

Volunteer Opportunity: CVIP Restoration or Invasive Species Control (Friday, April 30)

Members may assist park staff in restoring Grand Canyon's native plant communities while learning about the park's vegetation program. Volunteers will need to bring their own sack lunch, three quarts of water, and wear closed toe shoes, long sleeves and long pants. All tools and safety equipment, including work gloves, will be provided. *Space limited to 20 participants.*

Member Mingle with the Grand Canyon Association Staff

Join GCA staff for a recap of our past year and a discussion of upcoming activities of the association. The mingle is a great place to meet other GCA members who share your passion for the canyon, and it will also mark the second annual silent auction featuring fine art donated by regional artists to benefit educational park programs.

Park Administrators, Grand Canyon Association Staff and You (Welcome Session)

Join us for this informative panel session to learn what's new with the expanding partnership between the park and GCA. Members of the NPS management team and GCA's board and executive staff will be on hand to answer all of your questions.

A Walk in the Woods: A Tour of South Rim Forests and Trees with John Holmes

Grand Canyon forests are diverse and unique. Take an interactive walk to learn and discuss natural history and issues facing forests on the rim. *Space limited to 20 participants per session.*

Associations—What's in a Name? The Grand Canyon, John Wesley Powell, and George Eastman with Richard Quartaroli

People and places are often associated, names and locations taking on aspects of image and reality. To many, the Grand Canyon is located in Nevada; to the Postal Service, Colorado. Join Richard Quartaroli, Northern Arizona University Special Collections Librarian and GCA lifetime member, to see how John Wesley Powell (short, one-armed Civil War Major) and George Eastman (the Bill Gates of His Time) might consider the Grand Canyon. *Space limited to 30 participants per session.*

Celebrate Wildlife Day with NPS (CWD)

Join Grand Canyon Rangers and Wildlife Biologists for a fun and educational celebration of the park's wildlife. Special programs, interactive exhibits, educational demonstrations and live animals from the Adobe Mountain Wildlife Center of Phoenix, Arizona will be highlights of this day-long event. Scheduled CWD talks in our programming are: "Horn Toads & Gila Monsters: The Reptiles and Amphibians of Grand Canyon," by Park Ranger Marker Marshall; "Where the Wild things Live: Animals and Their Habitats in Grand Canyon," by Allyson Mathis; and "Batty about Bats," by *Bat Ranger* Pam Cox. There will be a special speaker for the CWD evening program. For updated information on Celebrate Wildlife Day, please refer to this website link (www.nps.gov/grca/naturescience/wildlife-day.htm).

Canyon Experiences: Sublime to Silly with Gary Ladd

Many canyon trips are carried out as planned—facts are uncovered, beauty is exposed and experienced, and hazardous routes are negotiated with aplomb. But not every trip into the Grand Canyon proceeds as intended; blunders, surprises and preposterously unlikely situations can and do occur. And although you just never know what might happen, the experience is almost always worth it. Join Gary Ladd, an award-winning landscape photographer, on a photographic trip into the Grand Canyon. *Space limited to 30 participants per session.*

Cemetery Tour with Stew Fritts

Join Stew Fritts for an evening cemetery walk at the Old Pioneer Cemetery. Stew gives a fascinating presentation on some of Grand Canyon's more interesting characters, both old and not so old, who were buried in our local cemetery. Dress warmly and bring a flashlight. *Space limited to 20 participants.*

Grand Canyon: Changing Past, Uncertain Future with Carl Bowman

The story of Grand Canyon is a story of change. From the many rock layers in its walls, to the river that carved it, Grand Canyon is the product of almost two billion years of changing climates. How are these changes reflected in the canyon and what changes can we expect in the future? Carl Bowman, NPS exhibit specialist and former air quality specialist, takes a look at the lessons Grand Canyon can teach us about our uncertain climatic future. *Space limited to 30 participants per session.*

Programs, cont'd...

Hike to Historic Hull Cabin with Jack Pennington

Hull Cabin is listed on the National Register of Historic Places and is the oldest surviving historic cabin near the Grand Canyon's south rim. Built in 1889 as a sheep ranch, it was acquired in 1907 as a Forest Service ranger Station and was shut down in the 1980s, threatening its continued preservation. This beautiful hike through the ponderosa woodland to Hull Cabin will take you through a series of closed forest roads and is approximately 3 miles round trip. Members are asked to wear good hiking footwear, and bring water and a snack for this hike. *Space limited to 20 participants.*

Kolb Bros. Movie and Tour at Historic Kolb Studio with Patty Brookins

Join us in the gallery at historic Kolb Studio, perched on the rim of the Grand Canyon, for a re-creation of the famous river-running movie shot by the Kolb Brothers, complete with Emery Kolb's narrative. Don't miss this chance to step back in time and re-live the magic of that trip through Emery's eyes. At the conclusion of the movie, GCA staff will take you on a tour of the living quarters and share stories. *Space limited to 20 participants per session.*

National Park Service Museum Collection Tour with Colleen Hyde

Take a tour of the Grand Canyon National Park Museum Collection with a member of the museum collection curation staff. The collection includes everything Grand Canyon, from split-twig figurines to ancient pottery to rock and mineral samples to a piece of a John Wesley Powell boat. This fascinating behind-the-scenes tour will show you a part of Grand Canyon rarely seen by the general public. *Space limited to 15 participants per session.*

Night Sky over the Grand Canyon with Joe Orr

Learn a little about that "other half" of the Grand Canyon with Joe Orr, a board member of the San Antonio Astronomical Association and a guide for Ceiba International. Using only our eyes and a green laser pointer, we'll learn the constellations of spring and their mythology, the names of the bright stars, what planets are visible, how to find north and even how to tell time by using the stars. Bring a red-beam flashlight or headlamp if you have one, and be sure to dress warmly. We'll stay until the last person leaves or the sun comes up! *Space limited to 20 participants per session.*

Tamarisk in the Grand Canyon with Talise Dow

Join us for this informative presentation about the history of tamarisk presence and control within Grand Canyon. What has happened and what will happen next? Tamarisk is an invasive non-native tree from Eurasia that has transformed riparian areas across the southwest. The tamarisk beetle was released more than four years ago in Utah as a biological control agent, and has since migrated to parts of the Grand Canyon. This presentation focuses on Grand Canyon's efforts to manage tamarisk from the tributaries of the Colorado River and discusses the future of tamarisk along the Colorado River corridor as it faces beetle predation and the opportunities for restoration management. *Space limited to 30 participants per session.*

Walk on the Rim with Geologist Wayne Ranney

Take a one-hour walk along a world-class geologic feature (the Grand Canyon) with geologist and author Wayne Ranney. Although it has been studied for more than 150 years, the canyon's size and complexity renders it an unknown in many respects. Learn how to spot rock formations, see and understand the Supergroup rocks, and hear how this mighty chasm may have formed. *Space limited to 20 participants.*

Shoshone Point Luncheon (Optional and Additional fee)

Join your fellow members for lunch at spectacular Shoshone Point. A shuttle will be available for transport to the gate. From the gate you have a choice of hopping on another shuttle or walking the beautiful one mile to the point. Due to limited parking at Shoshone Point, only private vehicles of members with physical difficulties will be allowed to park at the point. *Please note that the limit is 75 attendees and offered on Saturday only.*