

THE JOURNEY MUSEUM

THE TURTLE  TIMES

Welcome to Wild West Days –Sept 20-21

Saturday

- 10:00 am Rose Fosha of SD State Archaeological Research Center - "Chinatown" Dig in Deadwood
- 12:00 pm Croft Saddlery-how they're made and a history of saddles
- 2:00 pm John Salyers-Intertribal Trade
- 4:00 pm Harry Burk-"The Battle of the Greasy Grass(Little Bighorn), Before and After"

Sunday

- 12:00 pm Black Hills Flyfishers
- 2:00 pm Black Hills Storytellers
- 3:00 pm Rick Mills-"Black Hills Railroads, Then and Now"
- 4:00 pm Jan Rathbun -"All Roads Lead to Stool, SD"




- Gunfights, goldpanning, Cheyenne Trading post, three-legged races, gunny sack races, pony rides, and a petting zoo.*
- Wood carvers, spinners, weavers, flyfisherman, lace makers, rug makers, jackalopes, and many others.*
- Cost of admission is \$5.00 for ages 11 and up, kids 10 and under are free. Food & beverages.*


News from Collections


Schedule of Events	3
Geology	4
Sioux Indian	6
Pioneer	6
Gardens	7



SPECIAL POINTS OF INTEREST

 Sun. Sept. 28
 Storyteller Series :
 Peggy Detmers,
 "Monumental Dream:
 The Story of the Making
 of Tatanka,"
 2 p.m. See interview on
 page 5

 Thurs., Oct. 9
 West River History
 Conference 11a.m.– 5
 p.m. •Book Signing in
 lobby, 2 – 4 p.m.
 •World War II panel in
 theater, 7 p.m.

 Oct.3 – Nov.16
 "Bringing It Home–
 The WWII Experi-
 ence in the Black
 Hills" Opening
 reception Friday,
 Oct. 3, 5-7 pm.

***Bringing It Home* "The World War II Experience in the Black Hills"**

A whole community seems to be involved in "bringing home" the World War II experience in the Black Hills to The Journey Museum this fall.

Families loaned artifacts collected in the European and Pacific theaters. Historians help tell the home front story. Writers Rex Allan Smith, Paul Higbee and others share fruits of their research. Black Hills Quilt Club makes the exhibit banners—and in true wartime thriftiness—will recycle the material after the exhibit to make next year's raffle quilt. Local histori-

ans will share tales of the Igloo Ordinance Depot and Ft. Meade prisoners of war. Margie Rosario will direct home-schooled children in a play about coping at home. The exhibit will also include an honor roll of 3361 men and women who served in WW II from Pennington County.

Committee members and volunteers are labeling hundreds of artifacts from private and museum collections for a spectacular exhibit in the Adelstein Gallery.

Continued on page 8

Winter Hours 10 a.m.–5p.m. Monday-Saturday; 1 p.m.–5 p.m. Sunday

The Journey Museum • 222 New York Street • Rapid City, SD 57701 • 605-394-6923
www.journeymuseum.org

News from the Director's Corner



THE JOURNEY MUSEUM MISSION STATEMENT

The Journey Museum is the education venue that serves as a forum to preserve and explore the heritage of the cultures of the Black Hills region and the knowledge of its natural environment to understand and value our past, enrich our present, and meet the challenges of the future.

Please direct all inquiries to:
Ray Summers, Executive Director
(605) 394-2249
The Journey Museum
222 New York St.
Rapid City, SD 57701
rsummers@journeymuseum.org

Visit us on the web at
www.journeymuseum.org

The Turtle Times is published 4 times a year to entertain and inform the friends and patrons of The Journey Museum, a 501 3(c) Non-Profit organization dedicated to preserving the heritage of the Black Hills area. Editor: Donna Fisher

See Turtle Times in color at www.journeymuseum.org.

We are very busy getting ready for the upcoming exhibit schedule and school year as the summer draws to a close. Although the numbers of visitors may be slightly down from last year, the summer was a success.

A characteristic of this area that amazes me and I believe is underestimated by most of us is the tremendous resources that are available in the Black Hills.

For six months we have been working on the upcoming exhibit titled "*Bringing It Home: The World War II Experience in the Black Hills*". During this process we had resources at our disposal that were as significant as any in the nation. For example, Paul Jensen's father was the senior Red Cross leader in the European Theater during WWII; his uncle was a Battalion Commander in the D-Day invasion at Omaha Beach.

Rex Alan Smith is a nationally recognized author of WWII books, and we have talented and dedicated veterans working to tell this important story with this exhibit. The exhibit is scheduled for October 3 through November 16, 2003 and will include numerous "storytelling" sessions on weekends and evenings during the exhibit.

Our toughest job has been to decide what is the most important of the hundreds of stories and objects that were available to us. Don't miss this important exhibit; this is a story that has been waiting for years to be told.

The exhibit will consist of a time line of

the WWII period beginning in 1939 with invasion of Poland through the immediate aftermath of the war, depicted by panels high on the wall in the gallery. The story will then be

brought home to the Black Hills region by seven subject clusters with newspaper accounts, artifacts and personal stories displayed in the exhibit space.

Another very important story that will be added to the museum is the *Black Hills Flood of 1972*. Early this summer, in conjunction with the Mayor's office, the Journey Museum announced that we would be installing a permanent exhibit that will provide an historic perspective of Black Hills flood episodes of the past, the conditions and events leading to the flood, the devastation to life and property that resulted, the immediate disaster response, and the significant long-term effects to the Black Hills community. Some people still feel our museum is a "static" place; when this exhibit is installed in the fall of 2004, it will be the fourth major addition to our permanent exhibit area in just over two years.

Please share your enthusiasm for the museum with your friends; remind them that we have corporate and individual memberships that make a great gift. Thank you for your support.



Ray Summers,
Executive Director

THE JOURNEY MUSEUM PRESENTS "Bringing It Home: The World War II Experience in the Black Hills" Oct.3–Nov.16

"Molly on the Home Front"

A play performed by home-schooled children, based on the American Girl Series directed by Margie Rosario

October 25 2 p.m.

Bring the whole family~watch for other children's activities to be announced.

Raffle tickets available for Molly, an American Girl doll



www.americangirlstore.co

Journey Museum Events for Fall 2003

Sioux Indian Museum Gallery Exhibit:

Through October 17 Tom Red Bear, Lakota, sculptor of alabaster and pipestone art
 October 5 – December 2 Quilts by Bonnie LeBeau, Minniconjou - Cheyenne River Reservation
 December 4 – 29 Art and craft work by First People Fund 2001-2002 Fellows

Stanford Adelstein Gallery Exhibit:

Through September 28 “American Phoenix: A Visual Perspective of Buffalo in the 21st Century”
 Ray Tysdal’s black/white photographs of buffalo

September 20-21 Wild West Days—re-enactors, demonstrators, food and family fun

September 28 Storyteller Series : Peggy Detmers – “Monumental Dream:
 The Story of the Making of Tatanka” 2 p.m.
 \$2 (free with current museum membership)

Stanford Adelstein Gallery Exhibit:

October 3–November 16 “Bringing It Home—The WWII Experience in the Black Hills”
 Opening reception Friday, October 3, 5-7 p.m., free

Thurs., October 9 West River History Conference Registration 11a.m. – 5 p.m.
 Book Signing in lobby, 2 – 4 p.m.
 World War II panel in theater, 7 p.m.

Sundays October 12, 19, 26; November 2, 16 Storyteller Series WW II 2p.m. \$2 (free with current membership)

October 12 Rex Alan Smith & Bill Wolken – “The Ship That Would Not Die: - The Destroyer Laffey”

October 19 Jim Anderson – “The Soldiers of Supply; Black Hills Army Depot in Igloo, SD”

October 26 Frank VanNuys “An Armed Services Training Program (ASTP) at SDSM&T”

November 2 Charles Rambow – Dir. of the Fort Meade Museum; “Fort Meade and POWs in WWII”

November 16 Paul Higbee – “Three Unusual Stories of World War II in the Black Hills”

Thursday, October 23 Natural Science Lecture Series 7 p.m., free
 “Birth of the Black Hills: From Atoms to Harney Peak”
 Dr. Jack Redden, Geology Professor Emeritus, SDSM&T

Thurs., November 13 Natural Science Lecture Series 7 p.m., free
 “Water Resources of the Black Hills”
 Janet M. Carter, United States Geological Survey

Saturday, November 1 Journey Gardens Holiday Wreath Class 1-4 p.m.

Sunday, November 9 New Horizons – Senior Class Band Concert, 2 p.m. “An Armed Forces Salute”

Stanford Adelstein Gallery Exhibit:

November 23 – December 31 Holiday Exhibit “In the Nick of Time: Holiday Traditions Around the World”
 Opening reception Sunday, November 23, 3-5 pm.

Closed Thanksgiving, Christmas and New Years Day. Closed Jan. 1-16 for annual maintenance and cleaning.



South Dakota's Great Wall: Part 3 — the Ancient Rocks of the Central Core



Boulder Canyon Quartzite. (Photo by Dr. Gale Bishop)

Numerous underground mines are situated in these ancient metamorphic rocks now forming the core of the Black Hills. Gold was discovered by the Custer Expedition near Custer and sparked a gold rush into the Black Hills leading to the discovery of gold in 1876 near Central City and to the lode deposits in nearby Lead.

Numerous gold mining districts hosted now famous closed mines such as the Standby Mine, the Holy Terror Mine, and many others near Lead, Rochford, and Keystone. A silver mining district was exploited in and around the ghost town of Galena with numerous productive mines in the surrounding hills and valleys.

Two episodes of gold deposition seem likely; those of the Precambrian rocks and those associated with igneous intrusions during the Eocene. The gold of

the Homestake deposit is finely disseminated in a Precambrian chloritic schist called the Homestake Formation, which has been radically deformed by metamorphic folding of the rocks over a billion years ago. Additional gold may have been injected with the intrusion of the sills and dikes of rhyolite during the Eocene Epoch about 50 million years ago, perhaps associated with uplift of the Black Hills, exploited by open pit, heap leach mines such as the Richmond Hill and Wharf Mines north of Terry Peak.

The bedrock geology of the ancient core of the Black Hills is laid open to view in the Homestake Open Pit showing steeply dipping metamorphic rocks consisting of gray and greenish-gray foliated layers dipping from upper left to lower right. Alternating with these are white layers, a series of rhyolite igneous intrusions (sills, tabular

concordant igneous intrusions) that were injected upward along foliation of the metamorphic rocks during relatively recent times (during the Eocene Epoch; only ~50,000,000 years ago!). In the upper part of the exposure some of the rhyolitic sills have been intruded into the nearly horizontal sedimentary layers of the Deadwood Formation lying above the Great Unconformity; forming horizontal sills and even blister up in some areas forming **laccoliths** such as Elk Mountain, Bear Butte, and Devil's Tower.

The ancient high standing mountain ranges have been repeatedly attacked by forces of nature trying to erode them as they were being uplifted, stripping the younger overlying sedimentary rocks off and re-depositing them as sediment. Low density minerals such as quartz and calcite were rapidly carried off onto the plains and dense minerals, such as gold, were sorted out by stream action during this process and left behind as a lag deposit ("**placer deposits**") in the beds of ancient streams as the gold-bearing metamorphic rocks were breached by erosion. Some of the initial Black Hills mines were placer mines in active and ancient creek gravels and some were even developed in 500 million year old stream deposits forming the base of the Deadwood Formation and long since lithified into conglomerates and sandstones (cement ores in the older literature).

The Homestake Gold Mine, closed in 2002, after yielding approximately 40,000,000 oz. of gold with a normal ore tenor (metal value) of approximately \$250/ton (about a ton of ore to yield one troy ounce of gold. Gold is used for jewelry, as a hedge against inflation of paper money, and, most importantly, as an industrial metal in electronics and high technology applications.

WE NEED YOU AS A JOURNEY VOLUNTEER
Call Sheryl Starnes (718-0332) or Janet Rathbun (341-5663)

THE JOURNEY MUSEUM PRESENTS



November 23 – December 31 Holiday Exhibit

"In the Nick of Time: Holiday Traditions Around the World"

Opening reception Sunday, November 23, 3-5 pm.

“Monumental Dream: The Story of the Making of Tatanka”

Peggy Detmers, the sculptor commissioned by Kevin Costner to create Tatanka, speaks Sept. 28, 2 p.m. as part of the Storyteller Series. Detmers' 17-piece sculpture shows Lakota hunters driving buffalo over a cliff. With photos, she'll discuss Tatanka from inspiration to installation and beyond.

You had a dream about the buffalo before you received the Costner commission, right?

Peggy: The dream started with me looking at a set of blueprints. I looked up the arm which was pointing at the blueprints and saw the face of the actor, whose movie, "No Way Out" I had rented several weeks prior. He motioned for me to look back down. When I did, the buildings in the drawing were no longer there. Instead there were blue sketched bison, which turned into bronze bison, which turned into live bison. The bison headed for me and I quickly woke with a start!

I found out a couple of weeks later that this actor was in South Dakota film-

ing a movie. That was in the fall of '89. I started sculpting bison, and continued to sculpt bison all the way through to 1992. I sent portfolios to the Midnight Star, and come September of 1992, Patrick Cudmore, a designer working with TSP, called me and said he was to bring me to the Midnight Star to meet with Kevin. And so it began.

Many people who have been around buffalo claim that they are creatures of considerable mystery or mystical presence. Do you agree?

Peggy: I see them as remnants of an ancient ice age past....I feel they serve as a message to us that life changes and it continues. That knowledge in itself is spiritual to me.... I want to cry out that this earth shows us that change happens and life goes on, and those mighty ancient bison show us this.

Your Tatanka installation has such power and presence. How did you observe buffalo?

Peggy: I worked at Custer State Park during my college years and after graduating, so I was able to live closely with the



Photo by Donna Fisher

bison. I photographed them then (oh so long ago!) wallowing, running, fighting, nursing, you name it. [After the Costner commission] I spent hours at the roundup corrals to capture how the bison leap, turn, jump, and ram each other to avoid the pens. I also used my imagination as to how they would appear in a free-fall. No bison were injured in the making of this sculpture!

Saddle up for learning: kid-friendly teaching station debuts

The Journey Museum is fortunate to have a high-quality selection of saddles in their pioneer and ranching exhibits. For two years the Saddle Up! exhibit has encouraged visitors to experience the “comfort” of a cowboy’s saddle and a lady’s side-saddle. These are fun and popular—but they don’t teach much about the importance of the saddle to the horse and the rider and to the development of the West.

A new teaching station has been developed for the volunteers and docents to use with visitors. A hundred year old saddle was donated to the project by Bob Preszler, curator of the Minnilusa Historical Society Pioneer Association. The saddle was disassembled, cleaned and repaired by Ron Warrick of Warrick Saddlery in Rapid Valley.



The teaching station was funded by a gift from Journey Museum supporter Brittney Seitz, daughter of Janet and Rich Turbiville of Deadwood. She, with her mother, sister and brother, was one of the models in the recently published Journey souvenir book. (Photo by Cathie Draine.)

LeRoy Draine built a saddle stand on wheels so that the exhibit can be moved from group to group. Volunteers can show how a saddle is built on a “tree” with areas of comfort for the horse, areas for the rider and some embellishments that are for decoration only.

Cathie Draine developed an interpretive and historical guide for the volunteers as well as paper and pencil activities—a crossword puzzle and a word find—for students and visitors.

The teaching station was funded by a gift from Journey Museum supporter, Brittney Seitz of Deadwood, Draine’s granddaughter.

“I am eager to see learning situations developed for our visitors. We want their visit to be more than a walk-by-the-displays field trip,” commented museum director, Ray Summers.

THE JOURNEY MUSEUM PRESENTS



“Bringing It Home—The WWII Experience in the Black Hills”—Storyteller Series

Sundays October 12, 19, 26; November 2, 16 2p.m. \$2 (free with current membership)

The Journey Museum • 222 New York Street • Rapid City, SD 57701 • 605-394-6923
www.journeymuseum.org

The Sioux Indian Museum

Paulette Montileaux, Director



Red Bear Sculptures: An Exhibition through October 17, 2003

Tom Red Bear's eclectic sculptures range from mermaids and Buddhist monks to the more traditional forms of Native American expression representing the Lakota values of tradition, beauty, fortitude and determination—buffalo hunts, thunderbirds. He says his style is derived from the electromagnetic waves, which emit from mother earth to all of creation. He interprets the beauty and meaning of every day miracles, and his ideas come from dreams, the dynamic and universal appeal of Lakota traditions and culture, which abound in meaning and spiritual power.

Some of the materials Red Bear uses today include ivory, marble, catlinite,

soapstone, limestone, alabaster, buffalo horn, wood, abalone, and bronze.

Thomas Red Bear is an enrolled member of the Oglala of the Pine Ridge Reservation. He was born February 19, 1956 in Hot Springs, South Dakota. He studied at the University of Colorado, Boulder, CO; the Institute of American Indian Arts, Santa Fe, NM where he received formal training in graphic arts; and California College of Arts and Crafts.

As a child, Red Bear was greatly influenced by relatives who were artisans. His grandmother who worked with buckskin and beadwork taught him the techniques of scraping deer and buffalo hides. His grandfather carved alabaster, wood, and catlinite.

His mother was a graphic artist and seamstress, and his uncles were painters.

For the past 42 years Red Bear has been experimenting with various forms of art, and for the past 20 years he has pursued the art of sculpting. He resides in Hot Springs, South Dakota with his wife and children. For prices of Red Bear's work, call The Journey Museum Store at 605-394-2201. After the exhibit closes, contact Tom Red Bear at 1601 Evanston Avenue # 18, Hot Springs, SD 57747.

The Sioux Indian Museum is managed by the Indian Arts and Crafts Board, U.S. Department of the Interior, and is located in The Journey Museum.

The Minnilusa Pioneer Museum

Robert Preszler, Director



The William Straub Beaded Hide & Beaver Coat—Part I

While we may find any number of the objects exhibited at the Minnilusa Pioneer Museum interesting in and of themselves, they have the potential for becoming more so when considering the circumstances which may have surrounded them in their day. Since the objects represent those experiences and people seldom mentioned in the pages of our more familiar history books, we have the opportunity once again to remind ourselves that it is indeed the less familiar events and happenings of the past and those individuals who were caught up in them that supply the substance and day-to-day details of our history. Consequently, being able to explore an object in the context of the one who made or owned it may not only enhance our interest in the item, but expand our knowledge and appreciation of the times which saw its use.

A case in point might well be the floral beaded deer hide and beaver fur coat featured in the Minnilusa Pioneer Museum's fur trade exhibit. By itself, the coat remains a testimony to the skill and

creativity of the Sioux Indian woman who made it, but a closer study can also reveal the degree to which it resulted from (and played a role in) the events of its day. Before attempting to describe it further, however, we should perhaps go back to a time before its existence, to the period of the fur trade, when the first non-Indians began appearing in the region.



Although the mountain men trappers and explorers who happened on the area were likely passing through on their way to the Rocky Mountains and beyond, history does record that one of them, at least - the famed mountain man Jedediah Smith - was

in fact the first white man to actually travel through the interior of the Black Hills, in 1823, and probably the first also to experience an encounter with a prairie grizzly bear - an occurrence which left his fellow mountain man, James Clyman, the task of taking needle and thread and re-attaching his scalp.

One who did remain, however, was a young American of French descent by the name of Thomas Lestang Sarpy. A member of a St. Louis family prominent in the fur trade, Sarpy was sent out to learn the business of the fur trade firsthand. After weighing the advantages and disadvantages of several sites, Sarpy constructed a fur trade post at the confluence of Rapid Creek and the Cheyenne River, just east of Rapid City, thus making him the region's first white resident. And, like a large number of trappers and traders of French extraction who lived and traded among the Sioux, Sarpy, too, married a Sioux woman. Unfortunately, however, his wife was left a widow with two daughters to raise, when, in 1832, at the age of 22, Sarpy was killed in an explosion that destroyed both him and his trading post.

West River Gardens

Pennington County Master Gardeners



The Western Dakota Native Gardens have just been notified that they are recognized as a Certified Backyard Habitat by the National Wildlife Federation. This acknowledgment comes to us from the effort of Master Gardener volunteer Jerry Button who researched the program and prepared the application. Look for a couple of permanent metal markers identifying the gardens as certified habitat—soon!

We are pleased to have this designation because it reflects our interest and commitment in creating an environment that contains plants appropriate to the area and attracts - in a balanced manner - a variety of animals, reptiles and insects.

Through the year we know that we host a growing variety of birds, ducks, rabbits, mice, voles (and this year Ralph, the City Rat who is currently in residence in the gourd

patch) garter snakes and the occasional wandering deer in addition to an increased amount of butterflies and a healthy population of insects. With this certification we hope to be able to have programs and information available to encourage others to learn and apply the natural habitat strategies in their own areas.

This was the first full year of growth on the 3rd Street berm and the New York Street berms. Wow! If we ever needed an example of the benefits of using city compost, those beds are it. The growth has been vigorous and healthy and at times, traffic stopping. Please take the time to walk through those areas.

This summer we finished writing the garden brochures and they are in the information boxes. There is one for the north area, one for the center and one for

the south. Each addresses the plants in those areas or discusses the challenges of growing in poor soil.

As the summer season winds down, take a minute and look at the repairs and restoration that are going on on the north and east sides of the building. Over 12 tons of city compost and at least that much old hay has been incorporated into the site. For the first time, the native flowers that will be planted in that area will come totally from our gardens.

Sadly, but absolutely consistent with the truth that gardens live and die, we report the demise of one of our four apple trees in the front. We plan to take it down in mid-October. We are not sure why it is failing and the other trees appear healthy.

Things grow; things die. That is the way of it. ~Cathie Draine



THE JOURNEY MUSEUM STORE

END OF SEASON SALE

STOREWIDE— 25% OFF

FRIDAY AND SATURDAY

SEPTEMBER 26-27

- Jewelry •Pottery •Knives •Art Cards
- Western and Victorian Decorating Accessories
- Large Selection of Regional Books
- Featuring Regional Artists and Quality Items at affordable prices
- Selected items up to 60% off daily! •Some exclusions apply

Enlist your friends and neighbors to save for The Journey Museum.

Bring these receipts and labels to the front desk collection bowl regularly. Save your Family Thrift, Prairie Market, and FTC Express register receipts which The Journey can redeem for cash. Save your labels: Campbell's Soup (all styles) and tomato juice, Prego sauces, Swanson broths and canned poultry, Pace salsa and picante, Pepperidge Farm cookies, crackers and frozen products. We'll redeem the labels for needed equipment.

The Journey Museum Board of Directors

- Bill Colson
- Al Cornella
- Rick DenHerder
- Tom Greene
- Jim Preston (non-voting)
- Martha Rodriguez (Council)
- Mike Sabers
- Bev Schlosser
- John Schmit (Chair)
- Sheri Settle
- Val Simpson (Vice Chair)
- Lon VanDuesen (non-voting)
- Bill Waugh (Council)
- Pat Wyss

Europe, Asia, the 'Home Front'— putting together puzzle pieces of World War II—Continued from page 1

Paul Jensen is particularly excited about displaying his father's World War II artifacts and historical documents. Too old to enlist, Leonel Jensen, longtime Wasta area rancher and banker, was a draft board member who drafted himself and then took a whole contingent of West River men to Basic Training. "They kicked him out because he was 38 years old even though guys wrote letters saying the 'old guy' outran and outshot everybody in the outfit," Paul Jensen says.

Leonel had connections with the Red Cross so he went overseas as assistant field director. By VE Day Leonel Jensen was in charge of Red Cross work within all 19 divisions in Europe as Senior Red Cross director in the European theater.

Remembering his ties with the South Dakota Historical Society, Jensen collected with an eye to historical perspective. Who could have guessed that the broken glass Jensen picked up in the street near the Cologne cathedral would find its way to the

stained glass windows of a church in Wasta? "If we get all this displayed correctly, it's like a huge puzzle scattered all the way across Europe for two years.—It triggers memories," Paul says.

Leonel Jensen stayed in Europe after surrender; then was invited to head the Red Cross in the Far East. "One war was plenty, Dad said, and came back and started ranching again," Paul said. "All he wanted to do was go home. He said, 'It was no damn fun.'"

Let's get technical: Fall and Winter Natural Science Lecture Series

Don't miss The Journey Museum's Natural Science Fall and Winter Lecture Series. The lectures will be held in the Wells Fargo Theater at the Journey at 7 p.m. with time for questions.

If you have ever wondered how our beautiful Black Hills were formed, here is your chance to hear the explanation in terms that you can understand. Dr. Jack Redden, Geology Professor Emeritus from

the South Dakota School of Mines and Technology, speaks Oct. 23, on "Birth of the Black Hills, from Atoms to Harney Peak."

Janet Carter from the United States Geological Survey office, principal investigator of the Black Hills Water Resources survey, speaks Nov. 6. Janet, a graduate of the South Dakota School of Mines and Technology, was instrumental in compiling the *Black Hills Water Resources Atlas*.

Bill Arbegast of the Advanced Material Processing Center at SDSM&T speaks on "Advance Joining and Forming Technology" on Jan. 22. Bill describes friction stir welding and laser deposition welding, the newest welding technologies being researched at the AMP Center under a grant from the Department of Defense. This interesting and enlightening talk will leave listeners thinking, "WOW, I didn't know that was possible."

THE JOURNEY MUSEUM

222 NEW YORK STREET
RAPID CITY, SD 57701

NON-PROFIT ORG
US POSTAGE
PAID
RAPID CITY, SD
PERMIT #11



VISIT YOUR HISTORY!
www.journeymuseum.org