



NORTHERN NETWORK NEWS

The Official Newsletter of MSU-Northern

November 18, 2016

This Week's Featured Program Video



Diesel Technology Center Progress Video



This Past Week

Donation Helps Start NARS Certification



This week, Northern received a generous donation from the Wells Fargo Foundation to help start the National Academy of Railroad Sciences (NARS) Certificate. The faculty of MSU-Northern's College of Technical Sciences is focusing on providing more options for stackable credentials to provide shorter-term certificates that lead into two-year and four-year degrees. There is a huge shortage in locomotive mechanics and electricians. Therefore, Northern is planning to roll out a new certificate program established by the National Academy of Railroad Sciences in the summer of 2017. This program will provide a certificate in either locomotive mechanics or railroad electrical/electronics to help place graduates locally at BNSF Railways or with any other railroad in the country.

MSUN Collegiate Stockgrowers 3rd Annual Meet-N-Greet



The Collegiate Stockgrowers 2016 Meet N Greet was a great success. The SUB Ballroom was at the full seating capacity planned for the event with over 200 people in attendance. Lane Nordlund with Northern Broadcasting Network gave a great speech. Gene Curry, President of Montana Stockgrowers Association, was able to update the crowd on pertinent agriculture issues for Montana and the nation and the Collegiate Stockgrowers had a successful fundraising outcome with the live and silent auctions held throughout the evening. We thank all who helped make this third annual event a great success and hope to see you next November!

The Recognized Classifieds

By Debra Bradley and Jenn Anderson

Jen Henderson - Employment Service Coordinator with the Career Service is our next Classified Staff to be recognized!

Mary Heller, the Director of the Career Center, commented that Jen does so much that no one sees and that she is "spoiled" with Jen doing just about everything that she forgets. Jen is known to remember the littlest thing about every student that comes and walks through the doors at the Career Center, such as where the student is now and what they are doing. Jen is the first to recognize others around her and the whole admissions office area. In Mary's opinion, "Jen is not to retire for another 17 years so that they can retire together". If she stays that would put her at 46 years here at Northern and that might be a record!

"Over the years, almost everything at Northern has changed: the names, the computers, the Chancellors... but some things have stayed the same. One thing that has stood the test of time is our very own 'Jen Hen'" according to Lindsay Brown, Great Falls Site Director. Jen has dedicated her career to bettering the careers of Northern students along with her infectious laugh and love of our students. Jen makes every day a great day at Northern and is a special member of the Northern team.



American Indian Youth Leadership Gathering



On Tuesday, November 15th the Little River Institute at MSU-N hosted over 70 regional high school students and their advisors as part of the Montana Office of Public Instruction Department of Indian Education's Youth Leadership Initiative. Students came from Rocky Boy, Box Elder, Havre, Chinook, Hays/Lodge Pole and Dodson to participate. Don Wetzel, Jr., American Indian Youth Development Coordinator with Montana OPI, facilitated the youth gathering centered on the core themes of diversity, bravery, identity and unity. In addition, MSU-N student athletes, Tristen Belgarde (cross country) and Shiloh McCormick (basketball), spoke to the students about hardships, perseverance and setting goals for future success while the MSU-N admissions staff and Little River Institute student peer mentors assisted in their vision for education beyond high school. The day came to a close as students from neighboring schools came together to identify joint projects they can implement as leaders to bring about positive change in their communities.

New Documentary Promotes Discussion



Pictured above are some of the attendees of the "Hate Raising" film shown last Monday. "Hate Raising," is a brand new documentary produced by Latino journalist Jorge Ramos. In the documentary, Ramos expresses his concern about current racial tension in the nation. However, the documentary also includes opinions about other such complex current topics such as immigration, attacks to LGBTQ individuals, and Muslims, as well as power struggle and current political

climate. At the end of the presentation participants had the opportunity to express their views in an open microphone session. The conversation and call to action to stop discriminatory behaviors was part of the discussion. Thank you all the attendees for their input and commitment in building inclusive communities. This event was sponsored by the Office of Diversity Awareness and Multicultural Programs (ODAMP).

Christmas Tree Fundraiser Begins this Weekend

The MSUN PAS club will be selling Christmas trees again this year. The trees will be cut this coming Saturday (Nov. 19th) and will be available for sale beginning Sunday Nov. 20th.

This is our major fundraiser for the year; all of the money is used for travel to the National PAS Conference in March 2017.

Short and Long needle trees available

Up to 8 ft. = \$30, Above 8 ft. = \$40

For more information, contact:

Kasee 406-521-0298, Barry 406- 599-1891, Ethan 509-952-5620

David 406- 974-3283, Bill 406-265-4154 (campus) or Tom 406-265-4159 (campus)

BPA hosting Holiday Candy Cane Gram

The Business Professionals of America (BPA) club is hosting a holiday Candy Cane Gram Fundraiser. Become someone's secret Santa for just \$1 by purchasing a candy cane for them.

All orders are due Thursday, December 1. BPA will be taking orders and payment in person on this day from 12-3pm in the SUB Ballroom. However, if you would like to purchase in advance please contact a BPA member to place your order.

When submitting your order please include who you would like to send one to, how many and a way to contact the recipient (preferably email). ALL ORDERS WILL REMAIN ANONYMOUS.

All recipients will be contacted on or before Tuesday, December 6, so please be sure to check your email in case your secret Santa left one for you! BPA will be handing out the candy canes Wednesday, December 7 from 12-3pm in the SUB Ballroom.

Happy Holidays from your MSU-Northern Business Professionals of America club!

Important Announcements

Order Your Graduation Cap and Gown

Are you graduating May 2017? The Bookstore now has order forms available for your cap, gown, and tassel packages. Order before March 10, 2017 to avoid a \$5 rush fee. You may also order through www.jostens.com. If you are graduating with your Master's, the online ordering will not be available through Jostens.com. Announcements are available for purchase in the store or you may customize them through Jostens.com. [Click Here](#) to download your order form.

Deferred Installment Payment Schedule: (\$30 processing fee is added)

- 100% of total fees due: Friday, November 18th

Graduation Applications are due: Nov.14

Bookstore Sales Events

Come Check Out The Weekly Fall Sales At The MSUN Bookstore:

- * Nov 14th - 18th 20% OFF Beverage Containers, Blankets, Oven Mitts, and Barbeque Sets
- * Nov 21st - 30th 20% OFF Hats, Gloves, Winter Scarves, and Full Zip Jackets

Jump Start Your FAFSA - Before Feb. 10

More good news! The 2017-2018 FAFSA is now available. Starting this year, you can now use your prior year's completed taxes. When filling out the FAFSA, use 2015 tax information. Get a jump start on FAFSA and financial aid by applying now. Be stress-free and apply today! The link to the FAFSA is: <https://fafsa.ed.gov/> Priority deadline is February 10, 2016. If you have questions, contact the financial aid office at 406-265-3787 or finaid@msun.edu.

Upcoming Activities

Exit Counseling Sessions -Dec. 6-7

Attention fall graduates! Exit counseling sessions will be held November 15 and 16 and December 6 and 7 at 5 p.m. in the library computer lab B. If you have taken out student loans while attending school, you are required to attend one of the sessions. Payment options, forbearance and deferments, and federal loan servicer will all be discussed in these sessions. If you have any questions give Karen Terrell a call at 406-265-3776 or stop in the financial aid office Cowan Hall 213G.

Student Activities - November 2016

18th	7 p.m. -11 p.m.	Northern After Dark	Pin N Cue
19th	7 p.m. -11 p.m.	MSUN SAFE ZONE Dance	Ballroom
21st-22nd	8 p.m. -10 p.m.	Intramurals 3on3 Basketball	Gym
23rd-27th		Thanksgiving Break	
25th	6 p.m.	Lights Basketball vs. New Hope Christian	Gym
26th	6 p.m.	Lights Basketball vs. Salish Kootenai	Gym
28th-29th	8 p.m. -10 p.m.	Intramurals 3on3 Basketball	Gym

Student Activities - DECEMBER 2016

1st	7 p.m.	MSU-Northern Community Orchestra w/ 2 dance local dance groups	Havre High Auditorium
3rd	5 p.m.-12 a.m.	Cowboy Christmas	Gym
4th	2 p.m.	Piano and Pipes	1st Lutheran
5th-6th	8-10 p.m.	Intramurals - 3 on 3 basketball	Gym
7TH	7-10 p.m.	Northpoint Auction	Ballroom/Fireside
8th-10th	8 a.m.-11 p.m.	Native American Classic	Gym
9th-10th	4 p.m.-8 p.m.	Holiday Receptions	Chancellors House
9th-11th	8 p.m.-10 p.m.	Hansel & Gretel Christmas Panto	MAT
10th	8 a.m.-4 p.m.	Grand Holiday Expo	Ballroom
12th-14th	9 a.m.-1 p.m.	Book Buy Back	Bookstore
15th	6 & 8 p.m.	Skylights & Lights Basketball vs Nuestra Hidatsu	Gym
15th-18th	8 p.m.-10 p.m.	Hansel & Gretel Christmas Panto	MAT
12-16th		FINALS WEEK	
22nd-24th	8 p.m.-10 p.m.	Hansel & Gretel Christmas Panto	MAT

Fall 2016 Indigenous Movie Nights

The series, sponsored by the Native American Studies Program, showcases films written, directed, produced, and cast by American Indian & Indigenous artists and filmmakers. Each film is followed by a short discussion about the major themes and issues within the stories. Everyone is welcome. All of these movies will be in Hensler Auditorium, (in the ATC) and will begin at 6 p.m.

Mon, Dec 5 - CHRISTMAS IN THE CLOUDS

Christmas laughs, love, a vegetarian chef, and mistaken identities, on a reservation ski-resort.

Neon Dance - Nov. 19

The Safe Zone- Extension is sponsoring a Neon Dance Saturday, Nov. 19th at 7.00 p.m. at the Sub Ballroom. Dance away your semester's stress and have some fun before the Thanksgiving break!

MSU-Northern Community Orchestra Holiday Extravaganza - Dec.1

MSU - Northern Community Orchestra
presents

Holiday Extravaganza

FEATURING:
Montana Academy of Dance
The Studio of Dance and Arts

HOLIDAY FAVORITES FROM:
Nutcracker Suite, Trans-Siberian Orchestra,
The Polar Express, Mannheim Steamroller, and more!

7 pm • FREE
THURSDAY, DECEMBER 1ST
HAVRE HIGH SCHOOL AUDITORIUM

The MSU-Northern Community Orchestra is pleased to present their Holiday Extravaganza featuring some of your favorite Christmas arrangements made popular by groups like the Trans-Siberian Orchestra, Manheim Steamroller, and the Canadian Brass. They will be joined by two local dance studios, (Montana Academy of Dance and The Studio of Dance and Arts) for a live collaboration of music and dance featuring excerpts from the movie *The Polar Express*, and classics like *Parade of the Wooden Soldiers*, and excerpts from the *Nutcracker Suite*.

This exciting free evening of music and dance will happen on Thursday, December 1 at 7 p.m. in the High School Auditorium. There will be an opportunity for people to support the Community Orchestra.

MSU-Northern Community Choir Concert - Dec. 3

MSUN community choir and other local musicians, will be providing a free concert on Saturday, December the 3rd at 7:00 p.m. in the Havre High School auditorium. Come enjoy the music!

Piano and Pipes - Dec. 4

Get in the holiday spirit with a dose of holiday music this Sunday, December 4th at 2 p.m. It is the annual Pianos and Pipes concert featuring the MSUN Community Choir along with other local musicians. The concert will be in First Lutheran Church, 303 6th Avenue in Havre. The concert admission is free but you are asked to bring a non-perishable food item to be donated to the Havre Food Bank. Come see what musical talent thrives along the Hi-Line!

Fall Graduation



Please join us as we honor the Fall 2016 graduates of Montana State University-Northern Thursday, December 8th at 5:00 PM in the Hensler Auditorium (ATC) A brief ceremony will be followed by a reception for graduates and their families.

Weekly Columns

Northern Technology Snapshot

by Thomas M. Welch - Agricultural Technology Educator at MSU-Northern

A Big Northern Connection



Upper Left: Keith Richardson Above Left to Right: Greg Clouse, Keith Richardson, Loren Schlotfeldt

MSU-Northern has a storied connection with the large Big Bud farm tractors that were designed and manufactured in Havre, Montana. Wilbur Hensler, whom the Hensler Auditorium in the Applied Technology Center is named after, joined with Bud Nelson in the 1960s to form the Northern Manufacturing Company. They built and sold the first Big Bud tractor, the HN-250, in 1969. Ron Harmon purchased the company in 1975 and in 1978 it became Big Bud Tractors. Ron hired Keith Richardson as the lead designer and Keith now works for Northern's Advanced Fuels Center. Other current MSU-Northern employees who worked at Big Bud Tractors are Greg Clouse, Vickie Clouse, Richard Dorchus and Loren Schlotfeldt. Former Northern employees who worked at Big Bud Tractors include Lynn Stilger, Kathy Jamruska, Stacey Gonzalez, Linda Geelan, Jim Headlee and Dave Moody.

Many of us know that Havre is where the world's largest farm tractor was made. Few know that the lead design engineer for this very large Big Bud 16v-747 was Northern's Keith Richardson and that former diesel technology professor Lynn Stilger was plant manager for Big Bud Tractors. Another tidbit is that the original Twin Disc transmission for the 747 has been used as a teaching aid at Northern for many years. The Big Bud 747 is an immense farm tractor and can weigh around 130,000 pounds when fully ballasted (most large 4x4 farm tractors weigh around 30,000 to 60,000 lb.). It has its original 8-foot tall tires, a 14-foot height and measures almost 30 feet in length. It remains a popular attraction and was featured last year in *Hotrod Magazine*, and in 2011 *Diesel Power Magazine* ran an article on this behemoth tractor. The 747 is owned by the Williams of Big Sandy, MT and is currently on display in Clarion, Iowa at the Heartland Museum. It is interesting that about a dozen of the people that designed, built, serviced and sold Big Bud tractors also played a role in building Northern.

Northern Sports Recap

By Kristi Pullin

November 4

The Skylight volleyball team won an exciting 5-set match against Lewis-Clark State College (24-26, 25-20, 25-19, 27-29, and 16-14). The Lights basketball team defeated the Wolf Pack from Oak Hills Christian College 139-47. They were just 3 points shy of the all-time, single game scoring record (142) set in 1996.

November 5

The Skylight volleyball team wrapped-up their conference season with a 4-set loss to Montana Tech. The Skylights finished the regular season with a record of 5-7, good for fifth place in the Frontier Conference.

The Lights basketball team moved their record to a perfect 3-0 with a 90-37 win over Shepherd University at the University of Great Falls Classic.

The Lights football team fell to nationally-ranked Southern Oregon University 56-14 in Ashland, Oregon.

The Northern wrestlers traveled to Laramie, Wyoming to compete in the 38th Annual Cowboy Open. Lights senior Ben Stroh wrestled to a 4th place finish in the 184-pound elite division.

November 11

The Skylight volleyball team traveled to Great Falls for the Frontier Conference Tournament. They fell to fourth-seeded Great Falls in 4 sets (30-32, 26-24, 20-25, and 22-25). The Skylights finished the season with a conference record of 5-7 and an overall record of 6-16.

The Skylight basketball team traveled to Kirkland, Washington, to play in the Adidas Northwest Classic. In their opener, the Skylights defeated Evergreen State College 71-35.

November 12

The Lights football team hosted The College of Idaho on senior day at Blue Pony Stadium. They fell to the Yotes by a score of 31-13. The Lights finished the year with an overall record of 1-9.

The Skylight basketball team wrapped-up the Adidas Northwest Classic with a 67-37 win over tournament host Northwest University. The win moved the Skylights to 6-0 on the season.

Postseason Honors

The Skylight Volleyball program had 5 players receive postseason honors. Junior outside hitter Cassie Krueger and freshman middle blocker hitter Timi Severson were selected First Team All-Conference. Senior setter Emily Russell was selected to Second Team All-Conference for her second straight season. Freshmen Hannah Amtmann (libero) and Timi Severson (MB) were both selected to All-Freshman Team. Severson was also named the Frontier Conference Freshman of the Year. Redshirt freshman Sheridan Scheresky-O'Neil (outside hitter) was named the MSU-Northern Champions of Character award recipient.



FROM THE CAREER CENTER

By Mary Heller

ACCEPTING JOB OFFERS

It's that time of year when students who have interviewed for coops or fulltime positions during fall semester are beginning to receive offers for employment. It is an exciting time for these students, and the Career Center shares that excitement, as they realize they are building their future. Most recently, we've seen a few students come in and report they've received multiple offers and they're not sure which one to take. Here's some quick advice we give students.

First, have you done thorough research on each company? Knowing how the company operates, where the possible job locations are, whether or not the company will provide housing or relocation costs, and what kind of benefits the company offers are just a few things to start researching. Along with that, if a company tells you which location they would like for you, then you should do some investigating on what the cost of living is in that area. A \$50,000 per year job in Havre, Montana, will be a very different standard of living than a \$50,000 per year in any city in California for example.

Second, what kind of lifestyle do you wish to live? This question isn't geared so much towards the salary as it is towards the day-to-day living desired. Granted, everyone will need to start at the bottom of the fish pond and work their way up the career ladder, however it is important to ask yourself what kind of life you want to live along the way. Do you want to do a lot of travel? Do you want to stay in Montana or will you be happy moving anywhere in the world? How many days out of the year would you not mind being away from your family?

Finally, what company is willing to give you more time to think about their offer? Whether you are thinking of negotiating a salary, where you want to live, or just trying to wait on the research of other companies, it is important to know that you don't have to make your decision tomorrow. That piece of advice comes with more things to look at; negotiating methods, how to ask an employer for more decision time, and all of the communication processes in the meantime.

For help in this area, please know the Career Center is here to help. Our office hours are Monday-Friday, 8am-5pm. You can also reach us at 406-265-4198.

Plant of the Week

By Terri Hildebrand



Cranberry - Heath Family (*Ericaceae*) (*Vaccinium macrocarpon*)

With the upcoming holiday, low growing cranberry is on the minds of Americans. Twenty percent of all the cranberries harvested in America are consumed on just one day - Thanksgiving. Of the harvested berries, only 5% are sold whole and the other 95% is made into juice and canned sauce.

As one of the few North American crops commercialized and harvested from a native plant, cranberries have a long history of use. Native tribes used the berry for food but also recognized its strong anti-inflammatory properties that we now realize are attributed to high levels of antioxidants. Of your daily requirement, cranberries provide 22% vitamin C and over 5% vitamin B-6. Vitamin C is a powerful antioxidant and we need vitamin B-6 for normal brain function.

Cranberries destined for use in juices and canned sauces are "wet-harvested" when fields are flooded with water from surrounding sources. The berries are stirred loose from the plant, float to the surface and corralled by workers that push the floaters to a hopper that removes them from the flooded field. Berries sold whole are "dry harvested" using a machine that mows over the plants and removes the fruits.

The Montana cousins of cranberries include the wild huckleberry and blueberry, both of which are prized for their wonderful, sweet flavor. In contrast, the cranberry is a very tart fruit that requires sweetening for most people to enjoy.

Native Cranberry Plant: <https://www.minnesotawildflowers.info/udata/r9ndp23q/pd3/vaccinium-macrocarpon-730987-1.jpg>

Flowers: <http://cranberry.ca/wp-content/uploads/2016/04/JohnstonsCranberryMarsh106.jpg>

Wet Harvest:

https://www.google.com/search?q=wet+harvest+cranberries&source=lnms&tbn=isch&sa=X&ved=0ahUKEwiv8J2N5q3QAhUE9WMKHYYenD9kQ_AUICSqC&biw=1920&bih=990#imqdi=CI4DZHOyXY8k1M%3A%3BCI4DZHOyXY8k1M%3A%3B6sWAupqanB9veM%3A&imgrc=CI4DZHOyXY8k1M%3A

Computer Corner

By Marianne Hoppe

Windows 10 Tip: Windows Updates

If you have pending updates that require you to reboot your PC, Windows 10 will allow you to schedule a specific time for it to do so. (Finally!)

Open the **Settings** option in the **Start** menu, go to **Updates and Recovery** then **Windows Update**. If you have an update pending, you will see a screen that will let you schedule your reboot after you select the **Select a restart time** radio button. Even better, you can dive into the **Advanced** options and tell Windows to notify you to schedule a reboot whenever updates are ready by changing the **Automatic (recommended)** to **Notify to schedule restart**.

While the ability to schedule installation times for updates is very welcome, not everyone is happy about the way Windows 10 handles patches - specifically, that you can't refuse them. Windows 10 Pro users (but not Windows 10 Home users) can *delay* downloading updates for a while, but eventually Microsoft will force them on you.

One other action you can take that will let you exert a little bit of control over Windows Update is the new **Active Hours** feature that is in the Anniversary Update which lets you tell Windows specific times *not* to install updates. To set your active hours, click on **Start > Settings > Update & Security > Windows Update**. When you get there, on the main portion of the app's screen, click **Change active hours**, which is under the **Update settings** subheading. Specify the time you're actively using your computer and click **Save**. (By the way, if you're thinking you can use Active Hours to defeat Windows Update by telling it you're active 24 hours a day... the feature only lets you block up to 12 hours per day)

TidBit

By Bill Lanier

On Saturday, November 12, Lights football player, Tommy Langley did something no other football player in Northern history has done. In the first quarter against the College of Idaho, he kicked a 51-yard field goal. This is four yards further than previous Northern record holder, Luke McKinley's 47-yard field goal. Tommy's 51-yard field goal is also the longest field goal this year in the Frontier Conference and tied for the second longest in the NAIA for the 2016 season. It is also the longest DakStats verified field goal in the past 7 seasons in the Frontier Conference. On another note, Tommy's 9 field goals, broke Luke's single season record of 8 field goals. Great job Tommy!