

GRIST FROM THE MILL

VOLUNTEER NEWSLETTER

COLVIN RUN MILL
HISTORIC SITE

June 2010

2010 COLVIN RUN MILL VOLUNTEER AWARDS & RECOGNITION BRUNCH

SATURDAY, JUNE 19
9:30 - 11AM

Enjoy a casual brunch, socialize with fellow volunteers,
applaud the 2010 award winners and hear about
some of the site's upcoming 200th anniversary plans.

RSVP by June 5 to terry.tomasulo@fairfaxcounty.gov

Volunteers
Power Our Parks

FISCAL YEAR 2010 MILESTONES

The current fiscal year ends June 30. With four weeks to go, we mark a few milestones:

Volunteer Service

Seven volunteers will be recognized at this month's awards brunch for their length of service:

| | |
|-----------|-------------------------------|
| 1 YEAR: | Pat Hill |
| 5 YEARS: | Jennifer Kalletta & Debra Gee |
| 10 YEARS: | Pat McGuire |
| 15 YEARS: | Mary Dettra & Crystal Allison |
| 20 YEARS: | Lee Boyd |

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WEEKENDS IN JUNE:

Northern Virginia Carvers

Sundays, June 6 & 20,
11am-4pm

Blacksmith Demo

Sunday, June 6, 11am-3pm

Mill Run Dulcimer Band Concert

Sunday, June 13, 2—4pm
FREE, donations accepted



Grinding Grains

Sundays, June 6 & 20
noon—3pm
conditions permitting
\$6 adults/\$5 students/
\$4 children and seniors



FATHER'S DAY EXTRAVAGANZA

Sunday, June 20, noon-4pm

grinding demo
woodcarving lessons
ice cream making



2009-2010 School Field Trips

Colvin Run Mill's field trip season ended in May. During the year, teaching docents welcomed **40 schools** with **3,000 students, teachers and chaperones** and brought in **\$18,850**. From puppets for preschoolers to simple machines for older grades, our museum education program is a hit with teachers and kids alike.

May 6, 2010

Dear Ms. Levin,

Thank you for teaching us how to use the simple machines! All of us really liked the pulley systems we tried! We wish we could come back some day. We also thought that the trip was really fun. There were so many great simple machines to learn about. It was all amazing, and really awesome!

From,
The Rhinos

Benjamin
Ashley Alex
Gigi
Alexa
Claudia Rajiv
Beatrice Miranda
Sofia Mihir Abby
Yara Romina
Neechi
Thank you will

May 6, 2010

Dear Mr. Yannarell,

We loved the tour of the mill! It was the best! The simple machines were really cool! We really liked the hidden pulleys, especially. The way the water wheel works is also really interesting. The way you make grains is awesome!

From,
The Rhinos

Romina
Ashley Gigi
Abby
Sofia
Beatrice
Benjamin
Alex
Claudia
Rajiv
Mihir
Yara
Alexa
Neechi
Miranda
Thank you will

Letters from the Beauvoir School 2nd graders, Washington, DC.

May 11, 2010

Dear Colvin Run Mill:

Thank you so much for the wonderful experience at the mill. The 3rd grade field trip was so much fun, and all of the parents, teachers, and students enjoyed our time. We enjoyed learning about all of the simple machines, and learning about the history of the mill. Your time and effort are greatly appreciated! We can't wait to visit again!

Sincerely, Miss Jacobson
Centre Ridge Elementary, Centreville, VA

Thank you for our wonderful visit to the Mill. We always love the story and the puppet show. We also learn a lot about the Mill.

Thank you from:
Wolftrap Elementary
Kindergarten Classes
May 2010



Bucknell University Students Build a Working Replica Gristmill

*Professor Tom Rich
Mechanical Engineering
Department
Bucknell University
Lewisburg, PA*

Four mechanical engineering students designed, built and tested a working replica gristmill this past academic year to fulfill their senior design requirement. The students, Brian Chew, Marc Goldenberg, Holly Hodges and Addison Yee, chose this project from a description given by their faculty advisor, Professor Tom Rich.

Their task was to read books and articles about the design and operation of 19th century gristmills, visit a local operating gristmill, and use that knowledge to design an operational gristmill that can be used for research and demonstration purposes. They were permitted to use modern materials, but they had to follow historical mill design elements.

It was an eye-opening experience for each of them, and they undertook the project with enthusiasm and creative

energy. The result was the working gristmill replica shown in the attached photo. They have used it to mill successfully wheat and popcorn.

Each student took a major part of the milling machine and conducted a detailed engineering analysis to ensure its proper functioning. One worked on the structural frame and tenting system. Another worked on the spindle and runner millstone supporting members. A third worked on the electric motor selection and gearing. The fourth student worked on the millstone furrow pattern and an accompanying means of visualization.

This project enabled them to apply engineering principles that they have learned in previous courses to a practical, operational gristmill. They all said that it was a unique and memorable educational experience.

Projects such as this one can't be done without the help of many people. **Bob Lundegard** of **Colvin Run Mill** offered suggestions for the project in-



At the beginning of the project, none of the students had ever been inside a gristmill. They had no idea what the mechanical milling system looked like or how it worked. They had not seen a millstone or thought about where flour comes from.

cluding the name of Bob Hege of Meadows Mills, Inc., in North Wilkesboro, NC, who donated two granite millstones. Bucknell alum, Dan Hawtof of Corning Inc., Corning, NY, donated a glass runner stone.

The primary technical support for the project was supplied by George Waltman, the Director of Bucknell's Project Development Laboratory.

Tom Rich (rich@bucknell.edu) and George Waltman (Waltman@bucknell.edu) will use this gristmill in future research into the milling process employed in historical gristmills. They can be contacted at the Mechanical Engineering Department, Bucknell University in Lewisburg, PA 17837.



FCPA Celebrates 60 Years

From the FCPA website:

The Fairfax County Park Authority (FCPA) began marking its 60th anniversary, kicking off the year-long celebration with a resolution presented by the Fairfax County Board of Supervisors on February 23, 2010. The Park Authority was created by the Board of Supervisors on December 5, 1950, under a provision of the Virginia Code.

The creation of the Park Authority marked the formal beginning of the county's park and recreational system. Over the past 60 years, the system has evolved into a mosaic of open space and recreational amenities, ranging from neighborhood and community parks to extensively developed recreation centers, nature centers, equestrian facilities, a skate park, historic sites and vast tracts of undeveloped land conserved for future generations.

The Park Authority had modest beginnings with no funds for land acquisition or park development. In 1955 FCPA owned nine parks on 92 acres of land. Through the support of the Board of Supervisors and the foresight of county residents, 11 park bond referenda have been approved between 1959 and 2008 providing over \$400 million for capital projects and land acquisition.

Today, the Park Authority boasts **417 parks** on more than **23,600 acres** of land, **nearly 10% of the landmass of the county**.

Between now and the end of the year, the Park Authority will feature promotions, events and programs linked to the 60th anniversary. Plans include geocaching camps and commemorative geo-coins, a holiday festival at Fryling Pan Farm Park, promo-

tions at the Water Mine Family Swimmin' Hole this summer, concerts and other special events.

For more information on the coming months please visit us [online](#) or call the Public Information Office at 703-324-8662.

In 2010, the Park Authority includes:

- 417 parks
- 23,600 acres of land
- Nearly 10% of Fairfax County's landmass

Fairfax County Park Authority



June Birthdays

4 Bing Tseng

17 Mike Henry





COLVIN RUN MILL HISTORIC SITE

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FOR REASONABLE ADA
ACCOMMODATIONS, CALL
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A PUBLICATION OF
FAIRFAX COUNTY, VIRGINIA
AND
COLVIN RUN MILL HISTORIC SITE



www.fairfaxcounty.gov/parks/crm



Don Sweeney, FCPA



The mission of Colvin Run Mill Historic Site is to maintain and interpret its historic buildings and collections for the enrichment of Fairfax County residents and visitors as they relate to the themes of technology and community in 19th century rural northern Virginia.

Manager: Mike Henry

Assistant Manager/Newsletter Editor: Ann Korzeniewski

Miller: Mason Maddox

Historic Collections Coordinator: Dawn Kehrer

General Store Operations & Programs: Terry Tomasulo

Miller's Assistant: Kim Whitacre

Jill of All Trades: Pam Gennari