

COMMUNITY  
CALENDAR

The *Community Calendar* appears each Monday and Thursday. Contributions to this list of upcoming events are welcome and should be submitted two weeks before the event. Submissions **MUST** be typewritten or legibly printed and include the name and phone number of a contact person. Send items to *P&D Calendar*, 319 Walnut, Yankton, SD 57078, or email to [news@yankton.net](mailto:news@yankton.net).

MONDAY

**Line Dancing**, 9:30 a.m., The Center, 605-665-4685  
**Exercise**, 11 a.m., The Center, 605-665-4685  
**Interchange**, noon, Minerva's Bar and Grill, 605-760-7082.  
**Whist**, 12:30 p.m., The Center, 605-665-4685  
**Pinochle**, 12:45 p.m., The Center, 605-665-4685  
**Cribbage**, 1 p.m., The Center, 605-665-4685  
**Hand & Foot Cards**, 1 p.m., The Center, 605-665-4685  
**English as a Second Language classes**, 2-5 p.m., United Church of Christ, Fifth and Walnut (entrance in the alley), Yankton. (605) 660-5612.  
**English as a Second Language classes**, 6:30-8 p.m., United Church of Christ, Fifth and Walnut (entrance in the alley), Yankton. (605) 660-5612.  
**Narcotics Anonymous "Road To Recovery" Group**, 8 p.m., open meeting, First United Methodist Church (northeast door), 207 W 11th St, Yankton  
**Meditation Sessions**, Olde Rectory at Christ Episcopal Church, 513 Douglas, Yankton, 7-8:30 p.m. 665-3344 or 665-2456.  
**Sweet Adelines**, First United Methodist Church, 207 W. 11th, Yankton, Anyone interested in singing is welcome. Call 605-661-3029 or 605-668-0659 for more information.

THIRD MONDAY

**Servant Hearts Clinic**, a free, Christ-centered medical clinic, 5:30-8 p.m., 232 Capital St., Yankton.  
**Yankton Lions Club**, 6 p.m. dinner, 6:30 p.m. meeting, JoDeans, 605-665-4694.  
**Yankton American Legion Auxiliary**, 7:30 p.m., VFW Building, 209 Cedar Street

TUESDAY

**Table Tennis**, 8:30 a.m., The Center, 605-665-4685  
**Billiards**, 10 a.m., The Center, 605-665-4685  
**Explore the Bible**, 10:30 a.m., The Center, 605-665-4685  
**Weight Watchers**, 10:30 a.m. (weigh-ins 30 minutes prior), 413 W. 15th Street. For more information, call 605-665-2987.  
**Pinochle**, 12:45 p.m., The Center, 605-665-4685  
**Wii Bowling**, 1 p.m., The Center, 605-665-4685  
**Citizenship Class for Chinese students**, 2-3:30 p.m., United Church of Christ (Sunday School rooms), Fifth and Walnut, Yankton. (605) 660-5612.  
**English as a Second Language classes**, 2-5 p.m., United Church of Christ, Fifth and Walnut, Yankton. (605) 660-5612.  
**Conversational English Class**, 6:30-8 p.m., Southeast Job Link, 1200 W. 21st St.  
**AA, Alano Group**, 7 p.m., step meeting, 1019 W. 9th St, Yankton.  
**Bingo**, 7-9 p.m., The Center, 605-665-4685. (Open to the public)

WEDNESDAY

**Line Dancing**, 9:30 a.m., The Center, 605-665-4685  
**Nurse**, 10 a.m.-noon, The Center, 605-665-4685  
**Exercise**, 11 a.m., The Center, 605-665-4685  
**Whist**, 12:30 p.m., The Center, 605-665-4685  
**Partnership Bridge**, 1 p.m., The Center, 605-665-4685  
**Rummikub**, 1 p.m., The Center, 605-665-4685  
**Penny Bingo**, 1 p.m., The Center, 605-665-4685  
**Chair Massage**, 1:40-3:50 p.m., The Center, 605-665-4685  
**Citizenship Class for Chinese students**, 2-3:30 p.m., United Church of Christ (Sunday School rooms), Fifth and Walnut, Yankton. (605) 660-5612.  
**Meditation Sessions**, Olde Rectory at Christ Episcopal Church, 513 Douglas, Yankton, 7-8:30 p.m. 665-3344 or 665-2456.  
**Narcotics Anonymous "Road To Recovery" Group**, 8 p.m., open meeting, First United Methodist Church (northeast door), 207 W 11th St, Yankton  
**AA, Alano Group**, 7 p.m., discussion, 1019 W. 9th St, Yankton.

THURSDAY

**Table Tennis**, 8:30 a.m., The Center, 605-665-4685  
**Wii Bowling**, 9:30 a.m., The Center, 605-665-4685  
**Billiards**, 10 a.m., The Center, 605-665-4685  
**ASHH Toastmasters Club 6217**, noon, Avera Sacred Heart Pavilion, conference room no. 2, Yankton, 605-665-6776.  
**Pinochle**, 12:45 p.m., The Center, 605-665-4685  
**Dominos**, 1 p.m., The Center, 605-665-4685  
**Love Addicts Anonymous**, 7 p.m., for women, 120 West Third Street, Yankton. 605-760-5307.  
**AA, Alano Group**, 8:30 p.m., speaker, 1019 W. 9th St, Yankton.  
**Weight Watchers**, 5:30 p.m. (weigh-ins 30 minutes prior), 413 W. 15th Street. For more information, call 605-665-2987.  
**Take Off Pounds Sensibly (TOPS #SD 45)**, Weigh-in 5:30-6:30 p.m., meeting 6:30-7:30. RTEC building, 1200 W. 21st St. For more information call 605-665-3738  
**Yankton Area Banquet**, 6-7 p.m., United Church of Christ, Fifth and Walnut  
**English as a Second Language classes**, 6:30-8 p.m., United Church of Christ, Fifth and Walnut (entrance in the alley), Yankton. (605) 660-5612.

FOURTH THURSDAY

**Yankton County Farmers Union**, 7 p.m., Sunrise Apartments, 2015 Green St., Yankton. 661-7667.

MASABA Appoints  
New President

VERMILLION — James R. Peterson has been named president of Masaba. Jim has worked in sales and marketing at Masaba the past seven years. His most recent experience prior to joining Masaba was

business owner and president of Canica-Jaques VSI Crushers. Peterson holds a MBA from Mississippi State University and a Bachelor's Degree in Finance from Marquette University.

Oz And Roizen

Welcome To The  
Gene-Editing Revolution

BY MICHAEL ROIZEN, M.D.  
AND MEHMET OZ, M.D.

King Features Syndicate, Inc.

It sounds like science fiction: Snip out a bad gene, insert a good one and stop cancer in its tracks. But this fall, a British baby named Layla Richards made history when doctors used genetic engineering technology to knock out the cancer that threatened her young life.

Layla had a severe and unusual form of acute lymphoblastic leukemia. Diagnosed at 14 weeks, the baby girl received chemotherapy and a bone marrow transplant. But her cancer was aggressive and resisted treatment. Layla's parents asked doctors to try anything — and physicians at London's Great Ormond Street Hospital turned to a technique never before used against cancer in humans: gene editing.

The gene-editing technology, so new that it had been studied only in mice, removed a gene from the spreading cancer cells that protected them against destruction by Layla's immune system, and it beefed up cancer-fighting immune cells in her system so that they could seek out and destroy the now-vulnerable cancer cells. The beefed-up immune cells also had genes edited into them that were able to protect them from the drugs Layla was taking. Soon after her first birthday, Layla received the infusion.

For three months, the enhanced immune cells roamed her body, wiping out her cancerous cells. Layla then had a successful bone marrow transplant. Doctors announced in November that she is cancer-free, calling it "almost a miracle."

Gene editing is a fast-moving field that holds promise for improving health in many ways. A few weeks before Layla's story made headlines, the Cleveland Clinic, where Dr. Mike is Chief Wellness



OZ AND ROIZEN

Dr. Mehmet Oz and Dr. Michael Roizen

Officer, named a gene-editing technique to the Top 10 Medical Innovations for 2016. The list is usually reserved for breakthroughs that doctors and patients can currently use. But gene editing has such amazing potential to change clinical care in 2016 that the Clinic's physicians voted it a top-10 spot.

Someday soon, gene editing could help wipe out illnesses that are caused by a single, inherited gene — diseases like cystic fibrosis, hemophilia or breast cancers triggered by one of the BRCA genes. And it may help to edit out problem genes that develop later in life, called somatic mutations. It's also exciting because the ability to edit genes lets researchers learn more than ever about problems made worse by multiple genes, such as heart disease, diabetes and obesity.

Scientists have several gene-editing tools at their disposal. Layla's treatment used one called TALENs; another has the catchy name "zinc fingers." We think the future is very bright for one called CRISPR. It uses a protein that knows how to locate specific genes, then edit or snip them out. It's cheap (as little as \$30), fast and precise. That's important, because

the 23 pairs of chromosomes in the human genome contain 30,000 genes.

That is some of the good work that's already underway. Here's a short list of some other exciting projects:

**Obesity gene:** Researchers at Harvard University are looking at whether CRISPR can be used to snip out an "obesity gene" that governs the metabolism of fat cells.

**Pancreatic cancer:** Stanford University researchers are using CRISPR to study how this quick-spreading, hard-to-treat cancer develops.

**High blood pressure:** Lifestyle choices play a big role in blood-pressure problems, but your genes are involved, too. University of Iowa scientists are zeroing in on specific genes in hopes of learning how to edit out those that promote high blood pressure.

**Heart disease:** The Montreal Heart Institute is leading an international effort to pinpoint culprits and how they work. They can edit one gene-or a family of genes-to see if that helps to eliminate heart disease.

**Alzheimer's disease:** Some genes boost risk for early Alzheimer's, while another — a variant of the APOE4 gene carried by one in five of us — doubles the risk for this dementia later in life. Massachusetts General Hospital researchers are looking to gene editing to replace that APOE4 gene and find other ways to treat this form of dementia.

*Mehmet Oz, M.D. is host of "The Dr. Oz Show," and Mike Roizen, M.D. is Chief Wellness Officer and Chair of Well-ness Institute at Cleveland Clinic. To live your healthiest, tune into "The Dr. Oz Show" or visit [www.sharecare.com](http://www.sharecare.com).*

© 2015 Michael Roizen, M.D.  
and Mehmet Oz, M.D.

SCHOLASTICS

WAYNE STATE COLLEGE

WAYNE, Neb. — Wayne State College hosted commencement for graduate and undergraduate students in Rice Auditorium on campus on Dec. 18 at 1:30 p.m. Degrees were conferred at the ceremonies by Wayne State College President Marysz Rames.

Greg Allen, a 1974 graduate of Wayne State, received the Alumni Achievement Award. He has served as senior vice president of real estate management with Farmers Mutual of Nebraska since 2013.

Meghan Taylor of Omaha delivered the invocation during the graduation ceremony. She is the daughter of Mindy Brady and David Michal and James and Amy Taylor.

Lindsey Milburn of Rushville, Neb., delivered the undergraduate commencement address. Milburn is the daughter of Carol Milburn and the late Leonard Milburn of Rushville.

Tina Marie Wickersham of Sioux City, Iowa, delivered the graduate commencement address. She is graduating with a masters of science degree in clinical mental health counseling. She is married to Charlie Wickersham.

Scholarship Honors

Based on the student's cumulative GPA at the end of the semester prior to their semester of graduation. High Honors in the Major — 12 hours of honors courses and completion of a junior/senior honors project. Honors in the Major — six hours of honors courses and completion of a junior/senior honors project. Scholar in the Major —

completion of a junior/senior honors project.

SUMMA CUM LAUDE

Based on the student's cumulative GPA at the end of the semester prior to their semester of graduation. Cumulative grade point average between 3.90 to 4.00. Area honorees include:

- Laurel: Katelyn A. Lundahl
- Ponca: David Eugene Watchorn

Magna Cum Laude

Based on the student's cumulative GPA at the end of the semester prior to their semester of graduation. Cumulative grade point average between 3.80 to 3.89. Area honorees include:

- Laurel: Mallorie Marie Koch

Cum Laude

Based on the student's cumulative GPA at the end of the semester prior to their semester of graduation. Cumulative grade point average between 3.70 to 3.79. Area honorees include:

- Elk Point, S.D.: Tayler Lee Hall

Honorable Mention

Based on the student's cumulative GPA at the end of the semester prior to their semester of graduation. Cumulative grade point average between 3.50 to 3.69. Area honorees include:

- Creighton: Shelby Lynn Wiebelhaus
- Fordyce: Jaimi Lee Millage
- Niobrara: Marissa Kay Stark
- Verdigre: Beth Allyson Dather

Candidates For Degree

Listed by program of study. Graduation is contingent upon successful completion of the

current semester. ++ symbol means August 2015 Graduate. Area students listed:

- Bachelor of Science
- Bloomfield: Heather Jessica Sahagun, Criminal Justice, Theatre minor
- Creighton: Shelby Lynn Wiebelhaus, Elementary Education, Special Education MMH K-12
- Fordyce: Jaimi Lee Millage, Elementary Education, Reading/Writing PK-6 minor
- Hartington: Megan Elizabeth Goeden, English Education
- Hartington: Chad Alan Miller, Criminal Justice, Psychology minor
- Laurel: Brandon Arnold Ellis, Business Administration/Management, Criminal Justice
- Laurel: Jonathon Thomas Jacot, Health and Physical Education PK-12, Coaching minor
- Laurel: Mallorie Marie Koch, Elementary Education, English as a Second Language, Reading/Writing PK-6 minor
- Laurel: Katelyn A. Lundahl, Business Administration/ Public Accounting
- Niobrara: Marissa Kay Stark, Elementary Education
- Ponca: David Eugene Watchorn, Elementary Education
- Verdigre: Beth Allyson Dather, Middle Grades Education 4-9
- Wausa: Kaitlyn S. Rischmueller, Business Administration/Accounting
- Elk Point, S.D.: Tayler Lee Hall, Elementary Education, Early Childhood Education, Reading/Writing PK-6 minor

Candidates For Degree

Graduation is contingent upon successful completion of the current semester.

++August 2015 Graduate Listed by program of study

Master Of Business Administration

- Hartington: Kayla L. Fischer, Business Administration, B.S., University of Nebraska-Kearney, Kearney, 2010

Master Of Science In Education

- Hartington: Audrey Lyn Victor Freeman, Curriculum and Instruction-Instructional Leadership/B.S., Wayne State College, 2007 Social Sciences Education

BIRTHDAYS

LAVERNE KAST

Laverne Kast celebrates her 92nd birthday Dec. 26, 2015, and her family requests a card show. Send your greetings to: 2111 W. 11th, Riverfront Room 301, Yankton, SD, 57078.

**Shari Boetel**  
70th Birthday  
12/29/15  
Greetings may be sent to:  
905 School St.,  
Lake Andes,  
SD 57356

**l.lenae**  
designs & floral

Now Open in  
Gurney Landing

M/W/Th/Fri: 9-6  
Tues: 9-7, Sat: 9-2  
Or by Appt.

• Fresh & Silk Floral • Interior Decor  
• Interior Design Consultation • Space Planning  
• Event & Holiday Design

110 Capital, Yankton • 605-689-3010 • Lori Mohlenhoff, Owner

God gave  
his greatest  
gift to us  
On that first  
christmas day.  
May the joy  
and wonder of it  
always guide  
and light your  
way.

Best wishes to  
you and your  
loved ones at  
Christmas time!

Legacy Affordable Burial  
& Cremation Solutions

Yankton • Tyndall • Scotland • Tripp