

## Paper Discovery Center

# All Things Paper

VOLUME 3, ISSUE 11

DECEMBER 2007

### Missing Issue.

There was no issue of All Things Paper in November. Carrie Mahlik, our curator/archivist has left the Paper Discovery Center to move on and take up other new challenges. While we arrange for someone to take over from Carrie, issues may be sporadic. We will do our best to keep up.

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Carrie Feld joined the Paper Discovery center staff as curator/archivist in May 2004 . Carrie's interest in museums was already formed, with internships at the Neville Public Museum in Green Bay and at the United States Holocaust Museum in Washington D.C. before she graduated B.A. in History and American Studies from St Norbert College in 1999. Carrie played a very large part in filling the main hall of the PDC with exciting and informative exhibits, as well as participating in the ever-growing educational activities at the museum.

Having worked as an archivist before coming to us, Carrie (who became Mrs. Chuck Mahlik in 2006) set up the policies and procedures for accepting donations to as well as for maintaining the assets of the John J. and Ethel D. Keller library in the River level .Her organizational skills and attention to detail, especially with the PDC Exhibit Committee, have left a positive mark on the museum appearance and contents. Now that Carrie has moved on we shall miss her, and are thankful for the excellent service she gave to the Paper Discovery center.

So once again, from the Board of Directors and staff, thank you Carrie.

## SEASON'S GREETINGS

*The staff, board of directors and volunteers of the Paper Discovery Center wish all our recipients a very happy holiday period and a healthy and successful New Year.*

*We look forward to seeing you in 2008.*

*Please note: The Paper Discovery Center will be closed to the public December 24th , 25th and 31st and Jan 1st 2008*



Paper Discovery Center  
HOME OF THE PAPER INDUSTRY INTERNATIONAL HALL OF FAME

**A membership to the Paper Discovery Center would be an excellent Christmas gift which would continue giving all year. A friend or family member would surely appreciate such a gift. See Page 2.**

## Christmas News from the Shop

The gift shop has received a number of Robert Sabuda paper pop-up Christmas ornaments.

New this year are his pop-up Christmas cards and large paper pop-up wreath and Christmas tree. If you are interested, be sure to stop by soon as they are going fast.

Other new items are unusual fancy paperweights for engineers and designers in the form of screwed-up blueprints.

We also have similar paperweights for lawyers in the form of screwed up legal paper. (Aren't all legal papers screwed up?!)

For unusual and imaginative gifts be sure to visit the Paper Discovery Center Gift Shop.

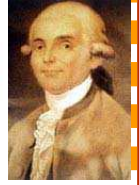
## Manned flight - The brothers Montgolfier



The father of Joseph Michel and Jacques-Etienne Montgolfier owned a paper mill in Annonay in France, later inherited and run by the brothers. They were technically inclined and loved to experiment, in common with many rich young men of their time.



Jacques-Etienne



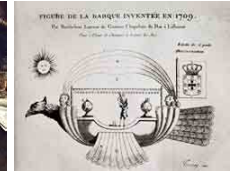
Joseph

Believing that manned flight using lighter-than-air vehicles was possible, they built a hot-air balloon from - what else - paper!

Three layers of paper were surrounded by sackcloth and a “fish-net” of cord for strength. After some experimentation their first public demonstration was arranged in Annonay, where a young physician and an audacious Army officer were carried in 10 minutes for over a mile, reaching an altitude of some 6000 ft. More public demonstrations were to follow in Paris and elsewhere and the brothers were acclaimed as the inventors of manned flight. What would Icarus have thought?

Not only Icarus however. A Brazilian priest, Bartolemeu de Gusmao, had demonstrated hot-air flight to the King of Portugal in August, 1709! Indoors!!

The demonstration used a small balloon, wholly of paper, with a boat slung beneath it containing a fire. The first attempt resulted in the balloon catching fire, causing considerable concern for the curtains. But eventually, in October, the “Instrument of Flight” flew successfully.



It is said that Father Bartolemeu’s balloon carried a man later, (see the contemporary drawing) but there are no reliable records of this so the Montgolfier brothers are still recognized as the originators of manned flight.



## Welcome Family & Friends

We welcome the following additions to our Family & Friends program:

### Friend

**Beau Evans**

**E. Gerald Thiel**

Family & Friends enjoy many benefits through their support of the Paper Discovery Center. Additionally, they get the added benefit of knowing that they are supporting a valuable educational resource that celebrates paper.



ASSOCIATION OF  
SCIENCE-TECHNOLOGY  
CENTERS  
INCORPORATED

As a member of the Association of Science-Technology Centers, the Paper Discovery Center is now able to offer free or discounted admission to 275 science centers throughout the nation to all members of its Family & Friends program at the Friend level or higher.

Sign up for your 12-month membership today by filling out the form on our website [www.paperdiscoverycenter.org](http://www.paperdiscoverycenter.org).

### Family & Friends Program

Apply Today's Admission  
Toward An Annual  
Membership

Paper Discovery Center  
CELEBRATING ALL THINGS PAPER

## Hall of Fame Spotlight - Elis Olsson

### 1995 Inductee for the category of Founder



Elis Olsson was a very important contributor to the development of forestry, pulp and papermaking in the US and international forestry industry. Born in 1880 in Sweden, he earned a degree in chemical engineering from the technical college of Orebro in 1899.

From 1906 he worked for various US and Canadian pulp and paper companies, developing the first kraft pulp mill in Canada for the Brompton Pulp and Paper Company. Following this in 1918 he joined the struggling West Point kraft pulp mill in Virginia as manufacturing manager. The mill at the time produced 20 tons per day of pulp and had total assets of \$504,825. He persuaded various others to invest in the mill, formed the Chesapeake Corporation and gradually made it a success. Elis Olsson was elected president of the corporation in 1930. By 1959 the Chesapeake Corporation made 700 tons per day of pulp and had assets of over \$33 million, by now under the presidency of Sture Olsson, who succeeded his father in 1952 and remained president until 1994.

Even though he was president, Elis Olsson continued to develop processes as well as the company. He was instrumental in developing good environmental forestry management, as well as continuing the development of the sulphate kraft process, being awarded 5 patents between 1921 and 1935. The year he was elected president saw the corporation install the world's biggest and most modern linerboard paper machine at the West Point mill, a giant (for its time) 242 inch fourdrinier which is, after many rebuilds, still running today. Unusually, he shared his expertise with other pulp and

paper makers, becoming one of the brains behind much of the pulp and paper industry development in the southern USA. He achieved international stature as an innovator and developer of the sulphate kraft process and was recognized by his native Sweden when H M King Gustav V made him a Knight of the Royal Order of Vasa in 1941, and Commander, Second Class of the order in 1949. Mr. Olsson believed in co-operation among peers. In 1944, he was credited with founding the Fourdrinier Kraft Board Institute, which immensely improved the standards, market research, and statistical reporting of the industry. He was one of the leaders who successfully established the Southern Kraft Board Industry. Mr. Olsson was also instrumental in founding Southern Pulpwood Conservation Association; Virginia Forest, Inc. (now The Virginia Forestry Association); American Forest Products Industries; American Society of Swedish Engineers; Swedish Engineering Society; and the Technical Association of the Pulp and Paper Industry. Elis Olsson was truly one of the giants of the industry.



## THE ORIGAMI CHRISTMAS TREE HAS BEEN ERECTED AND DECORATED AGAIN THIS YEAR

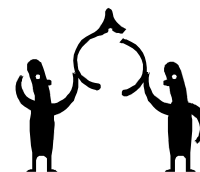
(Of course, the tree isn't origami, just the decorations!!!)

COME AND SEE THE TREE, THE DECORATIONS ARE AWESOME. REMEMBER THAT

THE CORRECT PAPER AND FULL INSTRUCTIONS TO MAKE YOUR OWN ORIGAMI CREATIONS ARE AVAILABLE IN THE GIFT SHOP

PERHAPS USE THEM TO DECORATE YOUR OWN CHRISTMAS TREE?

# Wish List



The Paper Discovery Center has a growing “wish list” and gratefully accepts donations of supplies and equipment. In addition to helping reduce necessary purchase costs, donations can also provide you with a productive and adaptive reuse of your unwanted materials. If you have an item to donate, you may request a tax donation letter to assist you in your record keeping. We appreciate your support!

The following items would allow us to better serve you, our guests:

## Education

- thumbtacks
- consumable supplies: paper, pencils, etc.
- origami paper
- aluminum foil
- moveable bookshelf on wheels

## Paper Lab

- Sunday comics
- microscopes
- UV lamp
- old books (pre-1860) for use with fiber analysis

## Collections

- visible light meter
- archival boxes
- acid free tissue

## Operations

- batteries - AA, AAA, D
- stud finder
- weather radio
- wheelchair
- ink cartridges
- blank laser address labels
- scanner
- 25' video projector cord
- laptop computer

- copier
- workshop equipment and tools
- DVD player
- extension cords
- brochure racks
- rack with hooks for backpacks and coats
- microphone/speaker system
- janitorial supplies
- yard tools

**And cash, of course!**

## 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.



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[www.paperdiscoverycenter.org](http://www.paperdiscoverycenter.org)

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