Editor’s Note: This article was found at http://nssdc.gsfc.nasa.gov/planetary/lunar/moon_tree.html. It is an interesting story about the Forest Service and its small link to the Apollo program.

Apollo 14 launched in the late afternoon of January 31, 1971 on what was to be our third trip to the lunar surface. Five days later Alan Shepard and Edgar Mitchell walked on the Moon while Stuart Roosa, a former U.S. Forest Service Smokejumper, orbited above in the command module. Packed in small containers in Roosa’s personal kit were hundreds of tree seeds, part of a joint NASA/USFS project. Upon return to Earth, the seeds were germinated by the Forest Service. Known as the "Moon Trees", the resulting seedlings were planted throughout the United States (often as part of the nation's bicentennial in 1976) and the world. They stand as a tribute to astronaut Roosa and the Apollo program.

The project began after Roosa was chosen for the Apollo 14 mission. Ed Cliff, Chief of the Forest Service, knew of Stuart Roosa from Roosa’s days as a smokejumper and contacted him about bringing seeds into space. Stan Krugman of the Forest Service was put in charge of the project and selected the seeds for the experiment. Seeds were chosen from five different types of trees: Loblolly Pine, Sycamore, Sweetgum, Redwood, and Douglas Fir. The seeds were classified and sorted, and control seeds were kept on Earth for later comparison. Roosa carried about 400 - 500 seeds in his personal kit which stayed with him as he orbited the Moon in the command module "Kitty Hawk" in February, 1971. Unfortunately, the seed cannisters burst open during the decontamination procedures after their return to Earth, and the seeds got mixed together and were presumed to be no longer viable.

See Moon Trees, page 3
From The President

As we prepare to initiate a Capital Campaign I am asking all members to review our vision of future Museum programs as described below. Your feedback is important to help us develop effective programs to preserve Forest Service history and to work with other groups with the same goal. The Museum program below is from the Information Book we are developing for the Capital Campaign.

Dedicated volunteers established the Museum in Missoula, Montana in November 1988. It is a private non-profit (501(c)3) organization whose goal is to preserve and interpret the history of the USDA Forest Service and to educate the public about the history of the agency and its role in conservation. The Museum program is national in scope. We actively support and encourage Forest Service programs to preserve its history.

The Museum has a 36-acre building site located near the Missoula International Airport. We have begun planting an arboretum and restored the Bungalow Ranger's Residence, a 1920s era sawn timber building from Idaho’s Clearwater National Forest, on the site. We have accumulated a small collection of historical artifacts and archives. We plan to begin a national fundraising campaign this year. The Museum program is envisaged as:

"Our Vision"

The Museum program will expand upon completion of the fundraising campaign and as staff and expertise increase over time.

1) Build a Museum — The museum will serve as a headquarters for staff and volunteers working to preserve Forest Service history on a national scale. Museum exhibits are educational and attract public interest. All areas of the Forest Service are included — Research, State and Private Forestry, International Programs, and the National Forest System. Traveling displays are developed and loaned to other facilities across America. The building will meet Federal design standards for storage of historical artifacts.

2) Preserve Historical Objects & Documents — The Museum collaborates with the Forest Service to expand the existing facility to a national repository for artifacts, records, publications, documents, and memorabilia relating to the history, programs, activities and culture of the Forest Service for the enjoyment of the general public as well as active employees of the Forest Service. All information is accessible. The collection policy identifies desired historical items to be accepted from individuals and loaned by the Forest Service.

3) Provide Conservation Education — Understanding of conservation history is critical to future public support for the care of America’s forests and grasslands. Examples of past accomplishments and lessons learned are taught. We will help people understand the choices required to protect forests and grasslands. Retirees will talk to Forest Service employees about agency history and traditions so that current employees can become more effective stewards of the land. The Internet and traveling displays are used to tell the history of our conservation legacy across the country.

4) Link with other Forest Service History Sites — The Museum will actively cooperate with other forest history sites across the country for the purpose of exchanging information, sharing artifacts and providing technical curation advice. Traveling exhibits, seminars and presentations of all types will be shared. We will develop a national directory of forest history sites and resources.

5) Honoring People — Preserving the history of forest and grassland conservation honors a century of work by many dedicated people and organizations. History comes alive through the experiences of people. Personal papers and biographies help tell our history. We continue to accept donations to the Forest Service History Memorial. Individuals, living or deceased; and groups who have contributed to the mission of the Forest Service are eligible.

Achieving the Goal

The Forest Service centennial is in 2005. Preserving agency history requires money and resources. Neither the Forest Service nor private groups now have the resources or expertise to adequately preserve Forest Service history. We want that situation to change. Now is the time for interested people across the United States to support action to preserve Forest Service and conservation history.

Sincerely,
Gray Reynolds
Moon Trees, from page 1

Stan Krugman had the seeds sent to the southern Forest Service station in Gulfport, Mississippi and to the western station in Placerville, California to attempt germination. Surprisingly, nearly all the seeds germinated successfully, and the Forest Service had some 420 to 450 seedlings after a few years (some from cuttings). Some of these were planted with their earth-bound counterparts as controls, (as would be expected, after over twenty years there is no discernable difference) but most were given away in 1975 and 1976 to many state forestry organizations to be planted as part of the nation's bicentennial celebration. These trees were southern and western species, so not all states received trees. A Loblolly Pine was planted at the White House, and trees were planted in Brazil, Switzerland, and presented to the Emperor of Japan, among others. Trees have also been planted in Washington Square in Philadelphia, at Valley Forge, in the International Forest of Friendship, and at various universities and NASA centers. The Moon Tree shown at left is a sycamore growing at Koch Girl Scout Camp in Cannelton, Indiana. A list of Moon Tree locations can be found below.

Sadly, Stuart Roosa passed away in December, 1994. The Moon Trees continue to flourish, a living monument to our first astronaut class of 1966 and was part of the astronaut support crew for Apollo 9. Following Apollo 14, Roosa was backup command module pilot for Apollo's 16 and 17. He then worked on the Space Shuttle program until his retirement as a Colonel in the Air Force in 1976, the time when many of his trees were being planted.

Known Moon Tree Locations

- Auburn University, Alabama G.W. Andrews Forestry Sciences Lab Loblolly Pine 22 October 1976
- Birmingham, Alabama, Birmingham Botanical Garden, Sycamore, April 1976
- Montgomery, Alabama, State Capitol, Loblolly Pine, April 1976
- Tuscaloosa, Alabama, Ivy Green, Loblolly Pine, 19 October 1976
- Flagstaff, Arizona, Flagstaff Jr. High School, Douglas Fir, 30 April 1976
- University of Arizona, Tucson Arizona, Kuiper Space Sciences Building, Sycamore, 30 April 1976
- Ft. Smith, Arkansas, Sebastian County Courthouse, Loblolly Pine, 15 March 1976
- Arcata, California, Humboldt State University, 3 Redwoods
- Monterey, California, Friendly Plaza, Redwood, July 1976
- San Luis Obispo California, Mission Plaza, Redwood, 30 July 1976
- Cape Canaveral, Florida, Kennedy Space Center, Sycamore, 25 June 1976
- Gainesville, Florida, University of Florida, Sycamore,
- Perry, Florida, Forest Capital Park, Loblolly Pine, 26 April 1978
- Tallahassee, Florida, Cascades Park, Sycamore
- Tallahassee, Florida, Doyle Conner Building, Loblolly Pine
- Moscow, Idaho, University of Idaho, Sycamore
- Cannelton, Indiana, Camp Koch Girl Scout Camp, Sycamore, 1976
- Indianapolis, Indiana, Indiana Statehouse, Sycamore, 9 April 1976
- Lincoln City, Indiana, Lincoln State Park, Sycamore, 1 May 1976
- Tell City, Indiana, Forest Service Office, 2 Sweetgums, 1976
- Atchison, Kansas, International Forest of Friendship, Sycamore
- Elmer, Louisiana, Palustris Experimental Forest, Loblolly Pine April 1976
- Bethesda, Maryland, Society of American Foresters, Loblolly Pine 30 September 1975
- Greenbelt, Maryland, Goddard Space Flight Center, Sycamore 9 June 1977
- Holliston, Massachusetts, Holliston Police Station, Sycamore April 1976
- Mississippi, St. Univ. Mississippi, Dormian Hall, Sycamore, 1975
- Waynesboro, Mississippi, Forestry Commission Nursery, Sycamore
- DeSoto, Missouri, Walthers Park, Sycamore
- Pisgah National Forest, North Carolina, Cradle of Forestry Sycamore

Continued on page 4
From the Editor and Executive Director

Frank McKinney

I would like to give the membership a report on the Annual Giving Campaign we kicked-off in late October 2003. As you recall, you received a letter at that time giving you the opportunity to assist the National Museum of Forest Service History financially. The membership of the Museum stepped-up and donated a total of $10,628.00.

As stated in the original letter that went out to you folks, this funding would be used for general operating expenses. With this funding, we were able to finish 2003 in the black by almost $300.00. Thank you so much for your support. If you continue this support, we should have another successful year.

As it has been with many people in the US these days, Uncle Sam has called me to serve and serve I must. On February 29th, 2004 I will be leaving Missoula for about fourteen weeks of Active Duty for Training with the United States Air Force. I will be spending those weeks at Ft. George G. Meade, Maryland in the Defense Information School’s Basic Writer/Editor course. While I am gone, Vice President Dave Stack will be taking care of everyday business for the organization. The e-mail address, physical address, phone and fax numbers remain unchanged. However, there may be some time lag between your initial communication and our response. Your patience is very much appreciated.

I must make a correction in the November 2003 issue of the Newsletter. One of our members Mr. Joe Flynn writes:

May I correct the "William Cummings (L) & Edwin F. Smith (R) photo ---(1964) on the front page of the November 2003 Newsletter. The names are reversed. Smith is on the right, Cummings on the left. (Scollay Parker, retired DR on the Eldorado NF & raised near the Cummings ranch, concurs in this). ■

Moon Trees, from page 1

• Jefferson County, Ohio, Friendship Park, Sycamore, 29 July 1976
• University of Oregon, Eugene Oregon, Erb Memorial Union, Douglas Fir
• Roseburg, Oregon, U.S. Veteran's Hospital, Douglas Fir, 3 May 1976
• Oregon State University, Corvallis Oregon, Peavy Hall, Douglas Fir, 1976
• Salem, Oregon, State Capitol Building, Douglas Fir, 30 April 1976
• Salem, Oregon, Private Residence, 2 Douglas Firs, 1973
• Ebensburg, Pennsylvania, Cambria County Courthouse, Sycamore, 29 June 1976
• Hollidaysburg, Pennsylvania, Highland Hall, Sycamore, 5 May 1976
• King of Prussia, Pennsylvania, Lockheed Martin, Sycamore, 30 June 1976
• Newtown/Langhorne, Pennsylvania, Core Creek Park, Sycamore, 30 April 1976
• Philadelphia, Pennsylvania, Washington Square, Sycamore, 6 May 1975
• Knoxville, Tennessee, University of Tennessee, Loblolly Pine April 1976
• Sewanee, Tennessee, University of the South, Sycamore, April 1976
• Tullahoma, Tennessee, Arnold Air Force Base, Loblolly Pine, April 1976
• Olympia, Washington, State Capitol Building, Douglas Fir
• Washington, D.C., White House, Loblolly Pine
• Huntsville, Alabama, U.S. Space and Rocket Center, 5 Sycamores, 2 Pines*, 29 October 1976
• Tuskegee, Alabama, VA Hospital (CAVHCS), Loblolly Pine*, 1976
• Little Rock, Arkansas, Forestry Commission Headquarters, Loblolly Pine*, 15 March 1976
• Monticello, Arkansas, University of Arkansas at Monticello, Loblolly Pine*, 1977?
• New Orleans, Louisiana, NASA Michoud Assembly Facility, Loblolly Pine (2?)*, July 1976
• North Pembroke, Massachusetts, Historical, Society, Sycamore?*, April 1976
• Albuquerque, New Mexico, Civic Plaza Douglas Fir*,
• Illinois Valley, Oregon, Siskiyou Smoke Jumpers Base, Douglas Fir*

*Trees have since died
From The Museum’s Collection

These cartoons come from Early Days in the Forest Service, Volume 3, in the collection of the National Museum of Forest Service History. Artist Bill Deemer did these cartoons for the Northern Region News in the 1930s and early 1940s.

Spring Cleaning? Beware

By Mike Hardy, Archives Chair

Will it be a blessing or a disaster? Blessing if you run across some old Forest Service-related letters, directives, local rules or regulations, cursing-outs, diaries, documented photos, interviews, life stories - these are the items that make your history come alive.

If you clean out the barn and find a 1917 Ford, it might be an early Forest Service vehicle. Maybe you will find a primitive fire-weather instrument or a 1950's portable aluminium fire-weather instrument shelter with tripod for legs. Who knows?

Disaster: When an over-active spouse or super-efficient estate sales person tosses such items into the dumpster, saying, "What else can I do with that old junk and clutter?"

We have at least 125 file storage boxes of documents contributed by more than 135 donors. Some consist of one piece of paper; others range up to twelve boxes. Tell your old buddies to look over their erstwhile 'treasures' and send them to NMFSH, P.O. Box 2772, Missoula, MT 59806, or call Frank McKinney at (406)541-6374.

We at the National Museum of Forest Service History would like to get a good idea of the administrative histories of USFS units that have been written. Below is a list of histories we know of and have in our collection. Please contact us to let us know of others that are out there. Contact information can be found on our masthead, page two. Your assistance is very much appreciated.

- 50 Year history of the Monongahela NF, 1970, Monongahela NF (R9), USFS.
- Sierra Centennial (Sierra NF, R5), Gene Rose, Three Forests Interpretative Assoc., 1994.
- The Philipsburg Story (Philipsburg RD, Deerlodge NF, R1), Robert D. Oakley, USFS R1-81-12, 1981.
- The Clearwater Story (Clearwater NF, R-1), Ralph Space, USFS.
- Radio For The Fireline
- History of Forest Service Architecture
- 2 Separate R-6 Histories?
- USDA Forest Service: The First Century
- 100 Years of Federal Forestry
Monetary Donations 11/1/03 to 2/4/04

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FS History Memorials
Pacific Southwest FSX Club in memory of Donald R. Bauer
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Hank & Patricia Clow in memory of Chuck Paletti
Jo Anne Stewart in memory of William L. Stewart
Michael & Mary Hendershot in memory of Chuck Paletti

Remember
The National Museum of Forest Service History offers the Forest Service History Memorial program for those wishing to honor or memorialize people who worked for or with the Forest Service, living or deceased.

For a minimum $100.00 donation, we will collect the biography and a photo and maintain that record in our Forest Service History Memorial Book and on our web site. The Memorial Grove of trees at the National Museum of Forest Service History has also been planted in honor and memory of the people listed in the Forest Service History Memorial.

For more information and to obtain a copy of the nomination form, contact Executive Director Frank McKinney, National Museum of Forest Service History, P.O. Box 2772, Missoula, MT 59806-2772, 406-541-6374, nationalforest@montana.com.

A huge thank you goes out to all those listed above.
Your help is very much appreciated and needed.
Membership Application
Fill out, detach, and mail to: National Museum of Forest Service History, P.O. Box 2772
Missoula, MT 59806-2772

Name: __Mr.__ Ms.__ Dr.__ ________________________________ Address: ____________________________________________

City/State/Zip: ______________________________________ Daytime Ph.: __________________

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**Profession**:__________________ **Age**:__________________

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*These are optional

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“Guardian of the Headwaters” by Monte Dolack: A print (left) dedicated to the men and women of the Forest Service on the 100th Anniversary of the USDA Forest Service, 2005. $20.00+$6 S&H unsigned, $75.00+$6 S&H signed and numbered, 25¢ for postcards.

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“They Hired Out To Be Tough” Booklet: A short history of the FS published by the NMFSH. $5.00 each ppd.

Send check or money order only to: National Museum of Forest Service History
P.O. Box 2772
Missoula, MT 59806-2772
Please allow 3 weeks for delivery of all items
**Bulletin Board**

Announcing a new novel about the early years of the Forest Service, *The Forest Ranger Who Could*, by Gilbert Davies. In Gil’s words, the book is about “the rip-roaring life of forest ranger Buck Stonewall during the formative years of the U.S. Forest Service.” You can get a copy of this book by sending a check or money order for $15.00 (S&H included) to:

HiStory ink Books
P.O. Box 52
Hat Creek, CA 96040

The book was available September 1st, 2003.

Please write “Museum” on the check and Gil will give $2.00 for every book sold to the National Museum of Forest Service History.