

## PRESERVATION MATTERS

### PRESERVATION AND CONSERVATION ASSOCIATION

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#### The TRUTH About - WINDOWS and Storm Windows too!

**MYTH 1: NO MAINTENANCE** A principal myth is that replacement windows will eliminate maintenance. Don't you believe it! The public has been sold on the myth of no maintenance, but there will always be maintenance. For appearance sake alone, you certainly will be painting those windows at some point, just as it is common to see aluminum siding, once touted as "maintenance-free," now being painted. And to paint vinyl, you must use an expensive epoxy-base product.

When wood is continually painted, its life expectancy can be about 200 years. On the other hand, according to studies, vinyl has a life expectancy of about 20 years. The plasticizers in vinyl will evaporate over time, making the vinyl brittle and subject to cracking. And what cost are you imposing on future owners when your venture doesn't last? Go with time-tested materials: paint on wood.

How are you going to replace a double-glazed pane of glass when it breaks? Manufacturers occasionally modify their product line. You may therefore need to replace the entire sash and frame. Many other components of replacement windows deteriorate relatively quickly. The seal around double glazing can fail within ten years resulting in condensation between the panes of glass which will then require replacement. Many of the plastic and neoprene seals, which hold the glass in place in vinyl and aluminum windows also degrade in ultraviolet light. These seals have a life expectancy of 10 years or less. Try to imagine locating replacement vinyl gasketing 10 years from now, or the problem of replacing a bent aluminum channel.

**MYTH 2: LESS EXPENSIVE** The cost of replacing an original window is usually NOT justified. Your initial cost will be high. The City of Bridgeton Commu-

nity Development Agency found that to REPAIR the existing window sashes for one house cost \$700. To REPLACE the same windows would have cost \$3,000. That cannot be justified in the light of the unknowns about the longevity of the materials and the inevitable costs of maintenance.

Repair is easier than you think. Old windows were made to be repaired. They can be taken apart to insert new rails or muntins (cross pieces separating the panes). Broken parts can be remade or whole sashes duplicated fairly cheaply. Rotted wood can be repaired to look like new with easy-to-use epoxy fillers. In many cases, these windows have been in service for over a hundred years with much of their deterioration resulting directly from a lack of maintenance. With repairs and regular maintenance, the life of these windows can potentially be extended for an additional 50 or 100 years.

The quality of the wood your old windows are made of will not be seen again. That virgin forest wood is close-grained and resinous. Today's young lumber cannot match the longevity of the historic wood. To trash your old windows is to trash a superior material that can no longer be bought. A replacement window will need replacement before the old one would have needed simple maintenance.

**MYTH 3: HIGHER R-VALUE** A common and often exaggerated reason for replacement windows is that new windows will significantly reduce heating costs. Studies have indicated that in most cases approximately 20% of the heating loss of a building is through windows. The remaining 80% is through roofs, walls, floors and chimneys, with roofs being the greatest culprit. Following this model, reducing the heat loss through windows by 50% will only result in a 10% decrease in the overall heat loss in the building.

Even with this in mind, keeping the heat in and the cold out are still prime wintertime goals. Both goals can be met with

your existing windows. Keeping the heat in means insulation, measured in R-value. The R-value of windows is a function of the air space between window panes, because air does not conduct heat very well. An old window coupled with a storm window will give you a higher R-value than a double-glazed replacement. This is because there is more air space between the storm and the inside window than between the two panes of a replacement window.

Let's look at this another way. One measure of heat transfer is the U-value, the number of Btu's per hour transferred through a square foot of material. When comparing thermal performance, the LOWER the U-value the BETTER the performance. According to ASHRAE (American Society of Heating, Refrigeration and Air-conditioning Engineers, 1977 & 1997 Chapter 26), the U-value for single glazed wooden windows range from 0.80 to 0.89. The addition of a storm window proudly reduces these figures to a range of 0.44 to 0.49. A double-glazed metal window has a U-value of about 0.60 and a double-glazed wood with vinyl was 0.51 to 0.55. Therefore, if you do not have storm windows, install them instead of replacing your windows. You will spend less money and get more insulation.

For those more technical folks, the organization NCPTT (National Center for Preservation Technology and Training) (<http://www.ncptt.nps.gov/>) performed a Window Study. This organization "advances the use of science and technology in historic preservation. Working in the fields of archeology, architecture, landscape architecture and materials conservation, the Center accomplishes its mission through training, education, research, technology transfer and partnerships." The following link (a PDF document) will show you all you how they came about proving that new replacement windows are NOT as energy efficient as original windows. [www.ncptt.nps.gov/PDFfiles/1996-08.pdf](http://www.ncptt.nps.gov/PDFfiles/1996-08.pdf)

Additional information can be found in the National Park Service Preservation Brief on Historic Wood Windows. <http://www2.cr.nps.gov/tps/briefs/presbhom.htm>  
Excerpts from Preservation Salem, Inc., Salem, NJ

## 2009 Heritage Awards



### Landmark Heritage Award:

Episcopal Chapel of St. John the Divine  
1011 South Wright Street  
Champaign  
St. John the Divine Congregation, owners  
IGW Architects  
English Brothers, general contractor

### Residential Heritage Award:

Davis-Brumback House  
201 West Vine Street  
Champaign  
Davee Davis, owner, designer, contractor  
Kevin Brumback, owner, designer, contractor

Wylie-Kaye House  
148 South Maple Street  
Paxton  
Rosemary Kaye, owner

Day-Satterlee House  
359 West Center Street  
Paxton  
Steve and Susan Satterlee, owners



Sharp-Adams House  
412 West Elm Street  
Urbana  
Brian Adams, owner  
Kristine Charlifoux, architect  
Gary Perkins, contractor

Larsen, Downie, and Katz-Downie House  
209 West Delaware Avenue

Urbana  
Stephen Downie, owner  
Deborah Katz-Downie, owner  
Larry White Roofing  
Steve Halfar Masonry

### Adaptive Use Heritage Award:

Cadwell Railroad Depot  
152 County Road 525 East  
Arcola  
E. Rick Hartom, owner  
Kathryn Davidson, owner  
Ron Peters, House Mover

### Commercial Heritage Award:

34 Main Street  
Champaign  
William Youngerman, owner  
Kevin Hinders, PREP.A.R.E., architect  
Robert Nemeth, architect  
Alice Novak, preservation consultant  
Mike Brown & Daniel Wells, Wells & Wells Construction  
Gene McDermott, Wickersheimer Engineers

The Hickory  
12-14 East Washington Street  
Champaign  
Michael Markstahler, owner & designer  
Janice Juraska, owner & designer  
Eric Peterson, architect  
126 West Main Street  
Urbana  
Norman Baxley, owner & designer

### Preservation Advocacy Heritage Award:

Historic East Urbana Neighborhood Association (HEUNA)

### Neighborhood Heritage Award:

Shaw-Brighton-Ross House  
609 West Green Street  
Urbana  
Steve & Karen Ross, owners  
Wesley Romine, painting contractor

### Historically Respectful Addition Award:

Gay House  
401 East Madison Street  
Philo  
David & Julie Gay, owners

Rick Gallivan, architect  
Ray Eckstein, contractor

Endres Garage  
204 West Nevada Street  
Urbana  
Brian & Jody Endres, owners, designers, contractors

Best House  
806 South Elm Boulevard  
Champaign  
Mary & Jim Best, owners  
Darcy Bean, contractor

### Historically Respectful Design Heritage Award:

West Side Park Band Shell  
West Side Park



Westside Park Bandstand  
Original Bandstad shown above, top.  
Recreated bandstad above, bottom

400 West University Avenue  
Champaign  
Champaign Park District, owner  
Terry Bilbrey Family, donors  
Neil Strack, architect  
Broeren-Russo, general contractors

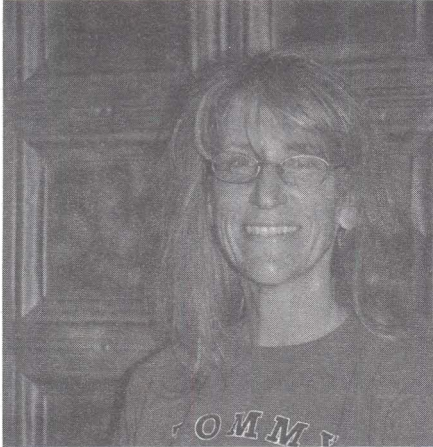
### Special Heritage Award:

Metropolitan Building Restoration  
219-225 North Neil Street  
Champaign  
Jeff Mellander, owner  
George Grubb, owner  
Bob Ballsrud, owner

PACA Retiring Board Members  
Catherine Barbercheck  
Susan Frobish  
Kathleen Jones

## Volunteer Spotlight

This issue's Volunteer Spotlight focuses on Elisabeth Jenicek. One of twelve children, Elisabeth grew up in the "burbs" of cities around the country, which may explain her fascination with old houses. But her father went to graduate school at UIUC and her two older brothers were born at Burnham Hospital, so the C-U area is "in her blood."



Elisabeth received a B.S. (1980) in marine engineering from Kings Point, New York and went on to become the first woman hired by Mobil Oil Corporation to work on domestic oil tankers. She came to Champaign to continue a federal government career as a researcher at the Construction Engineering Research Laboratory (CERL). Prior to that she lived in Germany and Guam while working for the Department of Defense. In 2002, Elisabeth was granted a Masters in Urban and Regional Planning, which led to researching regional sustainability issues. She is an avid proponent of sustainability, whether it is preservation

of historic buildings, reuse of materials, or organic gardening.

Elisabeth became involved in PACA when the 'old hooks' that she wanted for a home project weren't available in the warehouse. Bob Swisher then recruited her to help salvage the PEO retirement home in Knoxville (2001). She spent the day removing hooks in unlit closets. The coat racks that were made from those hooks (and oak trim from a bank in Monticello) were the first of many salvaged material projects. Elisabeth still helps salvage, but also uses the warehouse volunteers to "test" her delicious recipes.

In addition to her salvage work, Elisabeth has spent the last year in dedicated work to revamping the PACA website, which, in addition to hundreds of hours of computer time, has involved taking photos of historic buildings around town. (Note to our members - PACA is actively looking for a web master to continue this project.) She is also serving her last year of six on the PACA Board, devoting the last two years to secretary duties.

In her "free" time, Elisabeth organic gardens and her latest project is developing a wildlife garden in her back yard. She also fosters adorable puppies for the Champaign County Humane Society (recently succumbing to an adoption of her own).

According to Elisabeth, "It is not necessary to make a major commitment of time to volunteer at PACA, or to have any special knowledge or experience. You will learn and have a great time with the other "PACA rats."

## CALL FOR VOLUNTEERS

### "House Unveiling Workshop" The Great Unveiling of 303 W. High Street

The City of Urbana's Historic Preservation Commission is hosting a "house unveiling" workshop. The workshop will be held on Saturday, June 13th at 303 W. High Street. In the tradition of a barn raising, volunteers will be removing (unveiling) the non-original siding from a circa 1902 Queen Anne house. (Rain date, June 20th)

#### The day-long event will include:

- 8:30 AM to 3 PM Unveiling
  - Seminars:
    - 10 AM Removing Non-Original Siding, will include "why" and "how to" remove non-original exterior siding
    - 3 PM Paint It Right, an affordable house painting workshop will teach you how to get a 12 to 15 year, cost effective paint job for your historic house.
- Both seminars will be led by Bob Yapp, author and host of the former national PBS series, "About Your House with Bob Yapp."

#### We are looking for volunteers to help with the following:

- **The Unveiling**—Volunteers to help remove the aluminum siding will need to arrive no later than 8:30 AM for a safety primer. (Not all volunteers would need to climb ladders or do difficult work—some could assist those doing the actual siding removal.) Volunteers will learn valuable historic preservation skills from a skilled preservationist. All volunteers must wear appropriate clothing.
- **Organizing**—We are trying to create a "Preservation Block Party" and could use volunteers to help with organizing the

## P.A.C.A. MEMBERSHIP APPLICATION

### MEMBERSHIP CATEGORY

- Adult \$15
- Student \$10
- Senior Citizen \$10
- Family \$20
- Corporate \$75

Additional Contribution \_\_\_\_\_

MAKE CHECKS PAYABLE TO PACA

### TYPE

- New \_\_\_\_\_
- Renewal \_\_\_\_\_

### PACA

BOX 2575, STATION A  
CHAMPAIGN, IL 61825

WWW.PACACC.ORG  
217 359 7222

### INFORMATION:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

Contributions are tax deductible to the extent allowed by law.

events, hosting activities for children, etc.

**Food & Drink**—The volunteers are going to be hungry & thirsty, and the public is always interested in home-baked goodies. We could use volunteers to make/bring snacks and/or drinks for the big day.

Be a part of this historic event and help return a Queen Anne house to its former glory!

To volunteer, contact Rebecca Bird at the City of Urbana, (217) 384-2440, or by email at [rlbird@city.urbana.il.us](mailto:rlbird@city.urbana.il.us).

### New Board Members Elected

On April 26, the PACA Annual Membership Meeting was held in the Fellowship Hall of the historic Unitarian-Universalist Church, 309 West Green, Urbana. A brief business meeting was held at which the 2009 budget was presented and accepted by the membership, a short summary of 2008 PACA activities was given, and three members were duly elected to the Board of Directors for a term of three years. The new directors are: Claire Deal, Al Frederich, and Lee Stoops. PACA would like to thank the three retiring board members for their service to the membership and board: Catherine Barbercheck (6 years), Susan Frobish (5 years), and Kathleen Jones (3 years). New officers for the board will be elected at the May Board meeting.

### New & Renewing Memberships (received since the last newsletter)

**Charter Members (1981-1983)**  
Marilyn Wojnar  
Allen & Elaine Avner

**Preservation Matters: newsletter of the  
Preservation and Conservation Association**  
P.O. Box 2575, Station A, Champaign, IL 61825  
Brian Duffield, President  
Tom Garza, Vice-President  
Sarah Nemeth, Treasurer  
Elisabeth Jenicek, Secretary  
Karen Lang Kummer, Exec. Director

**Fantastic Supporters**  
(Over Twenty Year Members)  
Rose & Craig Grant  
Cinema Gallery (Corporate)  
Jane & Walter Myers  
Dot Replinger  
Joseph & Jane Marriott  
Dan McCollum  
Shirley Stillinger  
Bob & Betty Swisher

**Eleven to Twenty Year Members**  
Gerald & Margie O'Bryan  
Mr. & Mrs. E.R. Gordon  
Nancy & Fred Delcomyn  
Norma & John Gremer  
Marianne Winslett & Eric Bina  
Neill Schurter  
Sharon Irish & Reed Larson  
Rick Piester  
Esther Patt  
Bob & Bette Leach  
Randy & Bette Hughes  
Fred Krauss  
Peckham Family  
Perry C. Morris  
Dan Sullivan  
Kathy Reeves  
Bill & Blaney Bogner  
Steve Leonberger & Cheryl Koranda

**Five to Ten Year Members**  
Marty Sachs  
Jerry & Ann Schmidt  
Brian & Kathy Bushley  
Bill & Barb Childers  
Daniel Folk & Karma Ibsen  
Jeff Harshbarger & Grace Giorgio  
Stuart Martin  
Pam Splittstoesser  
Brian Behrns & Linda Lehovec  
Deirdre & Stig Lanesskog  
Stephen Mechling  
Ron & Wendy Turner  
James & Jody Coffin  
Allan D. Eckel

Gisele & Rick Atterberry  
Susan Taylor  
Dick & Carol Betts  
Douglas & Carol Maddox  
Jeannie Covert  
Lou & Trina Simpson  
Bill Gudauskas

**One to Four Year Members**  
Greg & Vicky D. Smith  
Michelle Martin  
Meg Miner & Janie Sober  
Dan Niven  
Rebecca Bird & Jeffrey Hickman  
Christopher & Linda Prom  
New Prairie Construction (Corporate)  
Wally & Sally Duchow  
John Holton  
Curtis & Melissa Johnson  
Nancy Ordnorff  
P.T. & Joy Garling Prud'Homme  
Jack Moore  
Adam Marganski  
Erik Paulson  
Kathleen Jones  
Elizabeth & Milton Otto  
Jerry Townsend  
Scott Dossett & Meg Miller

**New Members**  
Steve & Sheryl Boyer  
Jon Bryan  
Ethan Gardner  
Susan Satterlee  
Spencer Van der Heide  
G.S. Verhoeven Family  
Valerie Sivicek  
Cinda Pettigrew  
Mike Saunders  
Christina Tapp  
Arika Murray  
Rick Riblet  
Joe & Linda Fecker



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membership runs 1 yr from: 04/10/06

Richard Cahill  
307 South Orchard  
Urbana, IL 61801

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