloons (no noticeable effect on the bear). I joined the family and we bailed out a window.

I radioed the ranger at Yellowstone Lake. The bear was trapped and released 40 miles northeast of Canyon, but two nights later it was back trying to claw its way through the walls. Trapped again, she proved to be an elderly, underweight female unlikely to survive the winter. Ultimately, she was euthanized.

Things have changed in the 41 years I've lived here and I'm now one of two winterkeepers left in the park. In summer 2014, Canyon was open 111 days. In the 1970s, the season was 70 days long and otherwise quiet, rarely visited. The surrounding region had far fewer people than now and highways to the park were slow. Cars were less capable.

Salt Lake City International Airport is now only six hours away by rental car and regional towns have become cities. Big Sky is a world-class destination and the tiny Bozeman airport of the early '70s has grown exponentially.

Bozeman was a provincial town where local cowboys would give you a haircut if you needed one, and Budweiser and Velveeta were the closest to wine and cheese options, even within the cloistered university.

My winter life, while still challenging, is easier. Long ago, I wanted to live at the top of a mountain but have access to the Library of Congress. Now, with my Internet satellite dish, I have that connection.

Progress comes at a cost. Civilization has come to my doorstep and I now live in a box that grows ever smaller. Sometimes I wish the world was going in reverse, that "civilization" was in retreat rather than busy incorporating the last fragments of the wild and of the independent, self-reliant life I enjoyed for such a long time.

But I tasted the old wilder Yellowstone. And still I cherish the good fortune of living here.

Steven Fuller has passed much of his adult life off-road in Yellowstone and in roadless bush Africa, a combination he finds routinely complimentary. His writings, photographs, television works, and presentations have been well received on three continents.



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Moose population declining pg. 29

INSIDE YELLOWSTONE



The ghost of a glacier

A lookback at the Yellowstone Ice Cap

BY JESSIANNE CASTLE

GARDINER – Ken Pierce pulled his hat low as a katabatic wind swept fiercely down the valley. The retired geologist moved briskly, despite walking head-on into the October gale. After collecting himself at the top of a small rise, he stopped and cast his eyes to the ground.

We were standing upon an overwhelmingly barren slope, and the surface of the land was punctuated by a series of ripples as the hill descended toward the road. Amid non-native cheatgrass and sparse clumpings of rabbitbrush, large rocks protruded from the soil in long, narrow rows.

The rocks were deposited by water some 15,000 years ago as a series of glacial floodwaters 200-feet deep poured from Lamar Valley out into the Yellowstone River drainage. The volume and force of the water had its way with the land, and much like the ocean tide creates a kind of washboard in sand on a beach, the glacial water formed a series of megaripples roughly 60 feet apart.

“This is an amazing geologic feature. I call this a geewizz stop,” Pierce said. He spoke from years of research, explaining the process of glaciation in the Yellowstone range.

We were just south of Gardiner, and with Sepulcher Mountain gazing sternly upon us, we climbed from our bus parked on the side of Old Yellowstone Trail, a dirt road that meanders through a strip of Yellowstone National Park. Pierce, who retired in 2003 but continues to work as a geologist emeritus with the United States Geological Survey's Northern Rocky Mountain Science Center, was leading a class of about 20 as a part of the Montana State University Alumni Association's Wonderlust Lifelong Learning continued education program.

Entitled “Ice Age Yellowstone,” the day-long course was an immersive look at the remains of an ancient glacier that once capped a large swath of the Greater Yellowstone region.

In Gardiner, before floodwaters rushed over the land, an estimated 3,000 feet of ice claimed the drainage. Only the very top of Sepulcher Mountain in the Gallatin Range to the west and a select few pinnacles in the Beartooths to the east were free of the ice cap's hold.

Researchers believe Yellowstone has experienced a number of glacial periods over the last 2.6 million years, with the last major glaciation occurring about 20,000 years ago. Known as the Pinedale Glaciation, ice and water poured from the Washburn Range, Beartooth Plateau and over the Gallatins, ultimately forming today's landscape around the North Entrance of the park, as well as Paradise Valley.

Indeed, the unique landscape known for its thermal hot springs and geysers—not to mention, one that hosts four million visitors each year—is as much thermal as it is glacial.

Yellowstone's high-elevation volcanic plateau was an ideal site of glaciation as snow readily accumulated across the region, and the park's glaciers formed over an extended period of time as more snow fell than melted. As the snow built up, it turned to an ice cap over a large extent of Yellowstone National Park. Along its edges, the ice began to slowly move under the force of gravity and from its own weight, forming glaciers that picked up rocks, eroded the earth in some places and deposited sediment in others.

As the climate warmed and the earth transitioned into what is known today as the Holocene geological epoch, the northern outlet glacier in Paradise Valley began to recede south, leaving behind wide swaths of fine-grain sedimentation known as outwash plains, and accumulations of rock and mixed sediment that formed hill-like moraines.

From the pull off at Mallard's Rest Campground 14 miles south of Livingston, we observed the remains of Pinedale's first recession. Highway 89 juts south from Livingston across the glacier's outwash plains, dramatically visible at Mallard's Rest. With cars on the highway whizzing past, one need only look west, down off the 150-foot cut bank and into the Yellowstone River.



A map of the Yellowstone ice cap and the region's last two glaciations, known as the Pinedale and Bull Lake glaciations. The blue lines are contours in thousands of feet and the black dashes with double-pointed arrows indicate main ice divides. COURTESY OF NPS

“We're quite a bit above the Yellowstone River,” Pierce said, gesturing to the cut bank and river below. “The reason that the outwash is so thick here is that the weight of the ice cap pushed the crust of the earth down. Normally in Rocky Mountain glaciers, the outwash is about 30 feet thick.”

As the ice melted, the resulting water slowly established a route down Paradise Valley, and huge volumes of water eroded the outwash sediment, forming what we see today as a large cut bank.

The historic Chico Hot Springs are nestled within the remains of a second recession period for the glacier, as the irregular, hilly landscape, characterized by mismatched smooth and angled rocks of various sizes marks the location of the Chico moraines, where the edge of the glacial ice sat for a period of time.

Over the course of several thousand years, the Yellowstone glacier slowly diminished in size and melted ice accumulated as a lake within Lamar Valley, dammed by gigantic chunks of ice. But once enough water collected to float the ice, the lake waters were released, and a deluge swept into the Yellowstone drainage.

With ice melted and amid a warming climate, the landscape transitioned from a barren tundra to a semi-forested complex of lodgepole and Douglas fir parklands that have evolved into today's dense forests and hot and dry sagebrush desert steppe.

Water Wisdom

BY KRISTIN GARDNER
EBS CONTRIBUTOR

Over the past year, sustainability initiatives have been gaining momentum across Big Sky. After recently participating in a two-day workshop on sustainable tourism and the inaugural meeting of the Big Sky Sustainability Committee, I have been ruminating on water sustainability in Big Sky. What does water sustainability look like for a growing mountain resort community, which greatly depends on the availability of water in all its forms? How can we make water management decisions today without compromising the water needs for future generations?

I believe the answer lies within the holistic approach: One Water. One Water promotes managing water in ways that are in harmony with the natural flows of water through watersheds. One Water recognizes that all water has value—the water in our rivers, lakes and aquifers, as well as the water we drink, the water produced from wastewater treatment, and the water that runs off of our residential developments, trails and golf courses. These interconnected water resources can and should be managed carefully to maximize benefit to the entire watershed.

Examples of innovative water management solutions that maximize watershed benefit are becoming more prevalent across the United States. Soda Springs Mountain Resort was the first ski resort in California to make snow with highly treated wastewater effluent, which then recharges ground and surface water flows as the snow melts in the spring, thus preparing the ski resort for climate change. Austin Central Library in Austin, Texas, collects both rainwater and the water that drips off of air conditioning systems, and then uses that water to irrigate the library’s landscaping and to flush toilets.

Integrating natural and human-influenced water systems breaks from the traditional siloed approach of managing water supply, wastewater and stormwater. Instead, all of these urban water flows are recognized as potential resources to sustain our rivers and aquifers. Healthy rivers and aquifers depend on abundant clean water that is directly and indirectly affected by how we manage our urban water flows.

One Water

An integrated approach to secure the future of water in Big Sky

In Big Sky, we already have some examples of One Water approaches to water management. Wastewater effluent from the Big Sky Water and Sewer District and Yellowstone Club is used to irrigate our local golf courses and community park. Purple pipe, a special pipe that transports treated wastewater, is being installed in Town Center to irrigate residential and business developments. Instead of potable water being withdrawn from our aquifers for irrigation, that water remains in the ground to slowly replenish our rivers and drinking water supplies. It’s a win-win-win.

But, we could do better to fully embrace the idea of One Water. Our community is inherently connected to the water cycle. The snow we ski becomes the whitewater we float, the riffles we fish and the water we drink. We need to prioritize innovative solutions that meet the water needs of the river, our growing community and future generations.

Many of these solutions are outlined in the Big Sky Sustainable Watershed Stewardship Plan. For this to come to fruition, we will all need to think outside of the box and beyond our own organizations and property boundaries when we consider water resource planning. Together, we can and must build a sustainable water future for Big Sky.

Kristin Gardner is the executive director of the Gallatin River Task Force.



GRAPHIC COURTESY OF ONE WATER LA

What does integrated-water-resource management look like?

- Wastewater effluent is recycled to augment groundwater for drinking water or surface water supplies at critical times of need
- Stormwater is designed to soak into the ground, where it is filtered and adds to the drinking water supply or supports healthy river flows
- Drinking water supplies are optimized through efficiency and conservation leaving more water in the river

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Seeking a sustainable alternative to the future

Big Sky's new Sustainability Committee

BY JESSIANNE CASTLE

BIG SKY – By the mid-century, temperatures in Montana are expected to be 4.5 to 6 degrees F warmer in Montana and the Gallatin Valley is projected to be around the size of Minneapolis, with a whopping 420,000 residents.

These stats, gathered by the Montana Climate Assessment and Bozeman's Headwaters Economics, beg for action today and communities with an outdoor predicated economy just might need to look to the winds of change in order to survive.

Definitions

In Big Sky, with its robust economy driven by skiing and outdoor recreation, where the Big Sky Chamber of Commerce reports tourism and hospitality make up 70 percent of the community's employment base, a cohort of organization and business leaders are looking to the future in order to develop a resilient Big Sky today.

On Oct. 17, a 15-person panel comprising the Big Sky Sustainability Committee met for the very first time as a first step toward creating a community-wide plan of action.

"It's so important in Big Sky not only because of how beautiful the landscape is, but also because we're unincorporated it can be harder to push initiatives through," said Josh Treasure, the chairman of the committee and manager of Roxy's Market. "We're excited for community involvement and to make Big Sky a more beautiful place."

The committee will convene once a month with the next meeting slated for Nov. 21 at 3 p.m. at the Visit Big Sky office.

The group was organized by VBS and the inaugural meeting followed a sustainability training at Bridger Bowl Ski Area on Oct. 9-10. The training was taught by Kim Langmaid, founder and vice president of sustainability programs at the Walking Mountains Science Center in Vail, Colorado. Langmaid also spoke in Big Sky during a Sustainability Lunch and Learn event on Oct. 11 that focused on the ways other mountain resort communities are launching sustainability initiatives.

"I think as we talk about sustainability for Big Sky, it's how do we maintain our ecosystem," said Big Sky Chamber of Commerce and VBS CEO Candace Carr Strauss, who attended the sustainability training.

She added that a holistic approach is necessary, one that incorporates environmental, social, cultural and economic sectors of a community. We need to be economically sustainable, environmental stewards, support behavioral health and provide housing, she said. "If our people can't afford to live here and it's just second homeowners and visitors, then we've eroded the fabric of our community."

In 2017, VBS asked Big Sky residents to name the vital elements of the community and overall needs as a part of the Big Sky DNA Study. "And we heard loud and clear the need to balance outdoor recreation and the consumption of this place, by visitors and residents alike, with respect, stewardship and preservation of place," Carr Strauss said.

Getting on the same page

First steps for the Sustainability Committee will be to assess current sustainability efforts as a means of getting the entire community on the same page.

"I think there are pockets of people doing things throughout the community," Carr Strauss said, giving examples like Outlaw Partners, Moonlight Community Foundation and Rotary Club of Big Sky's effort to eradicate single-use plastic at community events, or a large composting initiative going on at the Yellowstone Club.

Once the committee has a better understanding of the smaller-scale actions, it will be able to consider steps on a community-wide scale. According to Treasure, some of the committee's first actions might be to reduce single-use plastics across all Big Sky businesses, install central recycling bins and to place compost bins at every local business.

In addition to preparing for the future, a Big Sky sustainability plan could also help the community achieve the Mountain IDEAL destination standard, which is recognized by the Actively Green Global Sustainable Tourism Council as a certification program for mountain resort communities that are elevating their sustainability performance, stakeholder engagement and collaboration. It's recognition a community is a global leader in sustainability, an accolade Vail achieved in 2018, making the resort the first "Certified Sustainable Destination" in the world.

To become certified, a destination must meet over 40 criteria that include making use of low-impact transportation; protection of sensitive environments like wildlife habitats, rivers and streams; regulations that prevent feeding and exploiting wildlife; and a climate change adaptation plan that identifies challenges and opportunities associated with a warming change, among others.

Moving forward

"Something like the Mountain IDEAL covers a lot of areas," said Big Sky resident Twila Moon, a research scientist with the National Snow and Ice Data Center. "It covers reducing climate change, but also relates to the community, things like affordable housing."

A woman who's made a career studying glaciers and melting ice, Moon's passion for sustainable actions is visible in her very choice to take coffee without a plastic lid.

Certainly supportive of the sustainability effort, Moon said it's important to remember that environmental sustainability doesn't necessarily equate to steps that reduce climate change. Things like renewable energy or reducing overall energy use would make for a more sustainable community while also helping to reduce climate change, but other efforts like reducing single-use plastics might not do anything for a warming climate.

While Carr Strauss said it is premature for the Sustainability Committee to make recommendations for the community, there are certainly actionable steps individuals might consider that could lessen the effects of climate change and also improve sustainability.

Moon calls the warming trend a "climate crisis," one that demands action today. "Perhaps that [phrase] helps to embody the real sense of urgency that the situation calls for," she said, adding that it's time to get beyond the cause and get to the solutions.

"There are solutions that fit every individual, organization or group," Moon said, citing carbon footprint mapping and suggestions made by the global research organization Project Drawdown. As one example, she said residents can opt to have renewable energy supplied to their home through NorthWestern Energy's E+ Green program or Arcadia Power.

"I think we're challenged in a sense that we're a tourist-dependent economy and tourism is generally a high-carbon-use space. It requires a lot of travel, people eating out, things that are not conducive to a small footprint." That said, Moon suggested renewable energy as a great way to combat the problem.

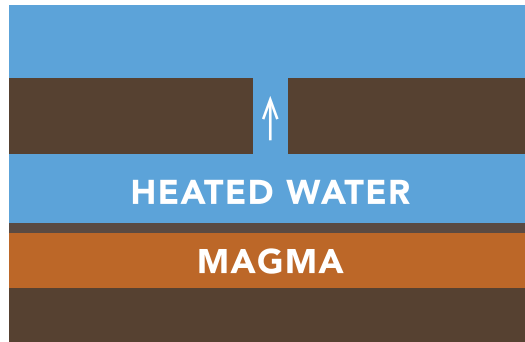
Ultimately, while individual steps are important, Moon said larger initiatives are required. "Institutional and government change has to happen if we hope to achieve a reasonable preservation of the planet. That requires people to speak up and tell government and businesses and incorporations that this has to happen."

HOT SPRINGS

IN SOUTHWEST MONTANA

WHAT IS A HOT SPRING?

Hot springs are naturally occurring discharges of groundwater that are typically heated by intrusions of magma in volcanic areas.



Heated water rises to the surface via springs, and mixes with water in rivers or shallow pools to create a pleasant soaking environment, or natural hot tub.

UNDEVELOPED HOT SPRINGS

RENOVA HOT SPRINGS



This pool, located just south of Whitehall, has a drainage pipe that needs to be blocked in order to allow the pool to fill completely. The water will cool as the pool, which is 3-feet deep, fills with water.

122°F
maximum surface temperature

Usage: Low to Moderate
Note: Check the Silver Star gauge station for water levels before going. 700 cfs is an ideal river flow to soak comfortably.

NIMROD WARM SPRINGS

Nimrod Warm Springs, located just west of the Bearmouth exit on I-90, features a deep spring pool and underwater caves. This spring is rather cool compared to other Montana hot springs.



70°F
maximum surface temperature

Usage: Heavy
Note: A great stop if you're close or driving by, but consider another hot spring for a special trip.

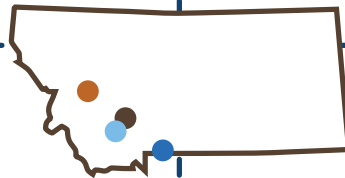
POTOSI HOT SPRINGS



Upper Potosi Hot Springs are located west of Pony. Follow the 1-mile trail from Potosi Campground. The springs are marked by a log fence. There are two small bean-shaped pools that can fit 8-10 people.

122°F
maximum surface temperature

Usage: Moderate
Note: Be sure to check out the great hiking trails while you're in this area, such as Bell Lake.



THE BOILING RIVER

The Boiling River, one of the most popular hot springs in the area, is located just inside Yellowstone National Park's North Entrance. This is one of the few locations within the park where soaking is permitted.

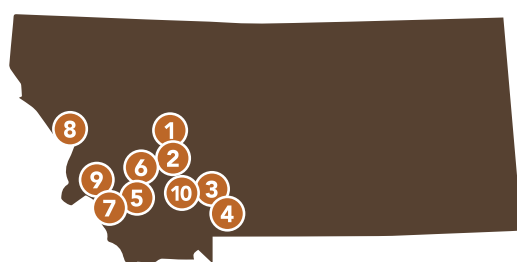


163°F
maximum surface temperature

Usage: Heavy
Note: There are some extremely hot spots in this spring, so test the water and move with caution.

DEVELOPED HOT SPRINGS

1. Broadwater Hot Springs
2. Boulder Hot Springs
3. Bozeman Hot Springs
4. Chico Hot Springs
5. Elkhorn Hot Springs



6. Fairmont Hot Springs
7. Jackson Hot Springs
8. Lolo Hot Springs
9. Lost Trail Hot Springs
10. Norris Hot Springs

THE NEW WEST



BY TODD WILKINSON
EBS ENVIRONMENTAL COLUMNIST

Imagine having Ted Turner as your business partner. George McKerrow, a big-picture thinker about ecology and economy, was hand-picked nearly two decades ago to help co-launch Ted's Montana Grill restaurants that feature bison on the menu. With nearly four dozen of the eateries in 16 states, few in Montana might realize

that the Bozeman restaurant is one of the busiest.

Not surprising perhaps, given that Turner's Flying D Ranch, where the former media mogul's relationship with bison began, is located just outside of town. Not long ago, I had a visit with McKerrow.

Todd Wilkinson: What have you learned about Ted Turner that others may not know?

George McKerrow: A lot of people on the outside are quick to be judgmental about the man. He has, at times, been rather outspoken. For me, it comes down to this: I, like Ted, have always been a bit of a renegade. We've always been willing to try new things that maybe others thought couldn't be accomplished. Ted is looking out for the betterment of the environment and the world in almost everything he does.

TW: Have you succeeded in putting bison on the map of public consciousness?

GM: We have statistical proof that wherever we put a Ted's Montana Grill and touted the healthy virtues of bison, we saw demand increase dramatically at the grocery store level. We opened restaurants from the Rockies to New York City and into corners of the Deep South. It led to a corresponding rise of public interest in bison and appreciation for them as American icons.

TW: You mentioned that among the goals of your restaurants is promoting healthy lands.

GM: The focus is on caring for the land in a way that you have healthy grasslands, healthy soils and clean water running through. Many people may not realize this, but healthy soils, grasslands and forests function as significant sinks of carbon dioxide, which is important in trying to slow the effects of climate change.

TW: You and Ted have tried to institutionalize social good at scale. Tell me how you garnered the support of the National Restaurant Association.

GM: I was on the executive board of the NRA and it occurred to me after a while that we were basically a lobbying institution and didn't really stand for anything positive as far as environmental social values. That kind of bothered me. I went to the chairman and those in leadership and said we ought to stand for something that protects the environment and benefits the lives of customers instead of only working against something such as regulations. Here we were a \$900 billion industry. I said we ought to become more environmentally conscious and less wasteful.

TW: How did you make the case?

GM: At the time, the industry used five times as much water as any other retail industry, five times as much energy, and we produced five times as much garbage and caused a tremendous negative impact on the environment. Leaders at the NRA agreed with me, and so we went to the Turner Foundation and got funding from Ted and his children for five straight years to create the "conserve movement" among restaurateurs nationwide.

TW: You've been described by leaders in the industry as a "sustainability evangelist."

GM: We've seen the industry turn 180 degrees. The moves that were implemented are responsible nationally for tons of waste never having to enter

How Ted Turner's restaurant, inspired by Montana, has caused big green ripples



George McKerrow and Ted Turner (right) co-founded Ted's Montana Grill restaurants and have helped bring green consciousness to the restaurant industry, benefiting thousands of bottom lines and safeguarding the environment. PHOTO COURTESY OF TED TURNER

a landfill, millions upon millions of gallons of water each year never being wasted, tons of material given new life as a recycled product, tons of grease never going down a drain and instead being repurposed, tons of food never being thrown away and feeding people who need it. Doing what's right benefits the bottom line.

TW: Share some more thoughts about what sustainability really means.

GM: I really believe that when it's presented as an all or nothing attitude, particularly when you are talking about environmental and sustainability objectives, you really lose the gains you might otherwise achieve. This isn't about total perfection. Ted has said that if each of us and every business did one more impactful positive thing than negative thing every day, we'd be able to solve many of the major problems in the world.

TW: How do you assess business value?

GM: Well, for one, it's smart business because it saves us money and the foundation of sustainability is economic sustainability. Being socially conscious positively affects the behavior and practices of the businesses and suppliers we partner with, and it has cemented a deeper relationship and more loyalty with our customers.

TW: What's your message to consumers?

GM: Small steps forward by vast numbers of people create change in behaviors that become large scale. We all owe it to ourselves and the next generation to protect clean air and water, make space for wildlife, and do what we can. On all the vehicles Ted drives, including his small Prius, he has a bumper sticker that reads, "Save Everything." It used to be "Save the Humans" but the fate of everything is intertwined with the choices we make. We're all stakeholders. Doing right by the environment and each other gives us sustenance for the human soul.

Todd Wilkinson is the founder of Bozeman-based "Mountain Journal" and is a correspondent for "National Geographic." He's also the author of "Grizzlies of Pilgrim Creek" about famous Jackson Hole grizzly bear 399, which is available at mangelsen.com/grizzly.



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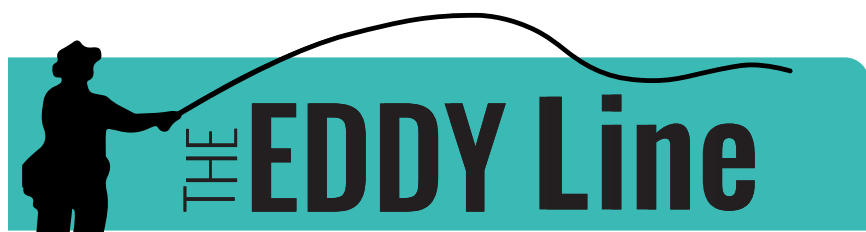
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Is it fall or winter? But, do the fish care?



BY PATRICK STRAUB
EBS FISHING COLUMNIST

With snow on the peak and days getting shorter, it is evident fall is on the outs and winter is coming. My last few guide days are on the calendar and I expect some very chilly mornings but by early afternoon my soul will be warmed as blue-winged olives will hatch and the fish will start to rise. Despite my clinging to days of casting dry flies to rising trout, soon the

focus will be on getting first chair or just how long the line might be at Yeti Dogs.

The transition from fall to winter is welcome—it is a break from the busy summer season and allows us to recharge our collective batteries before skiers show up en-masse. Fishing can still be had, and can still be quite good. With plenty of local options—Paradise Valley spring creeks, Upper and Lower Madison, the Gallatin, even the Missouri River near Wolf Creek and Craig can be worth the drive. If you're heading out to fish during the next few weeks, be sure to use some of the following tips.

Watch the weather. As the temperature swings daily, so do the feeding habits of the fish. Look for a few days of consistent weather for the best possible fishing. Weather changes are not always bad, but this time of year we typically get high winds when we shift from warm to cold or vice-versa. If the forecast calls for a gradual weather change—be it mercury up or down—consider fishing. Some of the best days of late fall fishing can occur as a cold front slowly moves into our area.

If you choose to float, plan accordingly. Just like the wind can bring in a weather change, it can also make for a cold and lousy day if you're committed to floating all day. Check the forecast, don't let cool or wet weather deter you, but do let high winds alter your plans. In nearly 30 years of floating Montana's rivers this time of year I rarely have good fishing from a boat when the sustained winds are higher than 15, or even 10, miles-per-hour.

Inquire locally. Big Sky, and the surrounding community, is blessed with plenty of world-class fly shops and outfitters. This is the time of year many of the staff fish—they are done with their busy seasons and now pursue their

passion. Check their social media accounts and websites, and stop in, nothing potentially gets you the best beta than going in to a shop and spending a few bucks.

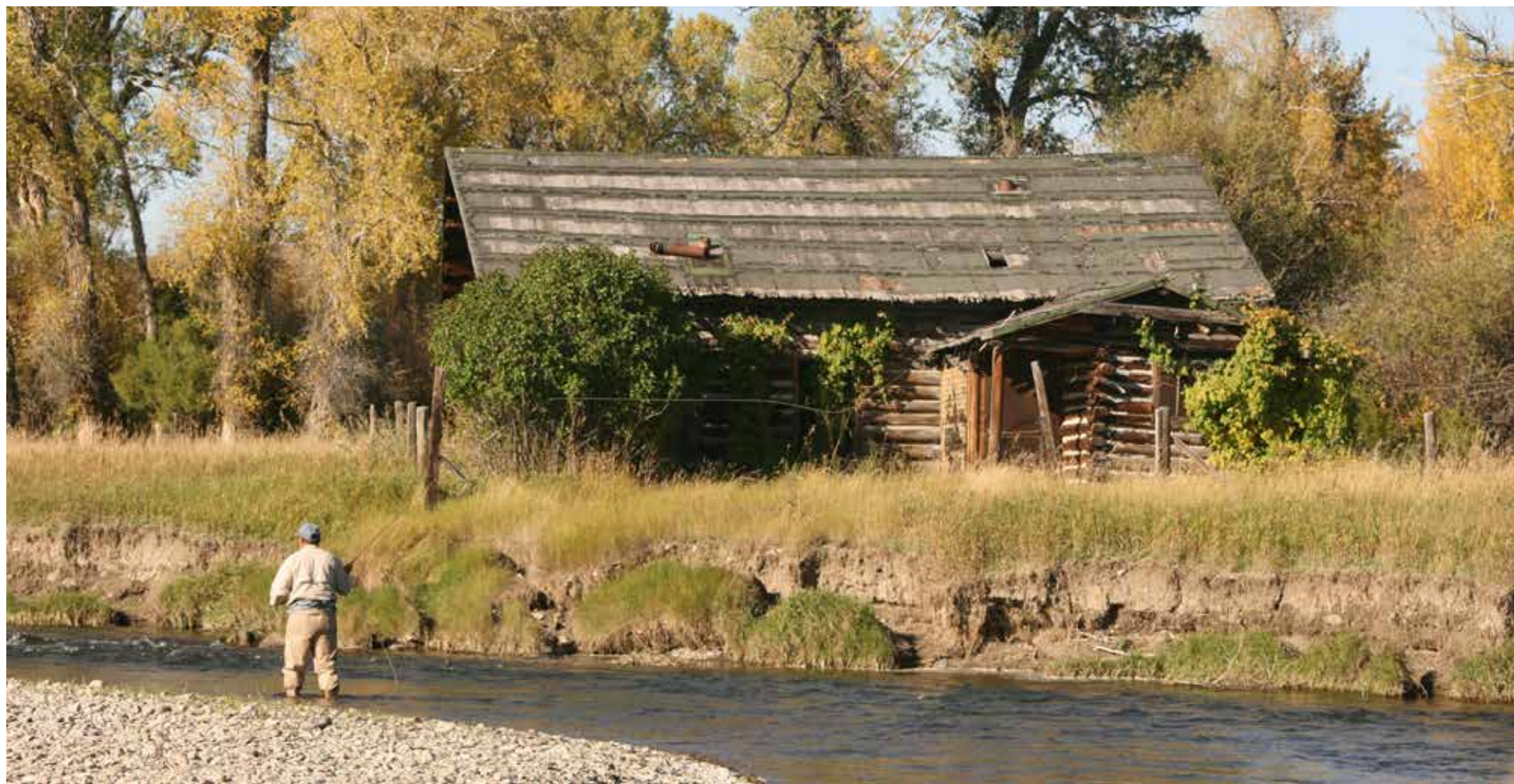
Eat a big breakfast, but pack a PB&J sandwich. With cold nights, the fishing doesn't usually heat up till mid-morning, and most often not even until early afternoon. Plan accordingly with proper clothing, but also be sure to keep yourself fueled. If the hatch gets thick or the streamer bite happens, both likely to occur mid-day and into the afternoon, don't let an empty stomach keep you from catching. Good gear can protect you from the elements, but only yourself can keep you fed.

Use a net and a catch-and-release tool. This time of year, cold and wet hands rarely warm up. By using a net and a tool you can release a fish without having to touch it, which makes the whole experience easier on the fish. A Ketchum Release tool or a quality pair of forceps will allow fish to be released without your hands getting into the water or having to touch the fish. If you do not already own either, use it as an opportunity to support your local fly shop, and be sure to get some of that local knowledge on where to go fishing.

Embrace it. If you like to fish dry flies or strip streamers, get out now, because soon you'll have to decide between double-nymph rigs with weighted flies or which line to take off Lone Mountain or make sure the grooming report is accurate if you want a cruiser.

After a summer blessed with average streamflows and relatively fish-friendly conditions, we've had a snowy fall, which means a great head start to possibly another summer season. But for now, as we look forward to what the snow piling up means for next summer, don't get the cart ahead of the horse because soon you'll be wanting to make sure you don't get too far out in front of your skis.

Patrick Straub is a 20-year veteran guide and outfitter on Montana's waters and has fished the world over. He now writes and manages the social media for Yellow Dog Flyfishing Adventures. He is the author of six books, including "Everything You Always Wanted to Know About Fly Fishing" and has been writing The Eddy Line for seven years.



As the fall season departs us there is still time to get in some more fishing before our casts turn into carves. PHOTO BY PATRICK STRAUB

SPANISH PEAKS MOUNTAIN CLUB



Royal Coachman Ranch
160 ACRES / \$5.9M



Lot 38 Bitterbrush Trail
1.27 ACRES / \$800K

BIG SKY



2005 Upper Chief Joseph
7,690 SQ FT / \$4.3M



64 Lodgepole
6,160 SQ FT / \$3.895M



30 Bitterbrush Trail
6,200 SQ FT / \$3.895M

BIG SKY - LAND



Mountain Meadows
120 Acres / \$3.495M



The Ranches at Yellow Mountain
2A-1B
526 Acres / \$5.8M



The Ranches at Yellow Mountain
Tract 3B-1
23 Acres / \$875k

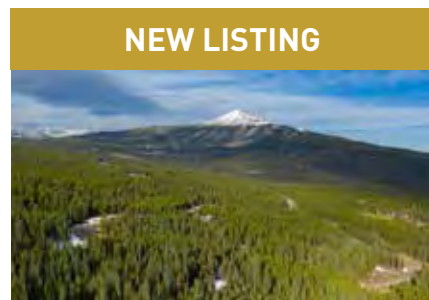


The Ranches at Yellow Mountain
Tract 1A-1
21 Acres / \$795k

BIG SKY - LAND



Lot 3 Joy Road
6.83 Acres / \$395K



Lot 71 Morning Glory
3.65 Acres / \$375K

BOZEMAN & GREATER MONTANA



SxS Ranch
Bozeman, MT
483.78 ACRES / \$7.5M

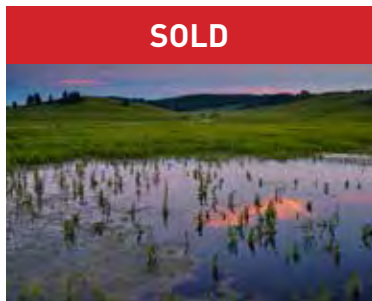


Rocking S7 Ranch Lot 4
Bozeman, MT
20.232 ACRES / \$650K

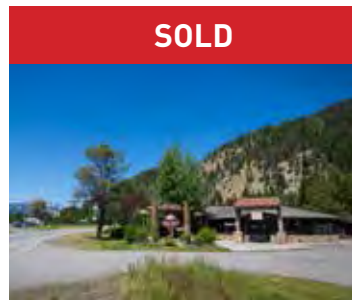


Ho...

RECENTLY SOLD



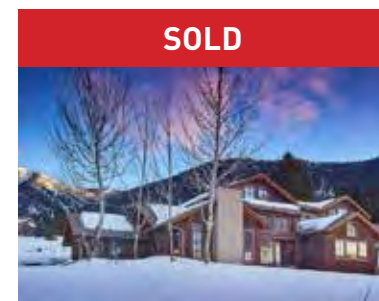
Yellowstone Ranch Preserve
List Price: \$19M



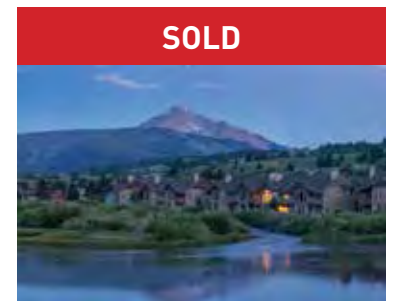
Big Sky Corner Property
List Price: \$3.24M



78 Meadow Village
Dr. Big Sky, MT
4,769 SQ FT / \$2.1M

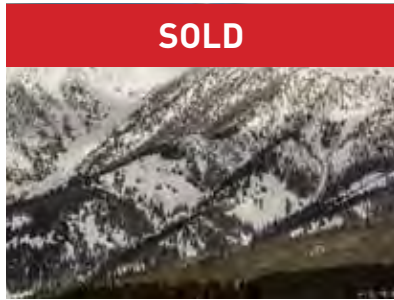


245 Rain in Face
3,446 SQ FT / \$1.695M



Crail Ranch Unit 40
List Price: \$1.35M

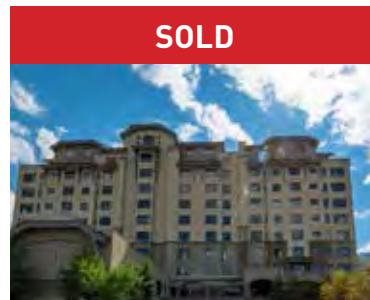
RECENTLY SOLD



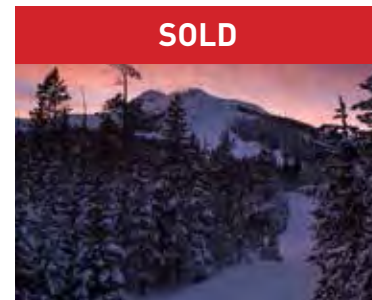
Lot 44 Diamond Hitch
1.25 ACRE / \$699K



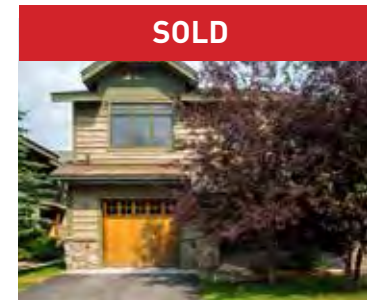
Hidden Village
15 Blue Flax Place
2,788 SQ FT / \$599K



Summit 911/912
List Price: \$595K



Lot 39 Diamond Hitch
1 ACRE / \$595K



Cottonwood Crossing #15
1,854 SQ FT / \$539K

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Beehive Basin Rd.
1854 SQ FT / \$2.9M



211 B Pheasant Tail
\$720K



Cottonwood Crossing Unit 5
1854 SQ FT / \$565K



Hill Condo 1316
770 SQ FT / \$280k



Hill Condo 1321
440 SQ FT / \$185K



Big EZ
Lot 42: \$339K / 20 ACRES
Lot 43: \$375K / 20 ACRES
Combined: \$699K



Lot 2 Big Buck Road
20 ACRES / \$480K



Lot 4 Beaver Creek
20 Acres / \$539K



Bear Paw Ponds Parcel 7
20.04 Acres / \$399K

COMMERCIAL



Homestead at the Beacon
Butte, MT
640 Acres / \$1.65M



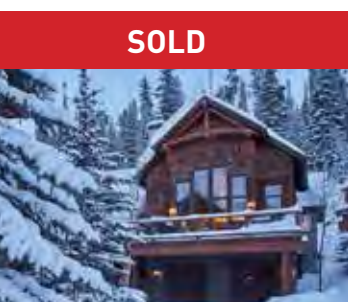
Marketplace Unit 104
Big Sky, MT
1,204 SQ FT / \$560,920



Marketplace Unit 202
Big Sky, MT
966 SQ FT / \$389K



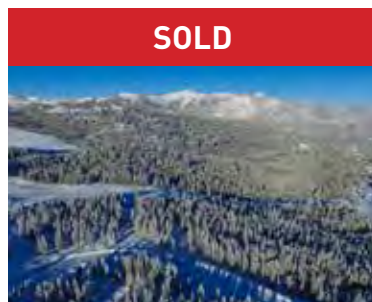
Airport Garages
Bozeman, MT
\$24.9K per unit
Taking reservations for
building G



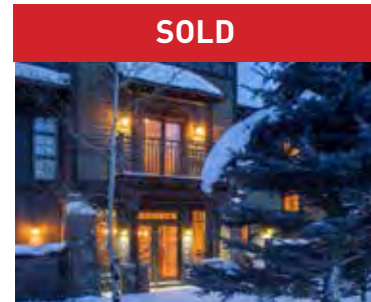
Black Eagle Lodge Unit 30
List Price: \$1.35M



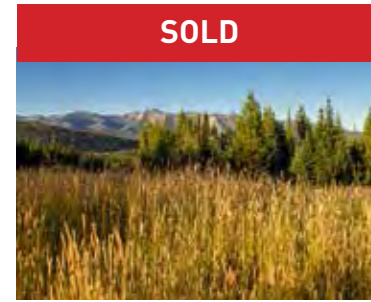
2078 Little Coyote List
List Price: \$1.079M



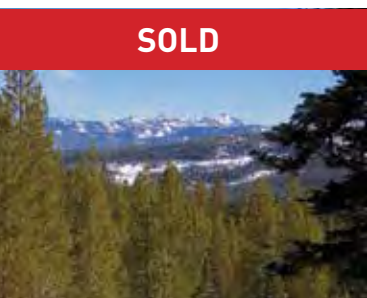
Ski Tip Lot 10
List Price: \$975K



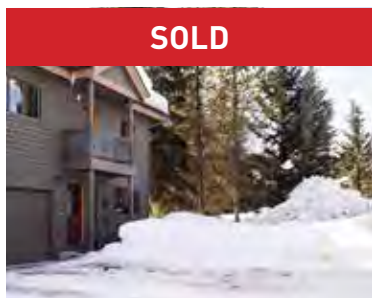
81 Pheasant Tail Ln. Unit 2
2,707 SQ FT / \$839K



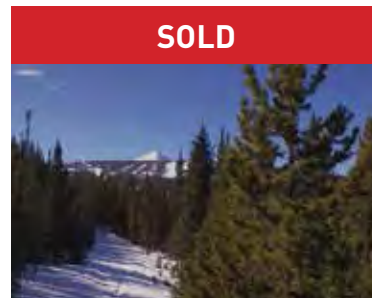
Lot 64 Goshawk
1.04 ACRES / \$775K



Lot 119 Old Barn Rd.
3.13 Acres / \$490K



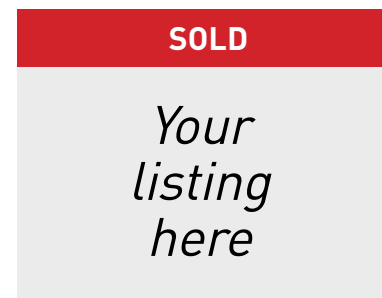
118 Rose Hip Circle
1,940 SQ FT / \$489K



Lot 63 Silverado Trail
List Price: \$390K



3170 Winter Park #B
Bozeman, MT
1183 SQ FT / \$295K



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BY SARA MARINO
EBS CONTRIBUTOR

Connecting people with recreational and enrichment opportunities is at the core of what our team does here at the Big Sky Community Organization. We work with community partners to secure easements, increase parkland and open space, build and maintain world-class trail systems and are building Big Sky's first community center. We do serious work, but that doesn't mean we don't know how to have a good time.

Oct. 24-27 marks the third annual Haunted Peaks Halloween Festival here in Big Sky. This all-ages event is filled with traditional holiday activities, live music and great fall fun.

Fun is exactly what we have in store for this weekend, and it could certainly be one of the best times of year to get out on the trails around the Meadow. This year we are teaming up with Haunted Peaks for a Geocache Mystery Challenge.

Adventurous trail users can follow clues and solve mysteries to win family-friendly prizes all weekend long. This year's theme is "Who Killed the Dirtbag Queen?" and mystery goers can meet at the Fire Pit Park on Friday, Oct. 25 at 6:30 p.m. or Saturday and Sunday at 12 p.m. to get their first clue for each day's mystery.

Prizes include gift certificates and packages from area businesses and will be awarded each day at a secret location revealed when the final clue is found.

Visit bit.ly/HauntedPeaks19 to learn more.

Haunted Peaks Schedule of Events

Friday, Oct. 25

- Horror Fest Films
Lone Peak Cinema, 2 p.m.-2 a.m.
- Geocache Mystery Day 1
Fire Pit Park, 6:30 p.m.
Follow the clues and solve mysteries to win hidden prizes all week end long. Meet at Fire Pit Park at 6:30 p.m. for your first clue.
- Halloween Costume Party
Blue Buddha Sushi Lounge, 9 p.m.-close.
Wear your best Halloween costume and get your groove on for a chance to win prizes. Dance to a live DJ, enjoy food and drink specials and more. No cover.
- Haunted Peaks Window Display Competition Day 1

Haunted Peaks Halloween Festival

Saturday, Oct. 26

- Haunted 5K Run to the Pub and Block Party
Race at Moving Mountain Fitness, 1 p.m.
Party at Beehive Basin Brewery, 2 p.m.
Rock your favorite costume and brave a 5K of terror and physical challenges hosted by Moving Mountains Fitness and Beehive Basin Brewery. Afterward, enjoy live music, food and beverages, costume contests and Halloween fun for the whole family courtesy of our East-end business.
- Horror Fest Films
Lone Peak Cinema, 2 p.m.-2 a.m.
- Haunted House
Haas Builders, 2-8 p.m.
Spooky adventures await those brave enough to enter. See polter geists, vampires, werewolves and more. Hosted by Haas Builders and all proceeds go to the Big Sky Discovery Academy.
- Yappy Hour
The Rocks, 5-6 p.m.
Costume happy hour for people and pets on the deck of The Rocks.
- Party at the Pumpkin Patch
Fire Pit Park, 7-10 p.m.
Stroll through the pumpkin patch to see live performances, gather around the fire for ghost stories and dance to our special guest DJ K7NG.
- Geocache Mystery Day 2
Fire Pit Park, 12 p.m.
Follow the clues and solve mysteries to win hidden prizes all week end long. Meet at the fire pit in Fire Pit Park at 12 p.m. for your second clue.

Haunted Peaks Window Display Competition Day 2

Sunday, October 27

- Horror Fest Films
Lone Peak Cinema, 2 p.m.-2 a.m.
- Geocache Mystery Day 3
Fire Pit Park, 12 p.m.
Follow the clues and solve mysteries to win hidden prizes all week end long. Meet at the fire pit in Fire Pit Park at 12 p.m. for your last clue.
- Haunted Peaks Window Display Competition Day 3

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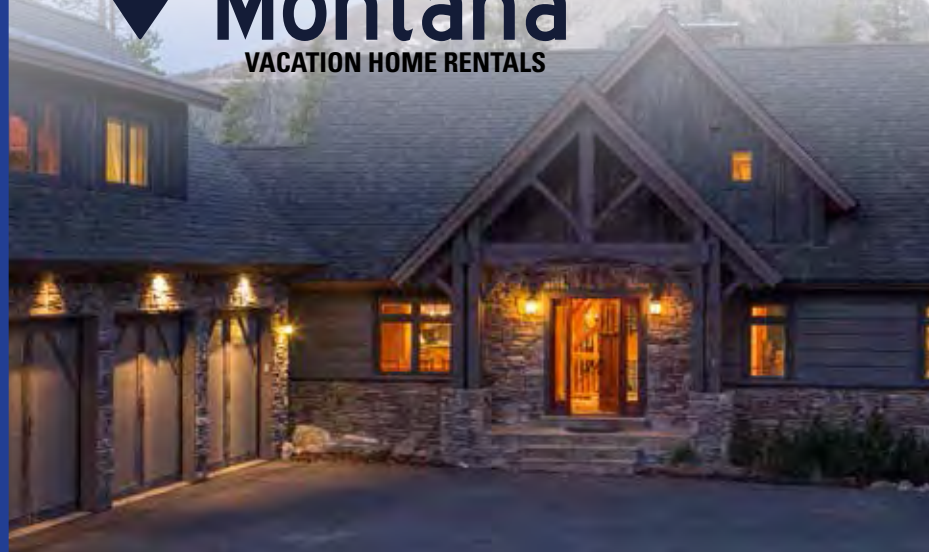
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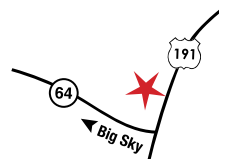


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New survey suggests improvements in Montanans' understanding of noxious weeds

BY REAGAN COLYER
MSU NEWS SERVICE

BOZEMAN – Farmers and ranchers in Montana are often intimately aware of the dangers posed by noxious weeds, but the general public's knowledge of invasive species has also increased due to education and outreach efforts over the past 25 years, according to a recent survey.

The survey follows up an initial survey done in 1994, which determined the level of public knowledge at the time in order to gauge education needs. The 2019 survey was administered by Eric Raile of the Montana State University Human Ecology Learning and Problem Solving Lab; Jane Mangold of MSU Extension and the Department of Land Resources and Environmental Science in the College of Agriculture; and Shantell Frame-Martin of the Montana Noxious Weed Education Campaign, or MNWEC.

Both surveys were funded by the Montana Noxious Weed Trust Fund, which is overseen by the Montana Department of Agriculture.

“The goal of that first survey was to gain insight into the level of knowledge that Montanans had about noxious weeds,” said Frame-Martin. “We found out that there wasn't a whole lot of knowledge, so that was when the MNWEC was formed.”

The MNWEC, housed in the Department of Land Resources and Environmental Sciences at MSU, is a cooperative effort among state and federal entities and non-governmental organizations that seeks to educate Montanans about noxious weeds, encouraging them to participate in integrated weed management.

Since 1994, the MNWEC has used billboards, pamphlets, educational classes, newspaper articles and radio and television advertisements to increase knowledge across the state. Recently, it has focused on key audiences like recreationists and hunters who spend a lot of time in Montana's natural areas and may accidentally spread noxious weeds. They also developed educational materials for real estate professionals.

Noxious weeds infest nearly 8 million acres of Montana, said Frame-Martin, and something as simple as walking or driving through a patch of noxious weeds without washing shoes or vehicles afterward can spread the weeds to areas that haven't yet been exposed. Of particular concern are medusahead and ventenata, invasive grasses that are detrimental to rangelands because they decrease the amount of forage available for livestock and wildlife.

More than 800 Montanans responded to the newest survey. Of those, nearly half reported they drive on dirt roads or across fields, 41 percent reported that they routinely go hiking or backpacking, 37 percent work outside or in fields, 24 percent fish and 17 percent hunt. All of those are outdoor activities that, without proper awareness, can spread noxious weeds.

About half of respondents, 48 percent, said that they have “little to no” knowledge of noxious weeds. While it seems like a large proportion, it is an improvement over the 1994 survey, where 67

percent of respondents indicated they knew little or nothing about noxious weeds.

However, 73 percent of respondents were able to name at least one species of noxious weed, and at least 80 percent identified loss of wildlife habitat and biodiversity, increased wildfire and loss of native plants as particularly concerning impacts of noxious weeds, showing awareness of the impacts the weeds can have.

“Everybody has the capability and capacity to help stop noxious weeds”

Nearly half of respondents said they do more now to prevent noxious weed spread than they did five years ago, which Frame-Martin said is encouraging. While all the numbers might not yet be where the researchers hoped, she said they are moving in the right direction. When it comes to environmental issues, educating people about the behaviors that contribute to the problem is critical, she said, and Montanans who know about noxious weeds are more likely to do their part to help stop the spread.

“The results that we gained are encouraging,” Frame-Martin said. “The trends in our data show that knowledge has increased.”

One of the less encouraging results from the survey for Frame-Martin was the trend of younger adults and female respondents tending to know less and show less interest in noxious weeds. But, she said, this finding will help the MNWEC adapt its educational efforts to engage those groups.

“Everybody has the capability and capacity to help stop noxious weeds,” Frame-Martin said. “We all love Montana, and we live here because of the great recreational opportunities. We need to protect those for future generations. Making sure that knowledge is out there and that everybody can do their part is essential.”



A recent survey shows that Montanans' understanding of noxious weeds and ways to stop their spread has increased over the past 25 years. MSU PHOTO

Moose population declining; change in hunting districts may result

BY BRANDON WALKER

BIG SKY – Moose populations and hunting opportunities are not what they once were in the Gallatin Canyon. Since the 1970s and '80s, moose numbers have steadily declined and Montana Fish, Wildlife and Parks has greatly reduced their harvest objectives. Between Montana hunting districts 306, 307 and 310, which encompass the area surrounding Big Sky and the Taylor Fork region, there once were 45 moose hunting licenses offered but now there are much fewer.

In 2000, only five moose hunting permits, all for antlered bulls only, were offered throughout hunting districts 306, 307 and 310. Fast forward 10 years and the districts didn't offer a single moose hunting license. The areas were reopened for hunting in 2012 and currently only one permit, strictly for a bull, is offered throughout districts 306, 307 and 310.

Bozeman Area Wildlife Biologist Julie Cunningham, of MT FWP, said the decision to reopen hunting in the area resulted after a population survey and public input.

"A winter 2011 flight showed 15 moose with more moose tracks in the area suggesting we counted a portion of what was actually there," Cunningham said in an email to EBS. "Discussions within MT FWP and with Gallatin residents and sportspersons led to the idea that if we opened the three districts together to one antlered bull license, it would retain hunter opportunity on the landscape, while keeping it at a conservative level to protect moose populations."



As the moose population in Gallatin Canyon continues on a downward trend, Montana Fish, Wildlife and Parks continues to adapt hunting policies. PHOTO BY JESSIANNE CASTLE

The downtick in moose numbers is something Cunningham has been monitoring for some time, and it's a trend common in other parts of the state as well.

"Regarding why moose numbers have declined, there are many potential factors," Cunningham said. "I've opportunistically documented moose mortalities since 2012 and have documented 17 mortalities on Highway 191. The next most common cause of death has been disease with winter tick infections and arterial worm infections."

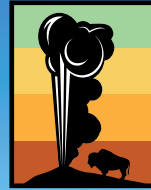
She added that MT FWP is currently conducting a state-wide research project to better understand all of Montana's moose populations.

Change may be looming, though, as the local moose population continues to shift. MT FWP has suggested to recombine hunting districts 306, 307 and 310 as part of the state-wide biennial season setting process.

"This would simplify the regulations because it would be easier for hunters to see the district number and moose license they are applying for," Cunningham said. "Instead of applying for one license good in three small areas, it would be one license good in one larger area."

The Fish and Wildlife Commission is set to review the proposal in December. If the commission were to decide in favor of it initially, it would go before the public for a formal comment period in January. After public input is received, it would be reconsidered for final approval.

Visit fwp.mt.gov/fishAndWildlife/diseasesAndResearch/research/moose/population-sMonitoring/default.html to learn more about moose populations and research.



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Tales from Afield: Learning together

BY CAMERON FRANZ
EBS CONTRIBUTOR

Being a first-generation Montanan, I don't know as much of Montana as those fifth-generation families with the homestead still on their property. However, I'm proud to be born and raised here and very lucky my grandparents decided to move here after just one visit to Yellowstone.

Coming from South Dakota, my grandfather was primarily a bird hunter, walking down old country roads waiting for the familiar beating of a pheasant's wings. So, when I wanted to go deer hunting at the ripe age of 12, he was excited but nervous given how little knowledge he had on the subject. He took the opportunity to learn with me and start a new chapter in his hunting career.

My grandfather went with me to every hunter education class, taught me how to shoot and researched the most deer-rich hunting areas every night until he fell asleep, with his readers still on. Our first season was full of mistakes but we had a blast. He'd tell stories of his upbringing and how he learned to duck hunt with World War II veterans.

When the next season rolled around, we had a treat in store for us. My good friend's dad, John, was a great hunter and had the wall mounts to show it. John had heard of how green my grandfather and I were and decided to take us under his wing and go on an antelope hunt in Forsyth. We jumped at the opportunity and sure enough, John, led us on a hunt I'll never forget.

John knew where to be, when to be there, and what the antelope would do. He might as well have been part antelope himself.

We woke up before the sun on a clear, cold fall morning. The big Montana sky welcomed us into the wilderness, cocoa, as I had yet to discover the wonder of coffee, in-hand. A short truck ride later, John had us low crawl in a dried-up

creek bed until we got to a bend. It seemed like forever for a 13-year-old kid, although thinking back now, it was probably a fifteen-minute process.

Once there, John told me to peek over the edge and take my pick of antelope. Shaking with anticipation, I slowly stood up with my rifle at the ready. As promised, about 15 antelope grazed lazily about 50 yards away. Still shaking, I chose the buck separated from the herd, aimed, fired and ducked back down.

A little perplexed, John asked if I got it. I remember seeing a puff of hair through my scope but wasn't sure my bullet had reached its target.

"I don't know, I ducked too fast!" I replied. Laughing, John stood up and gave me a thumbs up. I had made a good shot. Grandpa was ecstatic, perhaps even more than me, if that was at all possible.

It was a wonderful day. Grandpa and I couldn't have imagined a better hunt and are forever grateful.

Over the years, my grandfather's health limited him in his hunting, as well as his first love, fly fishing. But, after every hunt I would still call and replay the day's events for him. He'd laugh and give words of encouragement after I got "skunked" on a hunt. He was the father figure I needed as a young man and I learned so much from him.

My grandfather passed last year, but his lessons and stories remain a part of who I am today. I wear his wool fingerless gloves on a cool day and his stories play through my mind on every dirt road I drive. I am thankful every day that he took a risk, and moved to the last best place: Montana.

Cameron Franz was born in Bozeman, Montana, and likes hunting, fishing and making people laugh.

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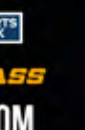
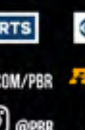
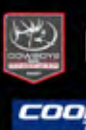
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THE LONE PEAK PLAYBOOK



LPHS football garners back-to-back milestone wins

BY BRANDON WALKER
EBS EDITORIAL ASSISTANT

Big Horns corral Mustangs

BIG SKY – It was sunny with a slight breeze as the home crowd settled in to watch the Big Horns take on the Mustangs on Oct. 12 and they didn't have to wait long for something to cheer about. The Lone Peak High School football team came out firing on all cylinders, scoring 10 seconds into the game, en route to a 50-6 victory over Ennis. This was the first time the Big Horns have been able to beat the Mustangs on the gridiron in the program's nine year history.

LPHS Head Coach Adam Farr was ecstatic for his players after the victory. "I was really excited for the players seeing as it's the first time we've ever beat Ennis in football since the inception of our program. It was a great feeling, especially for the seniors," Farr said. "They're going to enjoy that for the rest of their lives, the seniors in particular, after having been thumped by Ennis so many times before. They won't soon forget that one."

On Ennis' first play from the line of scrimmage, senior Frankie Starz intercepted Ennis sophomore quarterback Brand Ostler and returned it to the end zone for an early Big Horn lead. Starz was then able to find junior Kole Maus to convert the two-point attempt, bringing the score to 8-0. "That pick-6 by Frankie on their first offensive play of the game obviously set the tone and gained a lot of confidence for the rest of the team. They might have been lacking that since we've never beaten Ennis in the past," said Farr.

Ennis came right back and was able to find the end zone as Ostler connected with junior wideout Ian Swanson two minutes later. Ennis could not convert on the two-point try and that was as close as things would get. Lone Peak went on to score 42 unanswered points to secure the one-sided victory.

The trio of Starz, senior Austin Samuels, and freshman Pierce Farr was a force to be reckoned with all night, leading the way for the Big Horns. Starz finished the game with four touchdown passes, an interception returned for a touchdown, along with a rushing touchdown. Samuels was on the receiving end of three of Starz' touchdown throws and had an interception as well.



Big Horns freshman Pierce Farr (53) stretches for a touchdown versus the Mustangs on Oct. 12. Lone Peak defeated Ennis 50-6. PHOTO BY BRANDON WALKER.

Farr had a receiving and rushing touchdown to cap off the offensive flurry for Lone Peak.

Lone Peak put up a stout defensive performance as well, forcing four turnovers in the game. Besides the Starz and Samuels interceptions, seniors Chaz Paduano and Ryker Potter each recovered a fumble, helping the Big Horns hold the Mustangs scoreless for the final 46 minutes of play.

"We just had great pressure from the line collapsing in on a lot of those plays," Farr said. "Also, we blitzed more than we've ever blitzed, I think at least this year ... which put a ton of pressure on the quarterback while allowing the DBs to make plays on the ball because there were some errant throws due to that pressure from both the line and the linebacking core blitzing."

Adding to the excitement on the day for Big Sky residents, the Ophir Miners middle school football team defeated Ennis as well, by a score of 32-6.

Lone Peak wins thriller on the road versus Twin Bridges

TWIN BRIDGES – Athletes and fans alike live for the epic moments that play out during sporting events. From the go-ahead goal as time expires to the walk-off homerun in the bottom of the ninth inning, those moments live on and are remembered for years to come. The Lone Peak football team had their own iconic moment on Oct. 18 as they stole a win away from the Twin Bridges Falcons, 18-16 with seconds remaining on the game clock.

After trailing all game, with 48 seconds left to play in the fourth quarter, Twin Bridges took the lead 16-12 on their second passing touchdown of the game. This set the stage for Lone Peak seniors Frankie Starz and Austin Samuels. LPHS Head Coach Adam Farr described the impromptu play calls on the final drive in dramatic fashion: "the entire ensuing drive we didn't call a single play that was in our playbook or on his [Starz's] wristband. Each play he would run over to me and we would basically make the play up on the sideline as far as the route combos and who was where."

After the Big Horns quickly made their way downfield, it all came down to the final 10 seconds of play. Starz heaved up a jump ball, into a crowd of Falcons defenders, for Samuels and the 5'8" receiver was able to come down with it, putting Lone Peak ahead for good, 18-16. "Frankie threw it up and there were like five guys on Austin. He extended himself, catches it, taps two toes in with seconds left in the game to take the lead," Farr said.

This all came after the Big Horns were leading 12-0 entering the fourth quarter. A receiving touchdown by freshman Isaiah Holst, the first of his varsity career, and a rushing touchdown by Starz had Lone Peak in the driver's seat. "As a coach, I think I feel more relieved than anything. The players are obviously ecstatic. There's more than just Frankie to Austin on that drive obviously," Farr noted. "But, if there's two guys you want the ball in their hands in a situation like that, it's those two."

The victory was another first for the Big Horns, as they had previously never defeated the Falcons. With the win, Lone Peak also has a chance to put themselves in playoff contention. Now with a record of 3-4, the Big Horns will need to beat the undefeated West Yellowstone Wolverines when they host them for Senior Night on Oct. 26 in their last regular season game in order to create a three-way tie for the final playoff spot.

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LPHS volleyball hits groove heading into postseason

BY BRANDON WALKER
EBS EDITORIAL ASSISTANT

Lady Big Horns raise awareness while topping Wolverines

BIG SKY – The atmosphere inside the Bough-Dolan athletic complex on Oct. 15 was electric as the Lone Peak High School girls volleyball team took on the West Yellowstone Wolverines, but this wasn't just any match. Aside from the cross-town rivalry between the Big Horns and Wolverines, it was also "Spike for the Cure" night as the schools raised money and awareness for breast cancer treatment and screenings. Both teams and the crowd were exuberant the entire match as it seemed clear that everyone understood the night was about more than just volleyball.

LPHS Head Coach Missy Botha described the sentiment of the evening. "Every year the girls wear pink, they wear high-heels, and they make it a special day. It was nice the girls were given roses and then they were able to give those roses to their moms. It's a nice way to acknowledge their moms and bring awareness to breast cancer."

On the court the Lady Big Horns defeated the Wolverines in straight sets, 25-13, 25-18, and 25-16. Although missing junior outside hitter Reilly Germain, the LPHS squad welcomed back seniors Dounia Metje and Madi Rager. Metje was a force for the Lady Big Horns as she led them in three statistical categories with nine kills, two blocks, and tied with junior Hannah Dreisbach with five aces apiece. Rounding out the top performers for Lone Peak were junior Chloe Hammond with 10 digs and junior Ivy Hicks with 16 assists.

"We had a good crowd. They were able to pump us up a little bit. The rivalry between Lone Peak and West has always been there. It's nice to put them away in three and to do it handily. It's always nice to beat your rival," Botha said.

LPHS had the advantage over the Wolverines from the start, ending the first set with a 17-5 run. The Lady Big Horns then proceeded to go on runs of seven, six, and four unanswered points to open up the final set. West Yellowstone didn't go quietly though. In the second set they were able to fend off set point three times in a row before LPHS was able to put them away.

"It's nice that they're back at full strength. When you have your core lineup out there it lends [itself] to having a nice game" said Botha. "That was the main thing: go out there, hit away, have fun and be relentless."

LPHS volleyball soars past Falcons

TWIN BRIDGES – Neither Twin Bridges nor an early game time could slow down the Lone Peak volleyball team on Oct. 18 as they defeated the Falcons in straight sets.

Head Coach Missy Botha was impressed with her team's performance. "We were so in tune last night that it didn't matter who we played," said Botha. "It was just one of those matches where it was so fun to be a part of because everybody was just on fire."

Game time was moved ahead from 6:30 p.m. to 2 p.m., but that had no effect on the Lady Big Horns play. They won in

straight sets, 25-10, 25-19, and 25-21. This was also the first match in over a week that Lone Peak was at full strength. "It was nice to have the starting lineup out there, and like I said, it was quite a statement. The key to the match was our serving from literally every player," Botha said.

Senior Dounia Metje and junior Reilly Germain led the Lady Big Horns in serving, with five aces apiece. Junior Hannah Dreisbach paced the team with 10 kills, while junior Ivy Hicks had 28 assists. Rounding out the individual leaders for the Lady Big Horns was junior Chloe Hammond, with 10 digs.

Botha is excited about what her team is capable of as they look ahead to the postseason. "All the fundamentals and boring drills that we've been doing throughout the season, all the passing and serving, just getting our form correct, is now starting to really click. It's nice that everyone's coming together and playing the way they are," Botha said.

Big Horns edge out Wolves

THREE FORKS – The LPHS volleyball team was able to capture another quality win, their third in a row, defeating the class-B Three Forks Wolves in a back-and-forth five set match.

Entering the fourth set, trailing 1-2, LPHS was able to find another gear as they fought back to capture two sets in a row and the victory. Coach Botha noted the momentum change, "game four and five we just absolutely dominated ... these girls have a lot of heart. They just dug deep and decided that they were going to finish it. It was so cool." They won the fourth set 25-14 and the final set 15-10.

Now with a record of 10-4, the Lady Big Horns will play their final match of the regular season on Oct. 25 at home against White Sulphur Springs and the District Tournament is set to take place Oct. 31-Nov. 2.

"It was nice to be able to take that kind of a win going into the final week and then into districts. That's another thing we can, sort of, take away from that match. [It's] good prep for the pressure of the postseason," Botha said.



Lone Peak sophomore TJ Nordahl (5) spikes the ball against West Yellowstone on Oct. 15. Teammates Hannah Dreisbach (30), Ivy Hicks (24) and Madi Rager (22) look on. The Lady Big Horns won the match in straight sets. PHOTO BY BRANDON WALKER.

Future of soccer bright in Big Sky

BY DOUG HARE

BIG SKY – The Brazilian soccer star Pelé was one of the first to popularize calling soccer “o jogo bonito” or “the beautiful game.” Whether we are speaking in Portuguese or English, soccer does have its aesthetic merits—but only if played with skill, artistry, passion and ingenuity.

That is why it’s been satisfying for me to coach the U15 coed Big Sky Futbol Club team for the past two seasons. With the fall season winding down and one last tournament to play in Bozeman, I’ve been reminiscing about the progress my team has made in two short seasons: leaps and bounds.

In our first spring season as a team, goals were hard to come by, our decision-making questionable, and our ability to possess the ball nonexistent at times. Unlike American football coaches, you don’t get to call in plays or call timeouts. The goal is to create players who have an instinctive feel for the ebbs and flows of the game, knowing where the next pass should go, where they should be positioned on defense, how to run off the ball, when to attack directly and when to switch the field of play.

It’s been rewarding to see my players figure out the fundamentals of the game and how a relatively simple game, with respect to rules, offers the endless complexities and entertainment of 22 players trying to get a spherical object into a rectangular frame. For my team, players standing still transformed into a cohesive unit creating dynamic attacking chances; unnecessary turnovers turned into strategic passing that ended with the ball in the back of the net.

Across the board for Big Sky FC, coaches and parents saw significant improvement in the quality of play, not only from the previous spring season, but throughout the fall season as well.

“As a new U6 coach, I definitely felt the challenge of introducing the game to a group of 13 kindergarteners. But as the season went on, it was great watching both players and coaches develop into a team. I hope a lot of them came away with a new appreciation for the game,” Coach Kevin Daily said.

With over 120 players participating in the program, Coach Tony Coppola of the U18 coed team noted that there is now a strong pipeline of players who will eventually



Seventh grader Finn McRea’s season included battling against opponents who were seniors in high school. Playing for the U15 coed team for Big Sky FC, McRea’s (white jersey) dribbling and attacking abilities continue to develop rapidly which will make him a goalscoring threat for years to come. PHOTO BY DAVE PECUNIES

contribute to his team as they get older and more experienced with the nuances of the beautiful game.

With robust numbers of participants as a relatively new club, that pipeline will eventually open up the possibility for Lone Peak High School to petition for a varsity soccer team, or even a women’s and men’s varsity team, to compete in the Montana High School Association’s Class A division. Currently, projected enrollment numbers could turn LPHS into a class-B athletic program within two years.

“Well, it’s too early to say but that is a conversation that parents and coaches should start having. It might not happen next spring, but it would nice to see [then] seniors like our captains Sara Wilson and Evan Iskenderian representing their high school on their home field,” said Coppola, an award-winning history teacher at Lone Peak.

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Making it in Big Sky: The Wilson Hotel

Q&A WITH MANDY HOTOVY

Bridgewater, New Hampshire native Mandy Hotovy graduated from the University of Southern Maine majoring in business management with a minor in accounting. She first came out West after accepting a job opportunity in Vail, Colorado in 2010 to work for the Vail Marriott Mountain Resort.

After successfully launching SpringHill Suites by Marriott Bozeman as an Assistant General Manager, Hotovy was offered the position of General Manager of The Wilson Hotel in December of 2018 and hasn't looked back since.

Despite a demanding work schedule, Hotovy still manages to escape and enjoy the easy access to skiing and fishing that Big Sky provides. Read on to find out more about what drew her to the hospitality industry in the first place, what sets The Wilson Hotel apart, and the hardest aspects of opening and operating hotels.

Explore Big Sky: *Can you tell me a little bit more about how you got involved in the hospitality industry?*

Mandy Hotovy: I remember when I was young that my favorite part of a trip was staying in the hotels and pretending to work at the desk. Sounds silly, however that memory stuck with me and I ended up applying to work at the Portland Harbor Hotel when I was in college. My first position was working at the front desk and I've always loved interacting with guests and hearing about their experience. I'd have to say that I was hooked on the industry following that first job.

EBS: *You've been involved with opening two new hotels in less than two years. What is that process like?*

M.H.: In the beginning, it's really all about getting your systems in place, training materials, collateral, operating equipment, licenses and all the necessities in order to run a day-to-day operation. Now, the fun part begins two to three months out when you finally get to put your fearless team together. At that point, we all have an integral role in bringing the hotel to life and it's a huge sense of accomplishment for everyone when those doors open on day one.

EBS: *How were the occupancy rates at The Wilson when you opened this summer? How are they now that we are in the middle of shoulder season?*

M.H.: It was exciting to reach over 80 percent [occupancy] our second month open. Right now, we are focusing on creating awareness for the hotel and attracting groups during the shoulder season as leisure travel is not as high volume.

EBS: *What's the best piece of business advice that you've received?*

M.H.: Treat others as you expect to be treated. Respect goes a long way and communication is the number one factor for a successful team and business.

EBS: *How many employees does The Wilson currently employ? Where do they live?*

M.H.: We currently have a total of 30 employees and will be looking to increase to 45 over the winter season. The majority live in our employee housing near Town Center and a few commute from the canyon or from Bozeman.

EBS: *Marriott International is the third largest hotel chain in the world. What is distinctive about their approach to hospitality? What sets your brand apart?*



Mandy Hotovy, general manager of The Wilson Hotel, reports that the Marriott-branded hotel plans to hire 15 more employees, on top of their current 30 employees, in expectation for a busy winter season ahead. PHOTO COURTESY OF MANDY HOTOVY

M.H.: With Marriott they have created multiple distinctive brands to fit each of our guest's needs when travelling for business or pleasure. They really do pride themselves on putting people first along with their associates. Now our Residence Inn model positions itself to the "Maximizer" traveler, who is always on the go and wants their stay to have the comforts of home, upscale amenities and a social environment to fit their lifestyle. Our location says it all and provides these features and activities for our guests to take advantage of. It's the perfect brand for Big Sky visitors.

EBS: *What percentage of your guests would you estimate visit Yellowstone National Park*

M.H.: I would say it's around 80 percent of our guests in the summertime.

EBS: *Who is the most memorable guest that you've had stay so far? Why?*

M.H.: There are many memorable guests, however one couple comes to mind. They stayed with us right when we opened as her husband was recovering from surgery. It was always a pleasure to sit with them each morning and to see how the recovery process was coming along. They stayed with us for about a month and a half and they truly became a part of The Wilson family.

EBS: *Do you have a "typical" day at work? A routine?*

M.H.: Each day brings on new and exciting challenges. I would say I go in to work and first thing is to make my rounds to each department. I usually have a set plan/routine following those interactions, however within a few hours that always changes.

EBS: *What is your favorite hotel that you ever stayed at and why?*

M.H.: I really enjoy the Gaylord Palms Resort & Convention Center in Kissimmee, Florida. It's unique all around with glass ceilings in the middle of the hotel, cobblestone streets throughout and each section has a set theme and restaurant to go along with it.

EBS: *What is the hardest part of running a hotel?*

M.H.: Really making sure you find the time to work on your own projects as you do get pulled in multiple directions each day. The other difficult part is always making sure that your employees feel inspired and that we provide all the training necessary for them to grow within this career if so desired.

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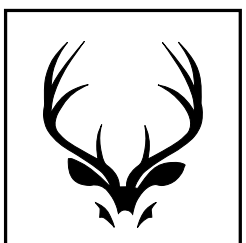
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Yours in Health

Breast cancer awareness

BY DR. ANDREA WICK
EBS CONTRIBUTOR

October is Breast Cancer Awareness Month so it's a good time to talk about the many things both men and women can do on a daily basis to keep your breasts healthy.

Here are some of my thoughts:

From a holistic-medicine approach, the majority of breast cancers are caused by environmental factors and stress.

First, let's discuss diet. The breasts are most healthy when our liver is in balance. Foods that tax the liver are caffeine, alcohol and dairy, as these foods increase estrogen levels. When estrogen is not metabolized properly, it can cause increased symptoms of premenstrual syndrome and breast tenderness. Taking a daily B vitamin and a non-ascorbic-acid vitamin C can help combat the effects of a poor diet.

Overall, it is not that foods are harmful to our bodies, but that insecticides and pesticides added to the food increase the risk of exposure to cancer-causing carcinogens.

Second, be aware of what you are putting on your skin. Since our skin is our largest organ, anything that we put on our skin absorbs directly into the blood stream. This includes cosmetics, hair products, perfumes and so on which could have chemicals such as phthalates, parabens, methyl-parabens, sulfates, teflon, toluene, formaldehyde, aluminum, red No. 3, blue No. 1 and 2, and green No. 3. The Environmental Working Group is a great tool for checking ingredients in cosmetics or skin products and seeing how toxic they are for your body. Visit ewg.org to check your products.

Third, I believe happiness is relevant to health. Why is a happy mind important to breast health? Thoughts become things and having consistent negative thoughts

can impact our health. The breasts represent nurturing, and are a way that women feed and nurture their babies. When women are not nurturing themselves and give and give to everyone else, they may risk having more stress that negatively affects breast health. Low self-esteem and unworthiness also are stress considerations with breast health.

Karol K. Truman, a health and healing guru, studied the concept of psychoneuro-immunology and believes that clearing thought patterns help to clear disease within the body, which trickles on to affect the mind, brain and immune system.

Finally, though scientific evidence has not yet proven it, there are many holistic anatomical theories that metal underwire bras cut off the lymphatic supply to the breast tissue. Bras without underwire are better options for lymphatic flow, which releases toxins from the breast tissue.

Ultimately, a healthy lifestyle can have major impacts on breast health. Biologist Bruce Lipton describes epigenetics as a "study of external and environmental factors that turn our genes on and off and defines how our cells read genes." It is important to know that our health is in our own hands, and epigenetics is a way where we can all change the way our genes are expressed through our diet, thoughts and environment.

It is wise to do a self-check breast exam once a month, at five days post-menstruation. At this stage the breast is least tender due to hormonal changes. Seventy percent of breast cancers are found through self-exams. There are several different websites and resources where you can find out how to do a proper exam. I recommend Dr. Christiane Northrup, who has great information about breast health and how to do a proper exam, as well as resources for women's health. Visit drnorthrup.com to learn more.

Dr. Andrea Wick is a chiropractor and applied kinesiologist. She graduated from Life University in Marietta, Georgia, and now practices at Healing Hands Chiropractic in Big Sky. She has a passion for holistic health care and being active in the outdoors.

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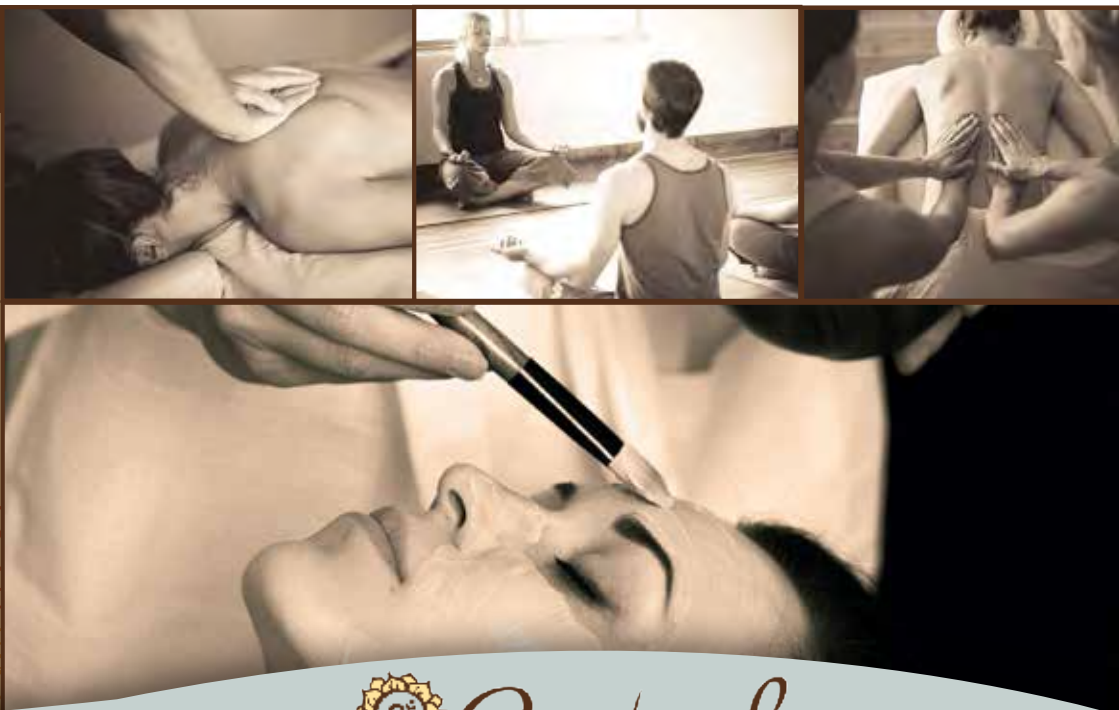
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American Life in Poetry: Column 760

BY TED KOOSER
U.S. POET LAUREATE

One of poetry's most important tools is sensory imagery, and the following poem, by Christie Towers of Massachusetts, brings in pleasurable smells, tastes and sounds to evoke a rich experience starting with what? Just a bowl of water. This poem was a semi-finalist for the 2018 Pablo Neruda Prize from Nimrod International Journal.

Sugar Water in Winter

A bowl of rose water dreams itself empty on the radiator: It's December and we can hardly afford the heat, our milk money crinkling hungry over the cold counter of our convenience store, the very last of our cash for creamer, for pleasantries, for cheap tea and cigarettes, for the barely-there scent of roses burning softly. We trade our hungers for hearth, for the clank and hiss of warmth. Small fires, these, but even we, in our clamorous poverty, demand pleasure: steal sugar, our neighbor's flowers, and never, ever are caught thankless in better weather.

We do not accept unsolicited manuscripts. American Life in Poetry is made possible by The Poetry Foundation (www.poetryfoundation.org), publisher of Poetry magazine. It is also supported by the Department of English at the University of Nebraska, Lincoln. Poem copyright ©2018 by Christie Towers, "Sugar Water in Winter," from Nimrod International Journal, (Vol. 62, No. 1, Fall/Winter 2018). Poem reprinted by permission of Christie Towers and the publisher. The introduction's author, Ted Kooser, served as United States Poet Laureate Consultant in Poetry to the Library of Congress from 2004-2006.

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<p>ACROSS</p> <p>1 Military assistant</p> <p>4 Television channel</p> <p>7 Anglo-Saxon letter</p> <p>10 Son of Ruth</p> <p>11 Cheer</p> <p>12 Christmas</p> <p>14 Mast (2 words)</p> <p>16 Middle Eastern abbess</p> <p>17 Musical instrument (string)</p> <p>18 Indian brass pot</p> <p>20 Belonging to (suf.)</p> <p>21 Saint (Sp.)</p> <p>22 Russian news agency</p> <p>24 Actor</p> <p>27 Odeon</p> <p>30 Venezuelan copper center</p> <p>31 Papal court</p> <p>32 Venetian resort</p>	<p>33 Proportionally assess</p> <p>35 Musical direction</p> <p>36 From (Scot.)</p> <p>37 Profession</p> <p>38 Summer (Fr.)</p> <p>40 Make amends</p> <p>42 Edible root</p> <p>45 Ore deposit</p> <p>47 Ploy</p> <p>49 Monsignor (abbr.)</p> <p>50 Adjective-forming (suf.)</p> <p>51 Slavic nurse</p> <p>52 Partlet</p> <p>53 Nat'l Security Agency (abbr.)</p> <p>54 Flightless bird</p>	<p>ANSWER TO PREVIOUS PUZZLE</p> <p>RAIN TORY MON</p> <p>ASC I UNAU I BO</p> <p>SHIP PLANK LEG</p> <p>PRANA BLDG</p> <p>SMALO AVI</p> <p>ARE PERCIVAL</p> <p>IRA REBEC ONE</p> <p>SAUTERNE SLOE</p> <p>COP TATAR</p> <p>GLADc APIOL</p> <p>AER ARTSTUDIO</p> <p>GAI DEAL KEEP</p> <p>ENA OAHE INRE</p>
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<p>DOWN</p> <p>1 Father: Arabic</p> <p>2 Late</p> <p>3 Central daylight time (abbr.)</p> <p>4 Sing softly</p>	<p>5 Esth</p> <p>6 Put into a scabbard</p> <p>7 Last Queen of Spain</p> <p>8 Maid</p> <p>9 Blood (pref.)</p> <p>10 Selling price equivocation</p>	<p>13 Swed. county</p> <p>15 Frisk</p> <p>19 Have (Scot.)</p> <p>21 One of the Beatles</p> <p>23 Muslim prayer</p> <p>24 Father</p> <p>25 Arrival (abbr.)</p> <p>26 Eaves (2 words)</p> <p>27 Part of golf course</p> <p>28 Gelderland city</p> <p>29 Sheep disease</p> <p>31 Hat</p> <p>34 Amer. Automobile Assn. (abbr.)</p> <p>35 Weight allowance</p> <p>37 Squash bug</p> <p>38 Tree</p> <p>39 Nonsense</p> <p>41 Giant killed by Apollo</p> <p>42 Irish writing</p> <p>43 Phil. island</p> <p>44 Candelnut tree</p> <p>46 Sea eagle</p> <p>48 Presidential nickname</p>
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No matter what you touch and you wish to know about, you end up in a sea of mystery. You see there's no beginning or end, you can go back as far as you want, forward as far as you want, but you never got to it, it's like the essence, it's that right, it remains. This is the greatest damn thing about the universe. That we can know so much, recognize so much, dissect, do everything, and we can't grasp it. And it's meant to be that way, do y'know. And there's where our reverence should come in. Before everything, the littlest thing as well as the greatest. The tiniest, the horseshit, as well as the angels, do y'know what I mean. It's all mystery. All impenetrable, as it were, right?

~ Henry Miller

BIG SKY BEATS



"War Inside of Me"

- Lost Dog Street Band

The Kentucky-based group's latest album, its fifth overall, *Weight of a Trigger*, is a ten-song collection spanning old-time music, Appalachian folk, country blues, and the ballads of lost souls all influenced by their appreciation for the punk and metal genres.

Comprised of husband-and-wife duo Benjamin Tod, vocalist and guitarist, and Ashley Mae Slippo, an accomplished fiddle player and vocal harmonist, Lost Dog Street Band formed in 2010 after years of hopping rails and living like troubadours of old, sometimes running afoul of the law.

"War Inside of Me" is a darkly uplifting ballad about addiction, destruction and the violence that results from the selfishness and pride that come along with chemical dependence. Ultimately a song about struggle, personal growth and redemption, Tod's vocals and haunting lyrics are complemented by Slippo's grimly heartfelt fiddle melodies to produce a rustic authenticity that seems to elude mainstream country music.

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SECTION 4: ARTS, ENTERTAINMENT & DINING



The history and art of the jack-o-lantern pg. 48



The artist that helped create Yellowstone pg. 51



Top 10 horror villains pg. 54

HATCH: World-changing ideas born in Montana think tank

BY MICHAEL SOMERBY

EMIGRANT – Somewhere at the intersection of a TED Talk, a think tank, a professional networking event and, in many respects, a Ken Kesey party, lays HATCH.

To reduce the event to single descriptors or with comparisons to loosely related events is near impossible, working against the very current of creative fluidity that HATCH evokes for every attendant.

And at the helm is Bozeman native Yarrow Kraner, an industry-shaking titan of forward thinking.

Having grown up in Bozeman, where he went to high school and attended Montana State University, earning degrees in film and marketing, Kraner has pocketed a remarkable wealth and breadth of accolades and experiences. He's directed Levi's commercials and projects with Dwayne "The Rock" Johnson, created the "original online community," and has been ranked among the top 100 creative people in the U.S., to name a few.

Said online community, Superdudes, founded in 1999 and which grew to over 1.5 million users at its peak, planted the seeds for Kraner's passion in facilitating meaningful networks of movers and shakers, industry shapers and the creatively minded—so following Superdudes' 2003 sale to FOX, part of a bundle with MySpace to the tune of \$580 million, Kraner put those networking principals to practice with HATCH.

"HATCH is a network of networks, it's a network of network activators. It's systems thinking, right? If we can bring in the fulcrum influencers at these different load-bearing structures in this system, and impact them and send them back out, it creates big ripples wherever they exist," Kraner said.

He terms the phenomenon "mycelium" in homage to the connective networks formed by fungi, increasingly thought to facilitate information transfer among various members of a forest and other biomes within the plant world. A naturally occurring "neuro-network" Kraner said.

HATCHers come in all shapes and sizes, interests and influences, a fact completely by design. On a "Time4Coffee" podcast interview, Kraner told host Andrea Koppel he seeks to curate an assembly of individuals that, should a meteor strike destroy the rest of the world during a HATCH gathering, the attending cohort could thoughtfully and sustainably rebuild society.

At HATCH Montana 2019, hosted over the course of five days at Emigrant's Mountain Sky Guest Ranch beginning on Oct. 13, one might be just as soon chatting with Marques Anderson, a former third-round draft pick NFL safety turned entrepreneur and philanthropist, as with Jeremiah Thomas Pate, a 20-year-old mathematician who placed college on hold to found his company that is slotted to launch not one, but 12 satellites that will revolutionize mankind's ability to detect and map subterranean resources.

Turn the corner and one might end up conversing with Kat Magill, a slam poet; John McKee, owner and founder of Butte's Headframe Spirits and Headframe Spirits Manufacturing; Mustafa Osman Turan, the deputy director general for Multilateral Economic Affairs under the Republic of Turkey's Ministry of Foreign Affairs; or Andrea Eastman, former head of casting at Paramount Pictures, where she casted for "The Godfather" and "Story," as well as represented the likes of Richard Gere, Billy Crystal, Sylvester Stallone, Burt Reynolds and Dustin Hoffman, among others.

Their reasons to attend the event, which is invite-only to maintain the sense of a responsibly-growing community and to stay at or less than 150 individuals, Dun-



The HATCH Montana 2019 stage, from which invitees presented, performed and spoke to the cohort. PHOTO BY MICHAEL SOMERBY

bar's number, a cognitive limit on the number of individuals to maintain stable social relationships, remain consistent.

"HATCH is a perfect incubator for the very best parts of humanity, what we all aspire to be—it's innovation, it's inspiration and it's conviction with a dash of empathy and compassion," said Jess Phoenix, a world renowned geologist, founder and executive director of Blueprint Earth, a nonprofit environmental scientific research organization, and a fellow of the prestigious New York City-based Explorer's Club.

"I was first invited about six years ago. I had been so focused on building businesses for the previous 30 years, I barely recognized there was a world outside," said Susan Carstensen, cofounder of Yellowstone Growth Partners and former COO and CMO of RightNow Technologies.

Now imagine that interdisciplinary assembly of humans is broken into smaller groupings, tasked with creating actionable solutions to some of society's most pressing issues through a mixed bag of values, perspectives and talents only wrought by what Kraner describes as a "diagonal" swathe of humanity represented in each. Further, the HATCH team deliberately groups individuals based on expected ability to collaborate meaningfully, through "10,684 hours of collective life force," Kraner said.

Those hours were shared between the 125 HATCHers from 10 countries forming the backbone of the 24th HATCH summit, where groups toiled over labs titled "Trailblazing a New Era of Ag," "Unlocking Compassion in Prisons," "Bio-engineering Plastics," "Equipping Young Adults" and "Leverage Points for Global Challenges," to name a smattering.

continued on the next page

On the final night, Oct. 16, the groups presented findings and solutions, seeking “asks”: imploring the non-presenting HATCHers to tap their resources—human, experiential, corporate, financial, etc.—to aid their blueprints to the point of fruition.

“We’re really cultivating a culture of reciprocity,” Kraner said.

It’s a rare sight to see adults collaborate in this manner, summoning an openness and whimsy that is usually reserved for the interactions of children, who ultimately lose that ability to the passing of time and entering into the more rigid structures of conformed adult thinking and problem solving.

Among those in attendance, forming one of HATCH’s primary cornerstones, were the “NextGens,” gifted teens and young adults making change and ripples of their own. Often, mentorship bonds are formed at the event, with an adult taking a NextGen under wing due to recognition of shared beliefs, passions and ability to inject the wisdom from their own experience into the NextGen’s work.

“They tell you to come with an ‘ask-offer,’” said Henri Solomon Stern, 20, one of the 17 NextGens in attendance and a student at Stanford University. “So my ‘ask’ was to have someone help me navigate the environmental nonprofit world ... it’s been really inspiring to be surrounded by people that have taken very diverse paths.”

“To me, HATCH means opportunity, connection, future and determination. HATCH is an experience that only occurs once in a lifetime. It is one of those experiences which offers you the opportunity to be you, and to contribute your grain of sand regardless of your age or your social status,” said Lone Peak High School student Samantha Suazo, an attending NextGen student, in a testimonial released by the HATCH team.

On that final night the HATCHers, young and old, danced to live music, closed the loop on intellectual discussions with newly made compatriots, drank and were merry, relishing in what they had gained for themselves but perhaps conceived for



Founder Yarrow Kraner, a veritable visionary. PHOTO COURTESY OF YARROW KRANER

the betterment of society as a whole.

Kraner, looking onto a throng standing by the guest ranch bar, seemed a proud parent watching nearly 17 years of maturing manifest. Five words form not only his impression, but also underscore the engine behind it all:

“The world needs more HATCH.”



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The history and art of the jack-o-lantern

BY MICHAEL SOMERBY

BIG SKY – There is no better way to tease the upcoming Halloween holiday than by carving up a jack-o-lantern.

The ritual is well-known for anyone that grew up in the U.S., which begins at the local pumpkin patch where only the largest or most shapely pumpkins catch the eye, inspiring visions of pumpkin-carving greatness.

After hauling the pumpkin off the patch, typically with the aid of a parent or wheelbarrow, the fun begins when the tools—knives and spoons of varying sizes—are laid out over a makeshift canvas of newspaper. Of course, the pumpkins are there too, washed and waiting for a facelift.

Cue the scooping of seeds and pulp, the gouging of triangle eyeholes and crooked teeth, and the delight of placing the pumpkin on a stoop or house's entryway with a lit candle placed in its belly.

And while this cherished routine might feel familiar to most, the history behind the jack-o-lantern is something that eludes the majority of Halloween revelers, and we must turn to the Old World and to immigrants for its genesis.

According to History.com, the roots of the jack-o-lantern can be found in Irish folklore, which holds that “Stingy Jack” routinely fooled the Devil in the hopes of seeking sanctuary from his wicked ways.

Stingy Jack first invited Lucifer to a drink, asking the demonic king to transform him into a coin to pay for their brews. Once in coin form, Jack placed the Devil in his pocket next to a cross, preventing the Devil from returning to his typical form. Desperate to return to normal, the Devil agreed to leave Jack unharmed for one year, as well as relinquish his soul to heaven should he die.

Next, Jack convinced the Devil to climb into the branches of a fruit tree, carving a cross on the tree trunk while the Devil searched for fruit—in order to climb down, the Devil promised to leave Jack be for 10 additional years.

As legend would have it, Jack died, but God refused to let a trickster beyond the pearly gates, and the Devil, keeping his word, would not allow his soul into hell.

He sent Jack off into the world, with only a burning coal for light, which Jack placed into a carved turnip. Jack forever roamed the Earth as a damned soul, inspiring centuries of Irish and Scottish people to carve turnips of their own, replete with scary faces, to ward off evil spirits such as Jack.

So, as people from the British Isles immigrated to the U.S., so too did their customs, though they adopted the use of the American pumpkin instead of turnips like in days of old.

Put your pumpkin carving skills to the test at Lone Peak Cinema's Pumpkin King & Queen Carving Competition on Saturday, Oct. 26, from 5-7 p.m. Visit bigskytownceter.com for more information.

Quick jack-o-lantern carving tips:

- Get a pumpkin with a greener stem, ensuring freshness and proper handling
- Oddly shaped pumpkins can make for some of the best designs
- Be sure to scoop every piece of innards out, making your pumpkin less likely to rot
- Spray your carved pumpkin with water to keep it firm
- Carve your pumpkin no more than 24 hours before an event for optimal freshness and shape
- Refrigerate as necessary to prolong the life of your jack-o-lantern



Jack-o-lanterns—an Old World tradition with a New World facelift. PHOTO COURTESY OF PEXELS.COM

TWO AUTUMN WEEKS IN BIG SKY



Mother Nature has played some games with Big Sky residents this fall. It's fair to ask: did we go full-throttle into winter? The sub-freezing temperatures and batches of snowfall might suggest the warm weather is in the rearview mirror—but have hope, “second fall” might just grace Big Sky yet. Should it do so, here are some great ways to spend the next two weeks, jumping between noteworthy Big Sky and surrounding area events and the natural amenities that bless the area.



CC PHOTO

4th annual Horrorfest Film Festival, Night 1 – Lone Peak Cinema, Oct. 25

This Halloween, Lone Peak Cinema will serve as the moratorium for your sense of peace, hosting a bone-chilling marathon of horror films for three consecutive days. Thirty-six hours of movie terror between Friday, Saturday and Sunday: can you stomach it? Visit bigskytowncenter.com for details.

Hike: Beehive Basin

The Upper Beehive Basin, U.S. Forest Service trail No. 40, is known well among Big Sky's outdoor enthusiasts, primarily for its craggy peaks that serve as the basin's backstop, then for its placid, mirror-like glacial lake and access to the Lee Metcalf Wilderness. Just 7.1 miles long, this out-and-back trail is a must while the weather holds for just a few more days of glorious sun-fueled warmth.



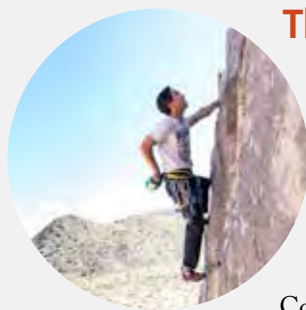
PHOTO COURTESY OF PINKY AND THE FLOYD

Live Music: Pinky and the Floyd – The Rialto, Bozeman, Oct. 26

On Oct. 26, a regional music favorite, Pinky and the Floyd, will take The Rialto stage. Dubbed “Montana's most electrifying live experience” and founded in 2007, the Pink Floyd cover band has garnered a ravenous fan base in the Greater Yellowstone. All 10 Pinky members are professional working musicians—spanning genres from Americana and vintage swing to hip hop, jazz, country, salsa, funk, rock and blues across more than 20 bands. Visit logjampresents.com for details and tickets.

Grizzly and Wolf Discovery Center, West Yellowstone

An Association of Zoos and Aquariums accredited, non-profit wildlife park, the Grizzly and Wolf Discovery Center in West Yellowstone offers “visitors to Yellowstone a chance to uniquely experience the world of grizzly bears and gray wolves.” Fret not, each animal is unable to survive in the wild for various reasons, and has been given the chance to wow and inspire onlookers, ultimately serving as ambassadors for their wild relatives. Visit grizzlydiscoveryctr.org for details.



for details and tickets.

The REEL ROCK Film Tour – Emerson Center for the Arts and Culture, Bozeman, Oct. 30

The REEL ROCK Film Tour is one of the world's most preeminent celebrations climbing through film. Arriving in Bozeman on Oct. 30, in a place home to legendary climbers like Conrad Anker, the tour has an obvious, built-in following in the micropolitan city. Visit themerson.org



CC PHOTO

Trick or Treating in Town Center – Oct. 31

Don't forget that for the youngest members of the family, Halloween is as much about dressing up as your favorite superhero, princess and monster, as it is stuffing a pillow sack or plastic pumpkin with heaping piles of candies and chocolates. No kids? No problem. Grab a table at a Town Center eatery and drink a sugary cocktail. Visit bigskytowncenter.com for details.



PHOTO COURTESY OF NORRIS HOT SPRINGS

Live Music: Norris Hot Springs

Two facts: One, hot springs become exponentially more enjoyable the colder it gets outside; and two, live music makes everything better. So as the temperatures dip into telltale winter lows, head to Norris Hot Springs where a lineup of live music accompanies warm mineral water and tasty food every Friday, Saturday and Sunday. Visit norrishotsprings.com for details and dates.

Live Music: Che Apalache – Warren Miller Performing Arts Center, Nov. 2

According to a WMPAC release, “Led by a North Carolinian who emigrated to Argentina, Che Apalache blends the sounds of traditional Appalachian bluegrass with Latin American rhythms, forming a hybrid they've dubbed LatinGrass. When banjo legend Béla Fleck saw them perform last year, he was so impressed that he immediately signed on to produce their next album.” Need more? Visit warrenmillerpac.org for details and dates.



PHOTO COURTESY OF CHE APALACHE

Fish: Gallatin River

Used as a setting for many of the iconic scenes of the 1992 film “A River Runs Through It,” starring Brad Pitt, Tom Skerritt and Craig Sheffer, the Gallatin River is a blue-ribbon designated river that originates in Yellowstone National Park and runs straight past Big Sky. It might be chilly, but fish need to eat, and with access less than a five-minute-drive from Town Center, go feed them.

Watercolor Painting – Gallatin Gateway School, Nov. 4

Adult Education at Gallatin Gateway School District No. 35 offers area adults the opportunity to pick up skills and provide the building blocks for new passions. Classes include sushi rolling, meal planning and women's archery, among others. On Nov. 4, the first of three watercolor painting classes kicks off. Channel your inner Picasso. Visit explorebigsky.com for more details.



CC PHOTO

Hike: Lava Lake

A moderate difficulty, 5.5 mile trail in the Custer Gallatin National Forest, the Lava Lake (Cascade Creek) Trail offers a beautiful reward for any deciding to make the trek: a pristine alpine lake. Lace up your boots, bring the dogs, bring the kids and hike out some sandwiches for a fall picnic by the lakeside.

2nd annual Chili Cook Off – Beehive Basin Brewery, Nov. 5

Due to the success of last year's Chili Cook Off at Big Sky's Beehive Basin Brewery, the event is back for a second year, bringing all of the same cold-weather food goodness the first year delivered. Registration is limited to just 20 contestants—so if you want in, act fast—and chilis will be judged by brewery patrons in attendance. Visit beehivebasinbrewery.com for more details.



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Remembering the artist that helped create Yellowstone

BY MICHAEL SOMERBY

YELLOWSTONE NATIONAL PARK – For those not immediately connected to the art world, the seemingly highfalutin claims of artists and their patrons as to the evocative and emotional powers of art can sometimes induce eye rolling.

But the story of Thomas Moran, a student of the Hudson River School style of painting, and his role in the formation of Yellowstone National Park brings the notion closer to home.

Born in England in 1837 to handloom weavers, Moran soon immigrated to Philadelphia with his parents, and at 16-years-old, Moran became an apprentice to a Philadelphia wood engraving firm.

A young Moran found the work to be tedious, and took a private interest in watercolors, showing tremendous promise in painting and sketching.

Trips to the Great Lakes in the 1860s, which he sketched and painted, earned him modest fame, eventually landing him a post as chief illustrator at “Scribner’s Monthly.”

Moran was soon tapped for an 1871 expedition to the Yellowstone region, led by Ferdinand Hayden, director of the United States Geological Survey. Moran was commissioned to sketch and paint the great alien wilds of the West.

Over that 40-day expedition, Moran documented over 30 natural splendors, which are credited with inspiring Congress to establish America’s first national park in 1872, just one year after the venture.



‘Castle Geyser, Upper Geyser Basin’ by Thomas Moran. NPS PHOTO

Powerful art, indeed.

Today, Moran’s works, including those celebrated Yellowstone pieces, hang in some of the most prestigious galleries around the world, such as the Smithsonian American Art Museum in Washington, D.C.—but we in the Greater Yellowstone need only drive a few hours to see the natural wonders that inspired the priceless pieces of art, just as those recreations instilled the value of national parks in American lawmakers.

Visit [flickr.com/photos/yellowstonenps/](https://www.flickr.com/photos/yellowstonenps/) to view some of Moran’s fabled recreations of the Yellowstone region.

Madrigal Dinner returns to Buck’s T-4 On Dec. 5

ARTS COUNCIL OF BIG SKY

BIG SKY – The Arts Council of Big Sky is proud to present the 23rd annual Madrigal Dinner, slated for Thursday, Dec. 5, at 5 p.m. in the Montana Room at Buck’s T-4 Lodge. This event is considered by many as the traditional opening of the holiday season and is one of the winter’s highlights for the Big Sky community. The event is a joint production between the Arts Council and the Montana State University School of Music.

“The Madrigal dinner is a fun, festive event,” said ACBS Executive Director Brian Hurlbut. “Not only is the food amazing, but the singing from the Montana State students is incredible.”

The evening begins with a no-host bar at 5 p.m., followed by seating for the dinner promptly at 6 p.m., in preparation for the Ceremonial Procession of the Lord and Lady of the Manor and their guests.

Olde English customs constitute the theme throughout the evening, including fanfares introducing the Ceremonial Procession, the Wassail Bowl and Christmas Toast, the Boar’s Head Procession and the Flaming Pudding Dessert.

The MSU Montanans will serenade guests throughout the evening and the MSU Chorale presents a concert finale.

The dinner closes with the audience joining the musicians in singing familiar carols. This year marks the 54th annual Madrigal Dinner, produced by the MSU School of Music, and the 23rd year the production has traveled to Big Sky.



The MSU Montanans serenading guests at 2018’s Madrigal Dinner. PHOTO COURTESY OF ACBS

Tickets for the Madrigal Dinner can be purchased in advance for \$60 per person, which includes a fantastic three-course dinner prepared by the chefs at Buck’s, as well as festive music from the Montanans, the MSU Brass Quintet and the MSU Chorale. The event is usually sold out so tickets are by advanced reservation only.

The Arts Council of Big Sky is a non-profit organization dedicated to bringing musical and artistic performances to the Big Sky Area. For more information and reservations call 995-2742 or visit www.bigskyarts.org.

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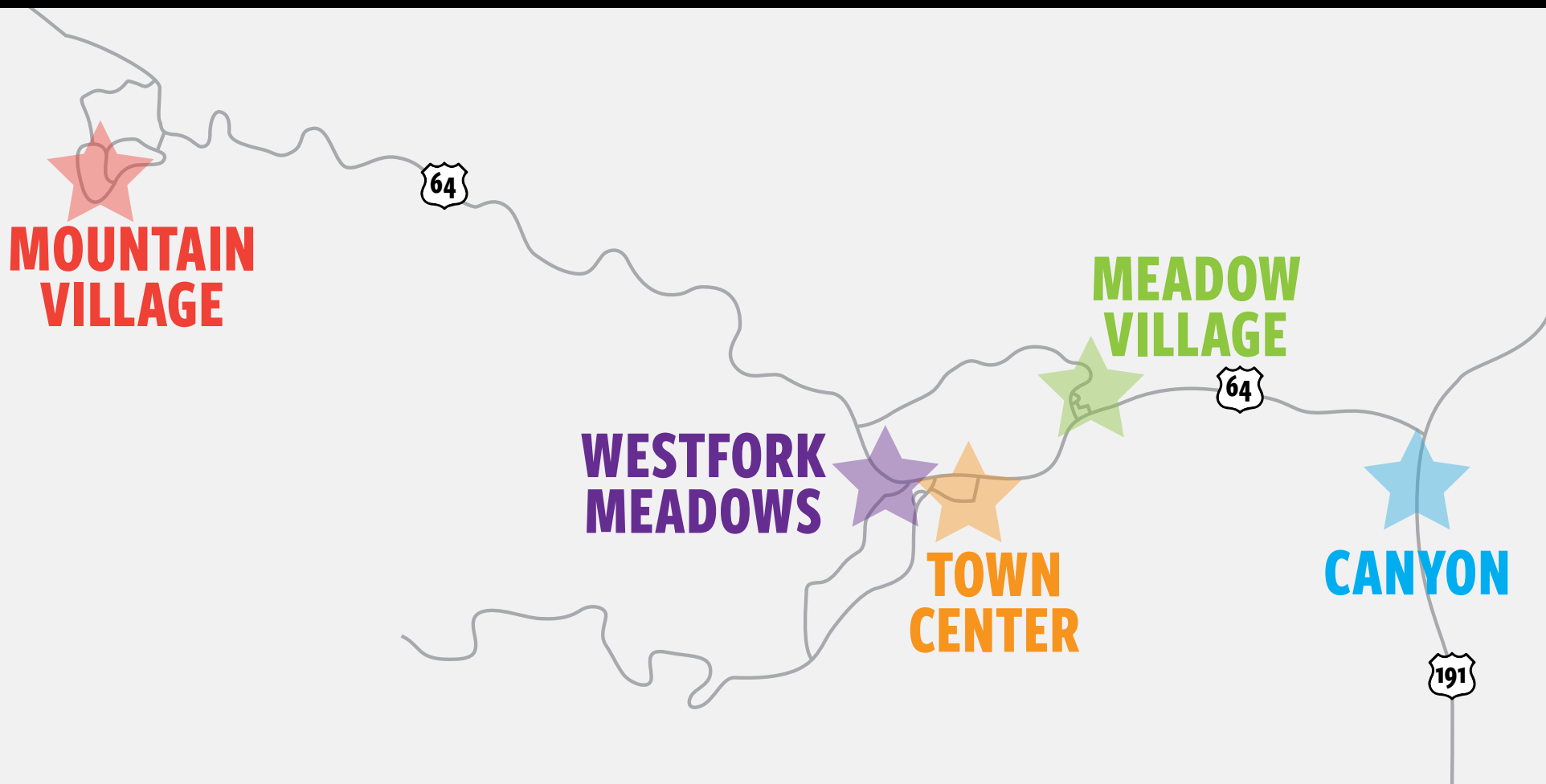
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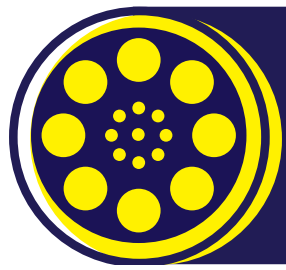
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REEL REVIEW

Top 10 horror villains of the 21st Century

BY ANNA HUSTED
EBS FILM CRITIC

While the “horror” film genre saw its genesis in the late 19th century, the 21st century saw some of the most spectacular frights ever put to the big screen—whether you chalk it up to advances in film technology, or a set of films to match the malaise and zeitgeist of the new millennium, here’s an ode to the top 10 horror villains of the past two decades.

10. The Crawlers from “The Descent.” The most intriguing element of the demonic, humanoid Crawlers in Neil Marshall’s “The Descent” is that we never find out why they live underground or how they got there. Do they constitute the film’s core? Well, the great and terrifying mystery of one of the best horror films of all time is in the relationships between the six female protagonists—but the Crawlers do a horrific duty in bringing those lies and secrets to the forefront.

9. Josef from “Creep.” Josef (Mark Duplass in one of his best roles) may or may not be the creep in Patrick Brice’s low-budget independent film “Creep,” but the only way to find out is to watch the film to the bitter end.

8. It in “It Follows.” It can only be passed on via sexual intercourse, after which the phantom It will follow you, trying to kill you, until you pass it on to someone else. The indoor swimming pool sequence in “It Follows” pays homage to Jacques Tourneur’s 1942 “Cat People,” a truly unsettling series of cinematic events excellently reconstructed. Director David Robert Mitchell scares us with what isn’t in the shot, a technique used by early horror filmmakers when there was not a budget for a big monster. Kudos.

7. The Creeper in “Jeepers Creepers,” one of the first horror film villains to scare me. “Jeepers Creepers” is “Texas Chainsaw Massacre”-lite and would still scare any 15-year-old—and even their parents. The Creeper is played by Jonathan Breck, who is so remarkably handsome in real life it’s doubly frightening to see how terrifying he becomes in these films. He haunts teenagers driving through the countryside and goes uninterrupted on flesh-eating binges every few years.

6. Jigsaw from “Saw.” Although the “Saw” franchise took a terrible turn away from horror and into torture porn, Jigsaw remains one of the best horror villains every made. He is disturbing at every turn and hides behind an even creepier mask. Add a good dose of tremendous intelligence and cunning, and you know there is a real foe in Jigsaw.



The Armitage family in Jordan Peele’s “Get Out” are one of the scariest villains of the 21st century because they come across as ordinary next-door neighbors. PHOTO COURTESY OF UNIVERSAL PICTURES

5. The Armitage Family in “Get Out.” Those rich, good-family-next-door neighbors are often not what they appear; they are the real snakes in the grass.

4. The Monster in “The Host.” Bong Joon-ho’s “The Host” is a clever, comedic and horrifying South Korean monster flick with a little girl and a monster at its center. The monster is a unique creation that appears to be part lizard, pelican, octopus and Godzilla-monster-form. This conglomeration makes the ways in which the monster moves entertaining and paved the way for future on-screen monsters such as that from the blockbuster “Cloverfield.”

3. Pennywise in “It.” You all know my love of “It.” The opening gutter rain scene where we first meet this new iteration of Pennywise solidified Bill Skarsgard as a brilliant smile-manipulating horror villain. He scares me, yet I can’t look away.



The Pale Man in Guillermo del Toro’s “Pan’s Labyrinth” comes in at #2 of my top 10 horror villains of the past two decades. CC PHOTO

2. The Pale Man in “Pan’s Labyrinth.” If you’ve ever seen a photo of the actor who plays Amphibian Man in “The Shape of Water” and the Pale Man in “Pan’s Labyrinth,” Doug Jones, you’d understand that he was, unfortunately, born to play these terrifying fantastical roles. The Pale Man must place his loose eyeballs into his hand sockets in order to see, which means he must stop eating to get catch a glimpse of his next meal. His inability to use his hands while chasing down little girls is as creepy as it is inefficient. The Pale Man is gruesome, clever and, most importantly, haunting in his blank face and eyeball hands. Only a monster of this caliber can come from brilliant director Guillermo del Toro.

1. Mister Babadook in “The Babadook.” The guttural “dook, dook, dook” combined with the knocking three times is still a joke we play on each other in my house. Mister Babadook’s croaky calling-card voice and the broad-shouldered silhouette are terrifying especially when he comes at you behind your dresser or from under your bed. Mister Babadook will never leave your house once invited inside.

Investigate these villains on your house’s TV at your own peril.

Anna Husted has a master’s in film studies from New York University. In Big Sky she can be found hiking a mountain or at the movies at Lone Peak Cinema. When not gazing at the silver screen or watching her new favorite TV show, she’s reading, fishing or roughhousing with her cat, Indiana Jones.

BIG SKY BITES

Salmon Ceviche on Tostadas

BY MICHAEL SOMERBY

The year was 2009—to be cool was everything; at least that’s what freshman-in-high-school Michael fancied.

Of course, at that age, everything one does to be cool is—determined at a later date—decidedly uncool. Cringe-worthy, even.

So as my friend group and I skateboarded around campus and through our neighborhoods, talking about girls that wanted nothing to do with us, upperclassmen gatherings we would not be invited to, beers we’d never drank, joints we’d never smoked, we thought we were kings when the peasant denomination was more fitting. Today, the memories bring as many smiles to my face as they do palms to forehead in embarrassment.

One fateful weekend after watching a YouTube demo video that convinced me I could also shred makeshift bowls and ramps like a pro, I bought Loaded Longboard’s “Ceviche” deck, complete with a set of coveted Orangatang brand purple “Stimulus” wheels.

I never managed to replicate any of the sexy skateboarding maneuvers the professionals showcased in “Please Pass the Salt,” to my dismay and no surprise, but a silver lining emerged: the top of the bamboo deck featured a recipe for ceviche.

It would be years before I ever tasted ceviche, but it planted knowledge that fish could be cooked in citrus juice and citrus juice alone deep in my impressionable adolescent brain. By the time I was a sophomore in college, my ceviche was a hit on the balmy North Carolina porches my friends and I spent hours on, sharing stories that today evoke equal cringe as those shared over the freshman-designated tables of my high school’s cafeteria.

As Big Sky and its residents dance on that fine line between summer and winter, making a few tweaks to more traditional ceviche recipes that center on warm water, white-fleshed fish like tilapia, tuna and snapper, brings a seasonal dish with just enough zest to honor the passing of the warmer months.

Recipe:

Prep Time: 25 minutes

Cook Time: 40 minutes

Servings: 3

Ingredients:

- 1 pound wild salmon, skinned and cubed
- 6–8 limes, juiced
- 1 tablespoon extra-virgin olive oil
- 2 tablespoons vegetable oil
- 1.5 avocados, sliced lengthwise
- ½ red onion, diced
- 2 medium tomatoes, diced
- ½ green bell pepper, diced
- 1 clove garlic, minced
- ¼ serrano chili, minced
- ¼ habanero chili, minced
- ½ cup chopped fresh cilantro
- ½ teaspoon dried oregano
- 1 teaspoon ground kosher salt
- ½ teaspoon ground black pepper
- 6 small corn tortillas

Instructions:

1. Combine lime juice and salmon in large bowl, ensuring all pieces of fish are submerged
2. Let sit for 30–40 minutes, or until salmon chunks are opaque and firm
3. Combine other ingredients in a separate bowl, sans vegetable oil, tortillas and avocado slices
4. Drain all but 3 tablespoons of lime juice from salmon bowl
5. Stir in bowl of herbs, vegetables and seasonings. Set aside
6. Heat the vegetable oil on a griddle or large pan over medium-low heat
7. Add tortillas, flipping once browned and crispy
8. Remove browned tortillas and transfer to plates, using paper towels to dab excess oil
9. Scoop even portions of ceviche over tortillas
10. Garnish with avocado slices
11. Serve with lime wedges
12. Enjoy



PHOTO BY MICHAEL SOMERBY



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PHOTO BY MICHAEL SOMERBY

Big Sky Country Brew: Sheepeater Bock

Lone Peak Brewery & Taphouse

EBS STAFF

BIG SKY – Lone Peak Brewery & Taphouse owner and brewmaster Steve Nordahl knows a thing or two about brewing beer. His interest, innocently, began in high school.

That’s right, high school, as Nordahl by a twist of fate spent the years of 1984-86 studying in Belgium where the legal age of alcohol consumption is 16 and drinking world-class beers is a cultural cornerstone. He’d go on to be among the first 13 participants of University of California, Davis’ first-ever Master Brewing Program.

The Sheepeater Bock, with formidable 7.5 percent ABV, is a delicious beer to pair with the fall and winter seasons. With little bitterness, and “meant to be a smooth drinking, elevated alcohol, amber lager,” the beer gets its namesake from the Shoshone Tribe’s legendary band of the Mountain Sheepeaters, boasting caramel, sweet notes and a “clean lager characteristic.”



The Gardens at Crail Ranch

Thank you to our partners, funders, donors, and volunteers for helping make this happen! We can't wait to see the gardens bloom in the following years and become a cornerstone of community conservation.

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..... DOWN TOWN
SATURDAY
OCT. 26th

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Visit Big Sky



AMUSE-BOUCHE

Amuse-bouche refers to an appetizer, and by French translation means, “to entertain the mouth.” It offers a glimpse into what you should expect from a meal. Also it’s free, compliments of the chef.

Where are we having dinner tonight?



BY SCOTT MECHURA
EBS FOOD COLUMNIST

It used to be we asked, “What’s for dinner?” Now the question has become “Where are we having dinner?”

I have fond memories of Sunday supper, after church, at my best friend’s house. The general scenario was that I would have breakfast with my family before walking to church. Then I would walk home with my friend Dan and his family, where I

would have Sunday supper, Italian style.

And it didn’t end with the six siblings of wide-ranging ages. Aunts, uncles and cousins arrived at the house like weekly clockwork—never knocking of course—that was completely unnecessary.

For me, the warmth of my friend’s family and hospitality was matched only by the entertainment I was witness to as most meals incorporated some level of heated, emotional debate. They were Italian after all.

But that was the point: it was family time. And while family time wasn’t always filled with stories of school science projects, baseball practice or fishing, it was still a time of conversation and unity—something that we are sorely lacking in the modern-day American home, generally speaking.

And while spending an extended period of time in a rural French community outside Bordeaux while standing in as my best friend’s best man, I was delighted to see that some families gather on a regular basis, with very few exceptions.

Both lunch and dinner were respected as a time when we collectively gathered and prepared the day’s meal. We sat at a table, together, and conversed. Not speaking French did admittedly limit my contribution to the conversations, nevertheless it was a generational social interaction at its root. No one ever jumped up from their place the second they set their fork down.

Today, we find ourselves with an increasing portion of the population who would rather get their clothes off the computer, entertainment at their fingertips, and their meals from a box—one with a whole lot of packaging I might add.

Blue Apron, HelloFresh, and many others like them. I thought we were supposed to be reducing our use of packaging. I’ve noticed on more than one occasion that the very same individual who might attempt to shame me for a Styrofoam container or a plastic straw is also a regular customer of one of the aforementioned services. Talk about excessive packaging.

So the question is: “Are we getting lazier, looking for more immediate results and satisfaction, or just too darn busy?” I would contend it’s a combo meal, pun intended.

This country saw unbridled prosperity post-World War II. We moved to the suburbs, bought cars, lawnmowers and Airstreams. We tried to convey an image to the world that we were successful, tranquil, hardworking and free. And along with that came mealtime as something greater than simply eating in the kitchen before rushing to our next task—particularly dinner—it was where we gathered.

But the dynamic of the American household was different then. Typically only one parent worked, which allowed significantly more time in front of the stove and at the market. Today, the average American spends a little more than half the time we did preparing and eating meals as we did in 1965. And there’s probably nothing wrong with that, it just depends on what else we are filling that time with.

Scott Mechura has spent a life in the hospitality industry. He is a former certified beer judge and currently the Executive Chef at Buck’s T-4 Lodge in Big Sky.



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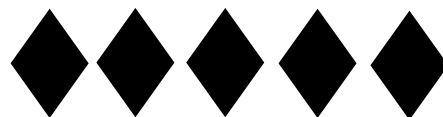
Eggs &
Issues

**BIG SKY COMMUNITY
VISION AND STRATEGY**



WEDNESDAY, NOVEMBER 6, 2019 | 8:30 - 10 AM
THE WILSON HOTEL RESIDENCE INN BALLROOM | BREAKFAST PROVIDED

Join Us! For the Big Sky Chamber's bi-annual *Eggs & Issues* community discussion. The Big Sky Resort Area District (Resort Tax) will unveil their **Our Big Sky Community Vision and Strategy**, and share the overall community vision, alongside key actions and projects to implement that vision.



Gallatin - Madison
**JOINT COUNTY
COMMISSION MEETING**

IMMEDIATELY TO FOLLOW | 10 AM - 12 PM

Working to Facilitate Local Governance, the Big Sky Chamber hosts this bi-annual meeting to convene Big Sky community leaders in an effort to update and inform our local county governments about relevant and timely issues impacting Big Sky.

SAVE THE DATE

NEW! 3 RS OF RESORT TAX

**RULES, REGULATIONS &
BUSINESS REGISTRATIONS**

- Nov. 7** **New Ordinance Training**
The Wilson Hotel | 2:30 - 4:30pm
- Nov. 7** **New Ordinance Training**
Buck's T-4 | 6:30 - 8:30pm
- Nov. 25** **New Ordinance Takes Effect**
- Dec. 31** **Deadline for Registering Your Business**

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