

## THE JOURNEY MUSEUM

THE TURTLE  TIMES

Photo by Gary Hargens

## Gardens at The Journey—Gardening Briefs by Cathie Draine

One of the primary responsibilities of the Western Dakota Native Gardens at The Journey Museum is to teach about native plants and how to use them in contemporary gardens - along with using the gardens as a living exhibit area associated with the museum.

### Learn from the Labels

An extensive labeling project is well underway in the gardens. Many of the plants are labeled with their botanic and common name, information about the plant or its needs, and information about how long it has been in the garden. We hope that visitors will be encouraged to wander through the gardens and learn from the labels.

Mini-presentations will be given in the gardens in June and July to children in three short summer programs.

Two new garden information boxes have been installed - one near the beginning of the walkway from the north parking lot and one just south of the building. Material is being developed for two new areas in the gardens where plant material is being "trialed" to determine how it will do in our climate and soils.

"What's in the soil of a garden?"

Cathie Draine asked a group of young gardeners from the Discovery Project before they toured The Journey's gardens one June afternoon.

"Bugs! Bacteria! Worms!" they told her.

"And what do all those living things do for the soil that plants just love?" she asked them.

"They eat and poop!" the kids shouted. After Cathie's soil talk, kids and their adult leaders trooped around the grounds sniffing mint or sage, touching lamb's ears, and learning plant names.

Cathie Draine and the Master Gardener volunteers have not only made the Western Dakota Native Gardens at The Journey Museum a place for beauty and diversity, but also a place for enthusiastic learning.

**Be a kid again and discover a garden! Visit us at Western Dakota Native Gardens at The Journey Museum**

*More Gardening news and photos on page 7*


### News from Collections

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### SPECIAL POINTS OF INTEREST

 "Twilight in the Gardens." 5-8 p.m., Saturday evenings—July 19, August 16. Picnic and meet the Master Gardeners.

 August 5-Bikers' Reception. •Michael Lichter •Bike builders. •Book signing by Michael Lichter •Custom Bike competition



Sat. Sept. 20 –Sun. Sept 21 **Wild West Days** – enactors, demonstrators, food and family fun

Thurs. Oct. 3–Nov. 16  
**World War II Exhibit**

**Summer Hours: 9 a.m. – 5 p.m. daily**

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  
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**Visit us on the web at  
[www.journeymuseum.org](http://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

The Journey Museum is looking to the future and our path is becoming more defined. Thanks to the tremendous support we received during our Strategic Planning Session held on March 18, 2003, we have a better understanding of our mission and focus for the future.

When asked how the museum should best serve the community, the participants voted by a margin of nearly three to one that its most important role is education. Although the museum has worked very hard over the past six years to reach out to the educators in the community, a reordering of resource priorities or increased revenues will be necessary to meet this challenge. The efforts of our volunteers are what have affected the successes in our program throughout the years.

In order to fulfill the expectations of the community, it is necessary that the Journey Museum develop an education department that is consistent with the quality and status of the collections. Development of the education department must focus on and respond to the needs of the education community, promote the use of technology, and ensure that the programming generates revenue.

Also important is the need to constantly focus on the quality and content of the collections. We are in the final stages of refocusing and updating the Story Wall section of the museum. A huge thank you to Cathie & Leroy Draine, Bill Hughes, Gary Hargens, Scott Edwards, Jim Phoenix and the sponsorship of Greind Printing Center; their support has corrected a poor interpretation method and greatly enhanced our visitor's understanding of the interaction of the cultures in the Black Hills region. Our next focus will be on the Geology/Paleontology and Archaeology sections. We are interested in hearing from you. If you have any

thoughts or if you would like to help, please contact me.

It also may be time to add to the Pioneer Museum a very important event in the history of Rapid City, albeit more recent. That is the horrific flood of 1972. Preliminary discussions have taken place as to the feasibility of such a permanent exhibit. We have a plan and will be exploring methods to fund the project. If you are interested in being involved, please contact me.



Ray Summers,  
Executive Director

Finally, we will be having a World War II exhibit in the Stanford Adelstein Gallery titled "*Bringing It Home: The World War II Experience in the Black Hills.*" The exhibit is scheduled for October 3 through November 16, 2003 and will include numerous "storytelling" sessions on weekends and evenings during the exhibit. 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. Those interested in making a contribution of their story or artifact should contact the Journey Museum at 394-6923. The Journey Museum would also welcome a monetary contribution to help offset the cost of producing the exhibit.

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



**THE JOURNEY MUSEUM PRESENTS**  
***"Bringing It Home: The World War II Experience***

***in the Black Hills"***

**October 3 through November 16, 2003**

## Journey Museum Events for Summer 2003

### Sioux Indian Museum Gallery Exhibit:

May 18–July 18

Linda Szabo, artist: “Batiks, Silver and Gold”

### Stanford Adelstein Gallery Exhibit:

June 13–July 20

Donald Montileaux, Modern-Day Storyteller  
“A Retrospective Exhibition”  
50 paintings and drawings from 1968-2003

Saturday, July 19

Twilight in the Gardens 5-8 p.m.

### Rally Exhibits:

July 26–August 10

August 2–August 10

9 a.m.–6 p.m.

“Sturgis, the Photography of Michael Lichter”  
“Kick Start, The Art of the Chopper” with a dozen choppers  
\$5 includes museum admission

Tuesday, August 5

Free Bikers’ Reception with Michael Lichter and most  
of the bike builders present. Book signing by Michael  
Lichter 4:30–8:30 p.m.  
Custom Bike competition 11 a.m.–6 p.m.

### Stanford Adelstein Gallery Exhibit:

August 15–September 28

“American Phoenix: A Visual Perspective of Buffalo  
in the 21st Century”– Ray Tysdal  
Black/white photographs of buffalo

Friday, August 15

Opening Reception: “American Phoenix:/Buffalo”  
5–7 p.m.; free

Saturday, August 16

Twilight in the Gardens 5-8 p.m.

Tuesday, September 2

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

Sundays, September 7, 14, 28

Storyteller Series Buffalo, 2 p.m.  
\$2 (free with current museum membership)

September 19-21

Wild West Days–enactors, demonstrators, food and family fun  
Saturday, 7 p.m.–“Trial of George Armstrong Custer”

### Stanford Adelstein Gallery Exhibit:

October 3–November 16

“Bringing It Home–The WWII Experience in the Black Hills”

### Sioux Indian Museum Gallery Exhibit:

October 5–December 4

Quilts by Bonnie LeBeau



## South Dakota's Great Wall: Part 2 — the Ancient Rocks of the Central Core



Photo by Paul Horsted for the new book, *The Journey Museum*

### These ancient rocks

The metamorphic rocks exposed in the ancient core of the Black Hills were formed in the deep past as sedimentary, igneous, and even older metamorphic rocks. A few clues remain of their previous existence, but most original textures, mineralogy, and structures have been erased by subsequent mountain building events resulting in metamorphism; forming schists, phyllites, and other layered metamorphic rocks.

These ancient rocks were intruded deep beneath the Earth's crust first by the **Little Elk Granite** (2.52 billion years ago) then by the **Harney Granite** (1.7 billion years ago) as fingers of granite intruded into the foliated metamorphic rocks of what would become the Black Hills.

The fingers of resistant granite and intervening less resistant phyllite and

schist have subsequently been exposed and weathered during the uplift of the Black Hills to form finger-like "needles" of granite on Harney Peak and around Rushmore and Crazy Horse Mountains where the igneous rocks can be seen intruding into the ancient foliated metamorphic rocks.

The mountain building event marked by intrusion of the Harney Granite about 1,700,000,000 years ago caused older metamorphic and intrusive rocks of the Little Elk Granite to be metamorphosed into new types of metamorphic rocks, including the Little Elk Granite Gneiss.

### Slow cooling

The depth of crystallization of these granites is indicated by their large grain size, especially by that of the Harney Granite, indicating very slow cooling at great depth. The cooling was so slow that very coarse-grained granites, called **pegmatites**,

were formed having crystals up to many feet across and tens of feet long!

Pegmatites of the Black Hills are zoned and minerals segregated into zones, which supported an intense mining industry for minerals such as beryl, spodumene, and columbite/tantalite containing metals such as lithium, beryllium, columbium/tantalum and other rare elements and useful minerals such as muscovite and orthoclase.

The **Central Black Hills** are thus characterized by metamorphic and igneous rocks of ancient age which host impressive mineral deposits originating as several episodes of mountains rose and were eroded prior to inundation by the Cambrian sea (550 million years ago).

### Erosion of the "Ancients"

The last period of erosion of these "ancients" nearly leveled the area to a flat surface; an erosional surface that was subsequently buried as the Cambrian sea inundated the continent and reworked the loose surface debris into sedimentary rocks such as conglomerate, sandstone, and shale. Such buried surfaces of erosion are called **unconformities** and mark significant intervals of missing geological time.

Unconformities are indicated on the "Great Wall of South Dakota" by "light lines" to emphasize their importance. These ancient rocks are now exposed at the surface in the Central Black Hills because the Laramide uplift of the Black Hills about 65 million years ago raised the crust of the Earth into a giant blister-like a dome which has been eroded to expose the ancient core and progressively younger rings of sedimentary rocks surrounding the core like layers of a cut-through onion.

**In the next issue: The Ancient Rocks—Continued**

### THE JOURNEY MUSEUM PRESENTS

June 13–July 20 **Donald Montileaux, Modern-Day Storyteller**  
"A Retrospective Exhibition"



## Make mine “botanical” says local artisan featured at the Museum Store



Photo by Stella Hughes

A rhubarb leaf defines the shape for 4 bowls like this one before it “wears out” says potter Gail Heilmann.

Plates like these horse radish prints reflect the botanical discoveries of the potter and her friends.

Rapid City potter Gail Heilmann has worked with wheel and slab pots for years. But when she and a friend began experimenting with plant materials, her kiln began filling with porcelain and stoneware pieces she calls “botanicals.”

Gail grew up on a Colorado ranch. “I’ve always worked with crops and plants and stuff.” These days her “farmer’s eye” keeps watch for leaves which will lend shapes to bowls, plates and a variety of clay vessels. Rhubarb leaves, for example, make the imprints for lovely huge plates. I use whatever’s available—horse radish, collard, cabbage, grape leaves. My friends have gotten to the point where they’ll see something and pick it and then call me.”

Stop by the Museum Shop to see Gail’s microwave and dishwasher-safe botanicals. Be sure to read the accompanying cards which describe her connections with plant materials. “People use the pieces because it’s sort of nostalgic—like remembering the rhubarb and cabbage at Grandma’s farm.”



### THE JOURNEY MUSEUM STORE

## New on the shelves!

Filled with gorgeous color photos and brimming with informative bites of history, geology, archaeology and Sioux Indian Museum art, *The Journey Museum* is the ultimate book for tempting visitors to tour the museum.

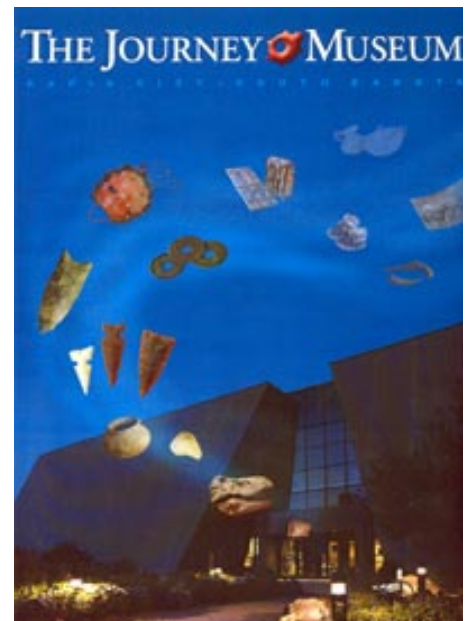
Produced and just published by Fenske Media Corporation, the 9x12 48-page book is available in paperback [\$9.95] or hardcover {\$19.95] format at the Museum Store.

Paul Horsted’s photos show the prizes of the five collections. Bev Pechan wrote the text, Neil Zetah did the design, Joan Hunter coordinated the project. Gary Hargens and Diana Miller edited the book with the cooperation of the four collection directors.

Take a close-up look at Valentine McGillicuddy’s medical instruments kit, Phoebe Heard Clawson’s Victorian hair wreath, the Big Missouri Winter count, a slice of Fairburn agate or “dig” coins from the recent Chinatown excavations at Deadwood.

If you’re a frequent visitor to The Journey, you’ll love re-visiting your favorite exhibits and probably learn some intriguing new facts. If you’re a Journey volunteer, the book offers “the big picture” not only of the collections but of the museum’s galleries, theater, and gardens.

**REMEMBER**—Your purchases in the store help support the Journey. Members receive 10% off their purchases, with some exceptions.



### THE JOURNEY MUSEUM PRESENTS



August 15–September 28 “American Phoenix: A Visual Perspective of Buffalo in the 21st Century”– Ray Tysdal

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www.journeymuseum.org

## The Sioux Indian Museum

Paulette Montileaux, Director



### Soldier Woman Batiks at the Sioux Indian Museum Gallery

The Sioux Indian Museum presents a series of changing exhibitions of contemporary arts and crafts created by American Indian artisans. The current exhibition is work created by Linda Szabo who signs her work as Soldier Woman. The name Soldier Woman was given to her by her grandmother. It was the same name given to her great-grandmother, who Szabo was very close to when she was growing up.

A multi-faceted artist, Szabo had been creating silverwork pieces for about 12 years, using sterling silver, 14K and 18K gold and complementing particular pieces with various stones. She learned the

art of silversmithing from her husband Paul Szabo, an accomplished nationally known silversmith. Only recently she began working in the art of 'batik.'

Originating in the Far East, Batik is an ancient art of decorating fabric achieved by 'painting' on cotton or silk with melted wax and dyeing the fabric repeatedly with cold-water dyes. She has mastered the traditional techniques, and uses Native American themes including tipis, dancers, as well as animals and flowers. Szabo has incorporated her own contemporary and unique style. This exhibition of Linda Szabo's work continues through July 18, 2003.



## The Minnilusa Pioneer Museum

Robert Preszler, Director



### Gifts of Birds and Beauty—Thanks to Two Special Collections

As should be apparent to anyone familiar with the function and purpose of museums such as the Minnilusa Pioneer Museum and The Journey, they could not exist without those whose donations of objects have, over time, created the collections and exhibits which feature them and ultimately the buildings which house them.

Without such generosity, the Pioneer Museum indeed would not exist. That it does, says much not only for the commitment of those whose gifts now comprise the museum's permanent collection and exhibits but the dedication and commitment of those whose contributions continue to support and promote the region's rich and varied history.



Of the great number of objects which the Pioneer Museum has received since its beginnings - materials which document our history from the periods of exploration and the fur trade, in the mid-19th century, to the earlier periods of the 20th - any number of objects and even entire collections could be singled out for mention for their historical importance, rarity and frequent aesthetic appeal.

The outstanding Behrens Collection of Birds & Mammals, for example, which occupies a space especially designed for it at The Journey, has served to educate generations of area school children about the extraordinary variety and number of species of wildlife which can be found in the region. Collected and mounted by pioneer rancher and merchant, Henry Behrens, between 1888 and 1911, the entire menagerie was obtained from within 25 miles of Rapid City and extends to more than 350 specimens.

While remaining in context with the philosophy which guides both its mission and collections policy, the Pioneer Museum can, at the same time, once again

point to the extreme diversity of the region's history and those who have passed through and enhanced it, by directing its attention to nearby Hill City and a French family who settled there in 1921. As in indication of the aforementioned 'aesthetic appeal' of the museum's collection, we have only to consider the art and antiques which the Guinet family brought to the Black Hills and which were subsequently donated to the museum by daughter, Aimee Guinet-Rowlett, in 1986. As stated by Aimee at the time of the gift, it was always her late father's wish that the collection of paintings, furniture and decorative objects remain in the Black Hills in the hope that it might contribute to the region's cultural legacy and the appreciation of present and future generations of Black Hills residents.

The Behrens and Guinet collections are, of course, just two which have been discussed. For a more thorough look at the entire range and diversity of the Pioneer Museum's collection and the history which it represents we would of course encourage you to visit.

# West River Gardens

## Pennington County Master Gardeners



The third annual All-City Plant Exchange was held in the lobby of the museum on May 17. We estimate that about 200 persons participated in this event, sponsored by the Pennington County Master Gardeners, the Rapid City Garden Club and The Journey Museum.



Photos contributed by Cathie Draine

not yet on the market. So, in that area, we are ahead of the curve. We are part of a partnership with Jolly Lane Greenhouse and the Nebraska Statewide Arboretum in this project.

Last fall the South Dakota Florists' Association agreed to support our Woody Habitat area for several years. As a result of their support we have been able to install a quantity of hard-to-find native wildflowers. Most are doing well. We have trilliums, shooting stars, native bluebells and several lovely wild lilies.

### Terra Nova Test Site

On the east edge of the far south berm along Third Street is an area marked Terra Nova Test Site. We planted approximately 18 ornamental perennials furnished to us by Terra Nova, a grower in Oregon. Some of these are quite lovely and it will be interesting to see if they thrive throughout the summer and survive the winter.

**WE NEED YOU AS A JOURNEY VOLUNTEER**

**Call Sheryl Starnes (718-0332) or Janet Rathbun (341-5663)**



### Great Plants for the Great Plains

On the west end of the Woody Habitat area we have planted the material we received from the Nebraska Statewide Arboretum. They have developed the Great Plants for the Great Plains program and we are testing their plants in this zone (4/4b).

These plants are developed from material collected in the wild. We are testing several plant selections that are being developed for the "green" industry but are

### Twilight Tours

The Master Gardeners have been asked to provide regular tours of the gardens to volunteers and visitors. We have arranged the following plan:

On Saturday, July 19 we are sponsoring "Twilight in the Gardens." We encourage folks to bring a picnic dinner to the gardens and use the picnic tables or spread a blanket on the lawn. Master Gardeners will be on the grounds, working in the gardens. We will be happy to talk with visitors, answer gardening questions and give tours of the gardens.

We will repeat the twilight tours on and Saturday, August 16 again from 5-8 p.m.



Photos by Donna Fisher



Detailed labeling in the gardens is part of The Journey Museum's education venue.

### The Journey Museum Board of Directors

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

## “Bringing It Home”

The museum’s WWII Exhibit Committee is soliciting individual experiences and artifacts from people who served in the conflict or maintained the home front. Those interested in making a contribution of their story or loaning an artifact should contact the Journey Museum at 394-6923. The Journey Museum would also welcome a monetary contribution to help offset the cost of producing the exhibit.



“A Snail’s Journey”  
2004  
Black Hills Quilters Guild  
Quilt now on display

The Archaeological Research Center

James Haug, Director



The Archaeological Center researchers use summer months for fieldwork. The current archaeological site in Deadwood is located on lower Main Street across from Tin Lizzie Casino. These photos show fieldworkers.



## Raffle winner shares thanks for “Shadow of the Bear” quilt

Jane Tufts, a teacher at Benjamin Franklin School in Park Ridge, Illinois, won the raffle for “Shadow of the Bear,” the fund-raising quilt made by the Black Hills Quilters Guild.

Tufts displayed the quilt at her school when it arrived. “The overwhelming reaction is one of genuine appreciation for the work and artistry that the ‘Shadow of the Bear’ represents,” she wrote.

“I am having the interior of my home painted this summer and I intend to paint the main hallway a color that will show off the Journey quilt. I plan to make it a focal point in my home. Please extend my warmest thanks to the Black Hills Quilters Guild. They have created a piece of art that I will cherish.”

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