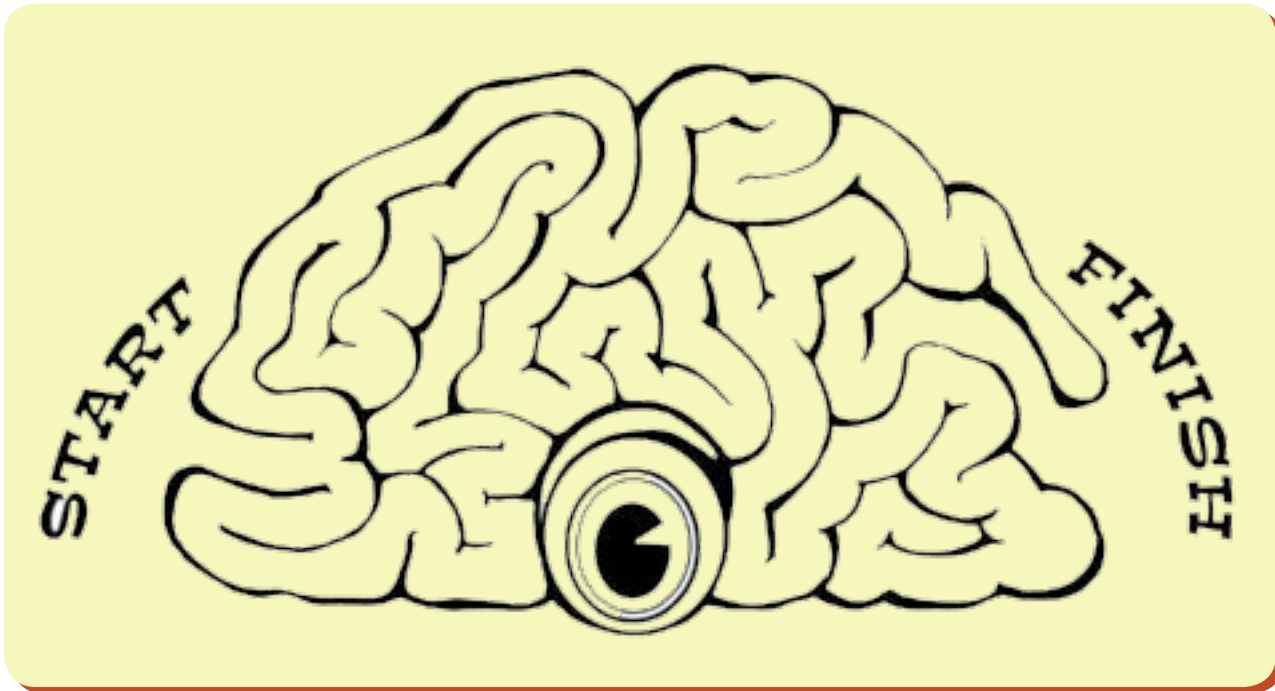


FALL 2011

MUSEUM MAGIC



Think it through!
Find your way through the brain maze!



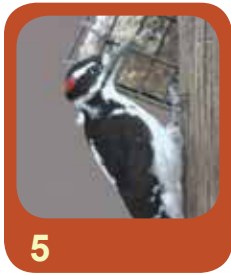
BRAVINS!

*The Brain Exhibit is on display at The Science Zone until Oct. 22. Don't miss it!
Coming soon, "Thoracic Park," starting Nov. 2.*

More fun inside!

Word games * Build a diorama * Bird identification * Quiz yourself * And more!

Who am I? Name-the-bird game



Match the names of the birds with the pictures.

- ___ Condor
- ___ Crow
- ___ Grouse
- ___ Hawk
- ___ Hummingbird
- ___ Jay
- ___ Kingfisher
- ___ Owl
- ___ Quail
- ___ Raven
- ___ Roadrunner
- ___ Rock Pigeon
- ___ Sparrow
- ___ Swallow
- ___ Turkey
- ___ Woodpecker

Bonus question:
Which is an endangered bird of prey?

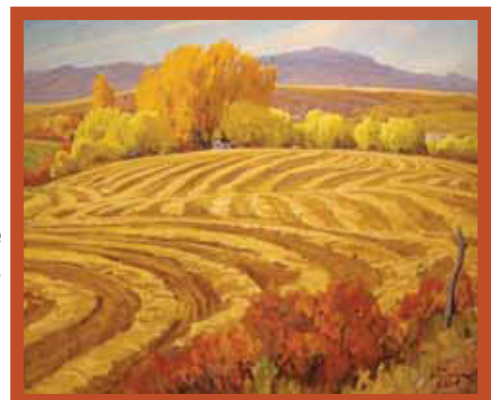
Photos from Wikimedia Commons, public domain images. Except owl, courtesy of Jenni Luckett and used with permission.

NIC plans special exhibit

Did you know the Nicolaysen has a permanent collection of artwork? There are about 6,000 pieces of art by many different artists in the collection.

One of these artist is Conrad Schwiering (1916-1986). The Conrad Schwiering Studio collection is the largest of the special collections at the NIC. The collection contains many landscapes, for which Schwiering was best known, in addition to artwork of people and animals.

The Nicolaysen will have an exhibition of his artwork from Sept. 30 to Jan. 8. Come visit the NIC and see if you recognize any of the places and animals that Schwiering loved to paint.



DIGGING DEEPER

Lots of different kinds of rocks can be found in the Casper area. Here are five (just to get you started) that can be found within a 10-minute drive.

Shale is made of very tiny grains of silt cemented together. The shale in the Casper area is generally grey.

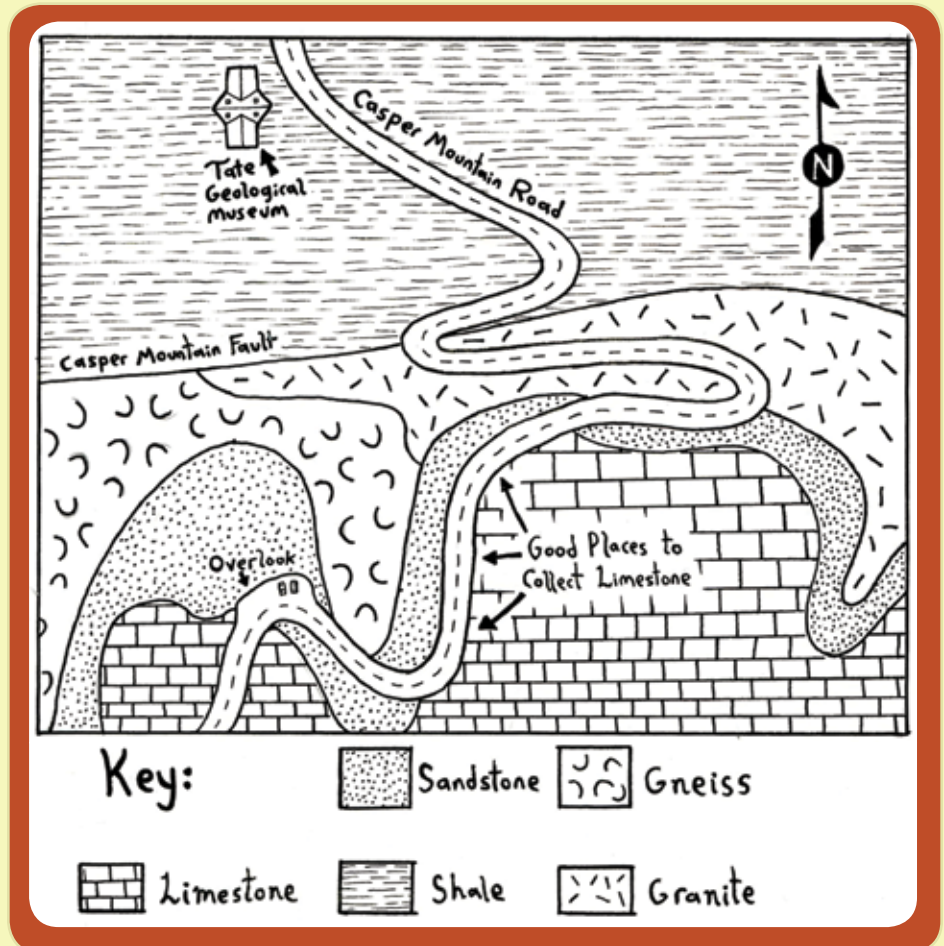
Granite is a chunky rock made of feldspar, mica and quartz. The granite at the base of the north slope of Casper Mountain is pink or reddish.

Sandstone is made of grains of sand cemented together. The sandstone on Casper Mountain is yellowish brown.

Limestone fizzes if you drop vinegar on it. Casper Mountain's limestone ranges from white to yellowish to grey.

Gneiss (pronounced "nice") is dark with light stripes running across it.

Go on your own scavenger hunt for rocks! The next time your family drives up Casper Mountain, stop at the roadcuts and see if you can find a specimen of each of these rocks. The map below shows where each of the rock types are found. If you find any "mystery rocks," the staff at the Tate Geological Museum will be happy to tell you what they are.



Wild words: Find an animal name

Change just one letter in each word to make the name of an animal.

Milk _____ Sleep _____

Noose _____ Spunk _____

Beader _____ Box _____

Golf _____ Sat _____

Leotard _____ Page Groupe _____

Stake _____ Other _____

Elm _____ Rear _____

Fort Caspar Museum

Discovering Dioramas

Visitors of all ages at Fort Caspar Museum learn about the past through displays and activities.

One kind of museum display is called a diorama. A diorama is a miniature or full-size model of a historical event, nature scene or cityscape.

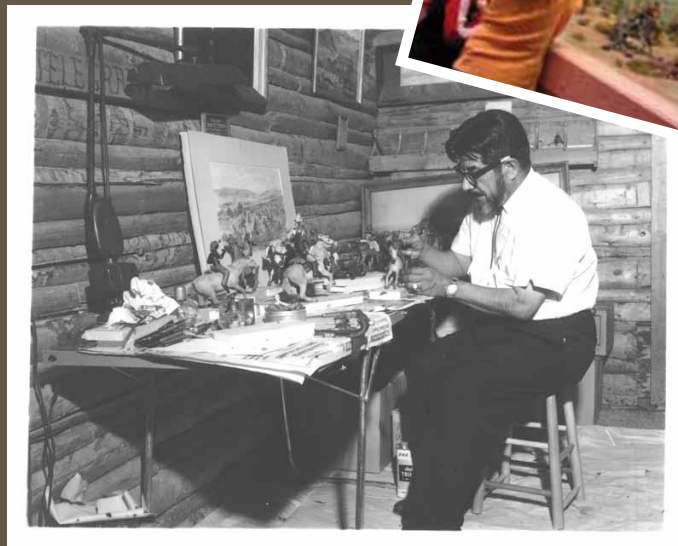
Fort Caspar has three dioramas. The special one pictured here illustrates the Battle of Platte Bridge. It was made in 1965 by Juan Menchaca, just for the museum.

History at Home

Use an old shoebox to make a diorama about your favorite place or activity in Casper. Don't forget to use your imagination!

Use the box to the right to sketch your plans for your very own diorama!

Below, Juan Menchaca creates a diorama for Fort Caspar Museum. (FCM picture)



starry nights

1. A bright object that shines in the night sky
2. A group of stars, gas and dust held together by gravity
3. A frozen ball of dust and gas revolving around the sun
4. Our galaxy
5. Time it takes the Earth to spin once on its axis
6. Area where gravity is so strong not even light can escape
7. The hazy-looking patch surrounding the nucleus of a comet
8. A large object moving around the sun
9. A rock or minor planet orbiting the sun
10. An imaginary straight line on which an object rotates, or spins
11. How much matter an object contains
12. Distance light travels in one year

Word List

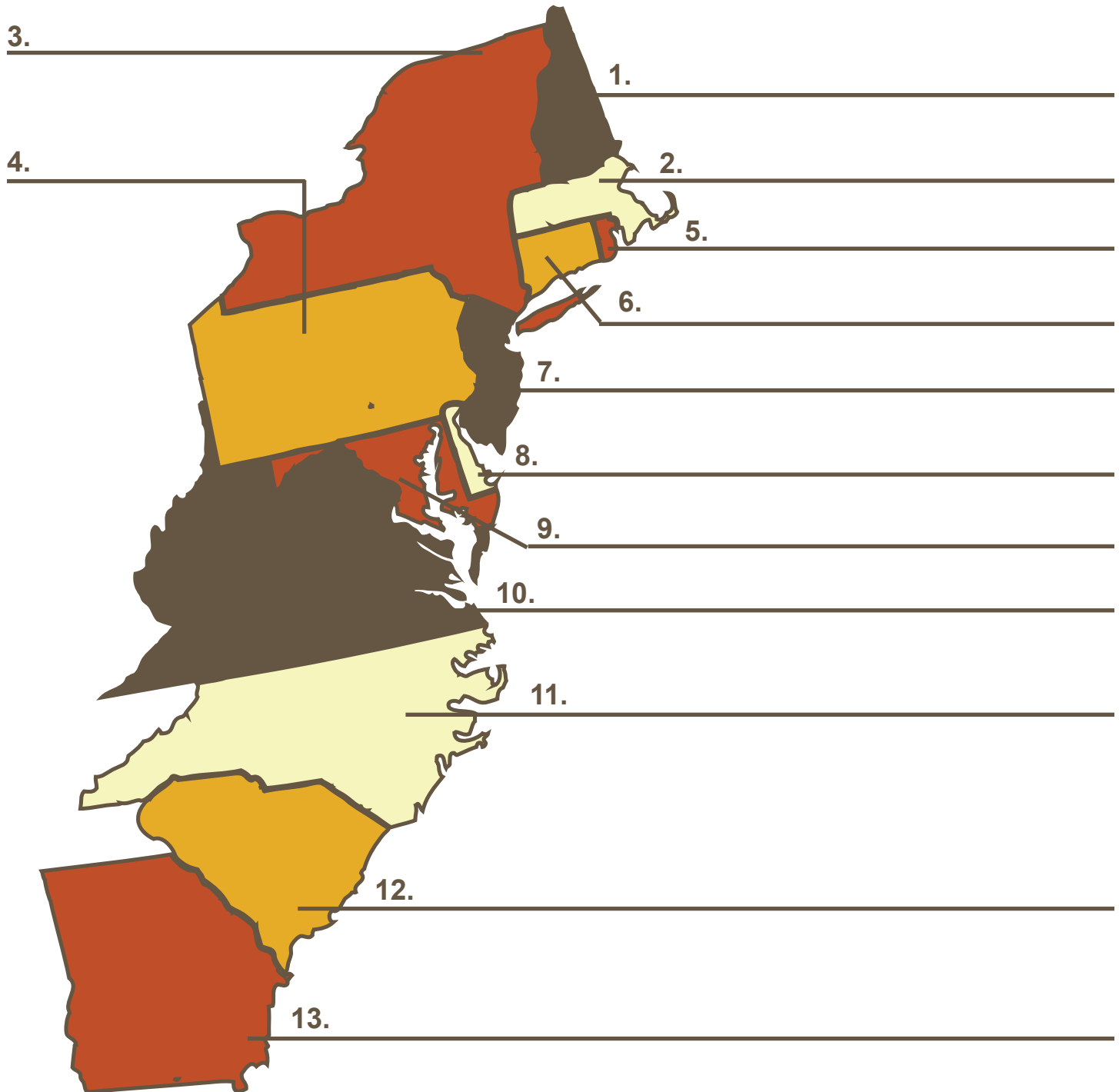
Match the word to its definition.

- ___ Asteroid
- ___ Axis
- ___ Black Hole
- ___ Coma
- ___ Comet
- ___ Day
- ___ Galaxy
- ___ Light year
- ___ Mass
- ___ Milky Way
- ___ Planet
- ___ Star

My Diorama

Identify the original colonies

The 13 Colonies were British colonies established on the Atlantic Coast of North America between 1607 and 1733. They declared their independence in the American Revolution and formed the United States. Can you identify all 13 Colonies?



Picturing the past



Photograph: Harper's Weekly, November 2, 1867 photographed by Savage, Salt Lake City from a painting by George M. Ottinger. Library of Congress, Prints and Photographs Division

Use the picture to help answer the following questions:

1. What two forms of communication can you name in the photo?

2. The first Overland Telegraph line was completed On October 24, 1861, when lines from east and west were joined at Salt Lake City, Utah. Why was the new invention pictured above called the Talking Wire by some?

- a. Voices could be heard coming out of the wire.
- b. People talked to the wire for advice.
- c. The wire could communicate messages for long distances.

3. The new speedy form of communication was useful to all. It aided in commerce, politics, and even gossip. Operators of the New York and Boston Magnetic Telegraph Association had to be warned in a Circular of 1848: "Much useless talk has been indulged among many operators ... The operator who is found talking about the weather, Broadway amusements, or like frivolous concerns, over the Line, will have early notice that his services can be dispensed with." How has the speed of information sharing changed since the 1800s?

- a. Communication is slower now.
- b. Communication is faster now than ever.
- c. Communication is the same speed as in the 1800s.

4. How do you think we will share information tomorrow? _____

Audubon Center at Garden Creek

101 Garden Creek Rd.
Casper, WY 82601
(307) 473-1987
www.audubonwyoming.org
wpeters@audubon.org

Casper Planetarium

900 N. Poplar St.
Casper, WY 82601
(307) 577-0310
www.casperplanetarium.com
\$2.50 admission for events

Fort Caspar Museum

4001 Ft. Caspar Rd.
Casper, WY 82604
(307) 235-8462
www.fortcasparwyoming.com

National Historic Trails Interpretive Center

1601 N. Poplar St.
Casper, WY 82601
(307) 261-7700
www.blm.gov/wy/st/en/NHTIC.html

Nicolaysen Art Museum & Discovery Center

400 E. Collins Dr.
Casper, WY 82601
(307) 235-5247
www.thenic.org

Science Zone

111 W. Midwest
Casper, WY 82601
(307) 473-ZONE
www.thesciencezone.org

Tate Geological Museum

125 College Dr.
Casper, WY 82601
(307) 268-2447
www.caspercollege.edu/tate

Werner Wildlife Museum

405 E. 15th St.
Casper, WY 82601
(307) 235-2108

Wyoming Veterans' Memorial Museum

3740 Jourgensen Ave.
Casper, WY 82601
(307) 472-1857 or
(307) 251-1654
www.wvmm.org

Coming Up ...

AUDUBON CENTER AT GARDEN CREEK

Nature Center open 9 a.m.-4 p.m.
Mondays-Fridays
and by appointment
Nature Trail open sunrise to sunset.
Please sign guest book on porch and leave
a donation, if possible.

CASPER PLANETARIUM

Legends of the Night Sky
4 p.m. Tuesdays-Thursdays through Nov. 12
Skywatchers of Africa
7 p.m. Saturdays through Nov. 12
Heart of the Sun
8 p.m. Saturdays through Nov. 12
Laser Perseus
4 p.m. Oct. 13-15, 20-22, 27-29
Fright Light
7 & 8 p.m. Oct. 13, 20, 27
Laser Zeppelin
7 & 8 p.m. Oct. 14, 21, 28
Laser Dark Side of the Moon
7 & 8 p.m. Oct. 15, 22, 29
George & Oatmeal Save Santa
7 p.m. Nov. 18-19, Dec. 2-3, 9-10, 16-17, 30
Star of Bethlehem
8 p.m. Nov. 18-19, Dec. 2-3, 9-10, 16-17, 30
The Little Star That Could
11 a.m. Dec. 27-29

FORT CASPAR MUSEUM

September
Museum & fort open
8 a.m.-5 p.m. daily
Admission — \$3/adult; \$2/youth (13-18);
free/kids 12 and under
Winter (Oct.-April)
Fort closed; museum open
8 a.m.-5 p.m. Tuesdays-Saturdays
Admission — half-price
Play Time: Toys from the Museum Collection
Explore toys and games from times past!
Make sure to visit Imagination Station, a
special area just for kids.

NATIONAL HISTORIC TRAILS

INTERPRETIVE CENTER

Winter
Open 9 a.m. - 4:30 p.m.
Tuesdays-Saturdays
Admission — \$6/adult (16+); \$5/senior
(62+); \$4/student (16+ w/ school ID); free/
youth under 16; group and school rates
available

NICOLAYSEN ART MUSEUM & DISCOVERY CENTER

10 a.m.-5 p.m. Tuesdays-Saturdays;
noon-4 p.m. Sundays
\$5/adult; \$3/child; free for members;
Free Family Sundays
**The Landscapes of Conrad Schwiering:
Secrets from the Studio**
Opening Sept. 30
5 p.m. members-only artist talk
6 p.m. public opening reception
On exhibit: Sept. 30-Jan. 8
**Contemporary Art & Science: Laura Splan,
Helen Otterson & Kysa Johnson**
On exhibit: Sept. 30-Jan. 8
November Art Show & Sale
Nov. 10-12
Preschool Picassos — Call to register
Ages 2-5 with parent/adult
10:30-11:30 a.m. Wednesdays
Each class: \$2/members; \$3 non-members
Home School Art — Call to register
K-2 home-schoolers
1-2 p.m. & 2-3 p.m. Wednesdays
1-2 p.m. Fridays
Gr. 3-8 home-schoolers
2-3 p.m. Wednesdays & Fridays
Each class: \$2/members;
\$3 non-members
*** Classes change weekly, not each session*
Teen Art in the Afternoon — Call to register
Grades 7-12
3:30-4:30 p.m. second Friday of each month
Each class: \$5

TATE GEOLOGICAL MUSEUM

9 a.m.-5 p.m. Mondays-Fridays
10 a.m.-4 p.m. Saturdays
Free admission
National Fossil Day Open House
3-6 p.m. Oct. 12
5:30 p.m. lecture on T. rex and lee Rex
Annual Holiday Open House
10 a.m.-4 p.m. Dec. 3

SCIENCE ZONE

10 a.m.-5 p.m. Mondays-Saturdays
\$4/adult; \$3/child; free/under 2
Family or Grandparent Memberships: \$75

WERNER WILDLIFE MUSEUM

8:30 a.m.-5 p.m. Mondays-Fridays
Free admission

WYOMING VETERANS' MEMORIAL MUSEUM

9 a.m.-4 p.m. Tuesdays-Saturdays
Free admission

Answers: Page 2 "Who Am I?" — 10, 6, 3, 8, 15, 7, 14, 13, 4, 1, 16, 2, 11, 12, 9, 5, Page 4 "Wild Words" — Mink, Moose, Beaver, Wolf, Leopard, Snake, Elk, Sheep, Skunk, Fox, Cat (or Bat or Rat), Sage Grouse, Otter, Bear, Page 5 "Starry Nights" — 9, 10, 6, 7, 3, 5, 2, 12, 11, 4, 8, 1, Page 6 "13 Colonies" — 1, New Hampshire, 2, Massachusetts, Page 7 "Picturing the Past" — 1, Telegraph and Pony Express, 2, c, 3, b