

## Paper Discovery Center



### UPCOMING EVENTS

**Shawn Sheehy**  
**Pop-up book paper  
engineer events -**  
• **Adult Workshop &  
dinner**  
**Sun. Apr 11, 6-8:30pm**  
• **FREE demonstration  
& presentation**  
**Mon. Apr 12, 7-8:30pm**  
*Sponsored by RR  
Donnelley*

**Peter & Connie Roop,**  
**author presentation**  
**Sat. April 17, 3 pm**

**Earth Day Celebration**  
**Sat. April 24, 2010**

**Boy Scout Pulp & Paper  
Merit Badge Workshop**  
**Sat. May 8**

**Summer Science Series**  
**Forces— 6/16-19**  
**Water— 6/23-26**  
**Thermal E.—7/ 21-24**  
**Paper Testing—7/28-31**  
**Flying Objects—8/18-21**  
**Color—8/25-28**  
*Sponsored by SCA*

# All Things Paper

VOLUME 7, ISSUE 2

MARCH—APRIL, 2010



A Pi chain of  
ongoing numbers

## Pi / Einstein Day - Fun with math!

The Paper Discovery Center celebrated a little earlier than official Pi Day (3/14), which is also Albert Einstein's birthday. Home school youth (Fri. 3/12) and walk-in visitors (Sat. 3/13) learned about 3.1415....— how irrational, yet relevant with its connection to the circle. They also watched Carl Sagan eloquently explain the gist of Einstein's theory of relativity. The videos are available on You Tube (search Cosmos episode 8, parts 2&3).

Although we certainly couldn't measure the speed of light, we were able to measure the speed of a battery-powered toy car in a hands-on experiment. We also graphed and measured distance across and around a number of objects. This showed how Pi ( $\pi$ ) relates the diameter to the circumference.

Lots of craft fun was mixed in with the experiments: making a pie wedge shaped box, a pi-chain, a pi scavenger hunt, and hand-made paper with Einstein's picture embedded in it. A fun, educational time, was had by all!!!



Einstein hand-  
made paper

## NanoDays

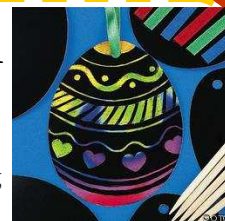


## The World of the Super Small & Paper Crafts

If you didn't escape to a far-off vacationland over spring break, you should have joined the fun at the Paper Discovery Center. Visitors explored the world of the super

small with a number of hands-on activities provided by NISE net (Nanoscale Informal Science Education Network). They learned about tools to 'see' on the size scale of atoms—too small for optics to detect. They became aware that exciting new properties and behaviors appear at the nano-level, such as: defy gravity, impart water-proof powers, move light in unique ways, and gain super strength!

A special thanks to the US Forest Products lab for sharing information about Nanoscience applications and research in the world of cellulose based products. This technology points to future uses and efficiencies for paper products—a topic that we will try to incorporate in our boy scout pulp and paper merit badge program.



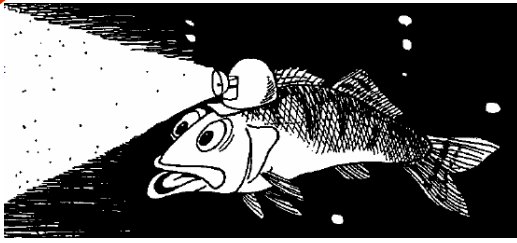
## Welcome—Linda Werner

The Paper Discovery Center has a new educator. Linda comes with a teaching background and lots of relevant work experience, including: paper industry, museums / science centers, and girl scouts. She is an outstanding addition to our staff. We will miss Elizabeth Jacobsen and wish her well as she pursues work in her field of study at the Appleton Library.



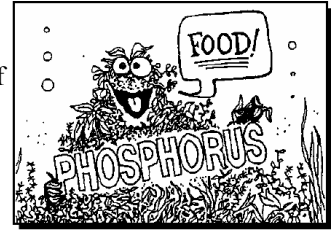
Paper Industry  
International  
Hall of Fame, Inc.

Many thanks to those who submitted nominations to the Paper Industry International Hall of Fame. The deadline was March 31. The Induction Dinner is scheduled for Thursday, September 23. The nominations committee starts the task of reviewing candidates and making selections. For details on the nomination procedure—<http://www.paperhall.org/nominations.php>



## The Paper Discovery Center hosts FREE Evening Learning Events

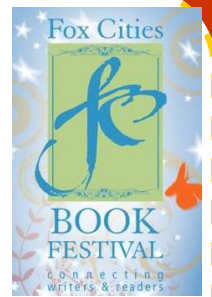
In February, Erin Hanson from the WI DNR- Green Bay, explained that the Lower Fox River is listed as an impaired water body since it fails to meet DNR water quality standards that would make it good for swimming, fishing, and supplying drinking water. Plans are underway to establish a TMDL (Total Maximum Daily Load) limit. Programs are already being initiated to reduce run-off sediments and nutrients, particularly phosphorus. Excess nutrients cause undesirable weed and algae growth which can block light for vegetation and lower oxygen levels upon decay. Too many sediments impede visibility and sunlight penetration, and can lead to a shallower, warmer river structure, conducive to more carp rather than game fish.



In March, Paul Linzmeyer from Innovative Sustainability for Organizations talked about breaking down barriers and working together at a grass-roots level to percolate sustainability initiatives into your community and local economy. His talk exemplified this process of 'opening the dialogue' as he solicited the audience for their particular interest areas. Topics from transportation to green building were touched upon. Mr. Linzmeyer also shared trends — companies seeking sustainability certification and networks sharing best practices. He challenged the audience to think in a new way, companies should strive to be an organization that the community embraces and would miss—for many reasons beyond simply providing paychecks.

## Hooray for books!

The Paper Discovery Center is once again thrilled to be part of the Fox Cities Book Festival (April 11-18, 2010). See <http://www.foxcitiesbookfestival.org/> for schedule. We have a number of related events during this special week that connects readers to authors and celebrates books.



### Peter and Connie Roop Author Presentation Saturday, April 17, 3:00 pm

Free

Peter & Connie Roop are retired Wisconsin teachers who have written over 100 children's books ranging from historical fiction to nonfiction. A recent publication, *Hometown Histories*, highlights Appleton legends who lived from 1900-2000, including: Ernst Mahler (a 1996 Inductee to the Paper Industry International Hall of Fame), Harry Houdini, Gordon Bubolz, and Joseph McCarthy.

### Shawn Sheehy—pop-up book paper engineer Presentation / Demonstration: Monday—April 12, 7-8:30 pm

Free

Adult Workshop: Sunday—April 11 (call to register, limited openings still available 920-380-7491)

**6:00-7:00 pm**, *Optional buffet dinner at Atlas Coffee Mill, \$10 (\$15 value)*

**7:00-8:30 pm**, *The Fundamentals of Paper Engineering, \$30*

Construct 4-5 pop-up structures that will introduce the beginner to the fundamentals of paper engineering.

### Pop-up book special exhibits

#### Paper Discovery Center—April 10 -17

An exhibit from a collection of over 300 donated pop-up books, including children's books, and pop-ups of architecture, famous cities, planes, trains, automobiles, etc.

#### Bergstrom-Mahler Museum—Wizards of Pop: Sabuda & Reinhart—April 10—June 19

This children's book exhibition includes over 60 images from 13 picture and pop-up books by celebrated children's book creators Robert Sabuda and Matthew Reinhart.

**Home School Science Sessions**

This year's home school science sessions recently ended after a series of 8-in-a-row Friday gatherings. The Paper Discovery Center has already scheduled nine sessions for next year. These learning opportunities will be presented at the Wisconsin Parent's Association Conference on May 7 & 8 in Oshkosh. To check next year's dates and topics, go to: [http://www.paperdiscoverycenter.org/general/homeschool\\_science\\_2011\\_flyer.pdf](http://www.paperdiscoverycenter.org/general/homeschool_science_2011_flyer.pdf)



**SUMMER SCIENCE SERIES**

Thanks again to the generosity of SCA Tissue, the Paper Discovery Center will be including lots of hands-on activities and demonstrations on science concepts throughout the summer. These are all included in the regular admission price. The dates and topics are listed on the front page of this newsletter (left hand column)

**Outdoor Learning Center Upkeep**

When the weather gets nicer, more visitors enjoy our outdoor learning center, including field trips that often do a tree identification activity. Recently volunteers: Sue Datta, Lucy Valitchka, and Bob Opsteen, worked with Appleton City Forester, Mike Michlig to prune trees.



Pruning Trees

**Hall of Fame Video Biographies: Now on the WWW**

Printed biographies for each inductee into the Paper Industry International Hall of Fame have been on-line at [www.Paperhall.org](http://www.Paperhall.org) for years. Now, thanks to the skills of a high school volunteer, Michael Marquardt, the video biographies (1997– present, '95 & '96 still to add) can be seen on the world-wide web! They are searchable through You Tube and linked onto [www.paperhall.org](http://www.paperhall.org).



Michael Marquardt



Climb to the Rafters

**Earth Day Celebration—April 24**

Mark your calendars and join in the fun. On **Saturday, April 24**, the Paper Discovery Center is hosting an Arbor Day / Earth Day Celebration. Come early if you can, because the Appleton City Foresters will be showing visitors how to **climb to the rafters** with tree-climbing harnesses (**10am—noon**). Throughout the day visitors will play enviro-games, make crafts from recycled paper, and learn how trees and the climate are connected.



Every visitor will receive a FREE pine tree seedling, courtesy of Plum Creek, and have a chance to make plant-able hand-made paper—take it home, plant it, give it care, and watch it grow.





Paper Discovery Center

HOME OF THE PAPER INDUSTRY INTERNATIONAL HALL OF FAME

425 West Water Street  
Appleton, WI 54911

### Paper Discovery Center Donor Pledge Card

Name (List individual & organization) \_\_\_\_\_ Phone \_\_\_\_\_

Mailing Address \_\_\_\_\_ Email \_\_\_\_\_

#### I Would Like to Make a Contribution —

**Single:**  \$100  \$250  \$500  \$1000  \$2500  \$5000  Other \_\_\_\_\_

**Multi-Year:** I/We pledge a gift of \$\_\_\_\_\_ over a period of \_\_\_ years in support of the Paper Discovery Center and the many families and children it will serve through education and discovery.

Amount Enclosed: \$\_\_\_\_\_ Balance Due: \$\_\_\_\_\_ Please make check payable to: Paper Discovery Center

I/We would like to donate a gift of securities\* to the Paper Discovery Center. I/We pledge \_\_\_\_\_ shares of

\_\_\_\_\_  
(name of security)

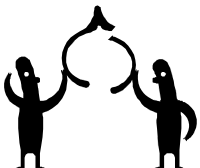
**Thank You For Your Support At This Important Time For Our Organization.**

**Ask your employer about matching funds programs!**

Mail this card along with payment to: Paper Discovery Center, 425 W. Water Street, Appleton, WI 54911.

\*Contact our office at 920-380-7491 for transfer instructions or with any questions.

Gifts are tax deductible to the extent provided by law.



Many non-profit organizations are challenged by the downturn in our economy. If you can find it within your means, please consider a donation. Now it is more important than ever. Help us continue the great work we are doing!

Phone: 920-380-7491  
Fax: 920-731-2704  
[www.paperdiscoverycenter.org](http://www.paperdiscoverycenter.org)

**Celebrating All Things Paper -  
the Wonder and the Legacy**