



SCANTLINGS

NEWSLETTER OF THE TIMBER FRAMERS GUILD
NUMBER 122 May-June 2006

Summer Guild project: Quaker camp cow barn

THE FARM AND WILDERNESS CAMP, a program of the Quakers (Society of Friends) in Plymouth, Vermont, is a long-running facility on an extensive mountain campus that sponsors year-round experiences for young people and adults. These programs emphasize the building of community through the values of cooperation, simplicity, responsibility, empathy, spirituality, and service. Sounds like a good match for us, doesn't it?

They need a cow barn, and it's shaping up as a great match for our own summer program.

The cow barn will be a two-story frame measuring 30 x 48 ft. with a 12:12 roof, a pretty simple frame design. Wood species used are to be hemlock, spruce, and pine.

The foundation is in the ground already. Some of the wood was cut last year off the property. Farm & Wilderness got dragged through the mud last year by an expensive design-build firm and are now cautious. They are very excited about the Guild's ability and willingness to work with kids and be a part of the summer programming.

The project envisioned has three basic components.

Small deck project. TFG supplies five to six people to work with kids. We'll cut and install the main deck of the barn on the existing foundation. Three paid TFG staff are proposed. This will happen July 1-4.

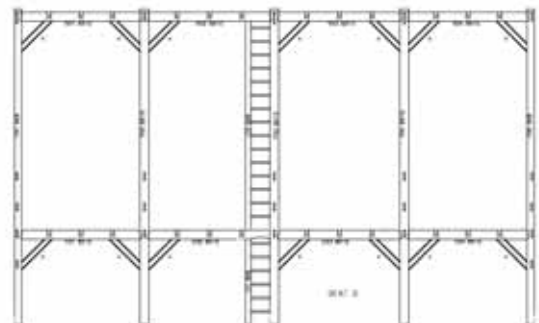
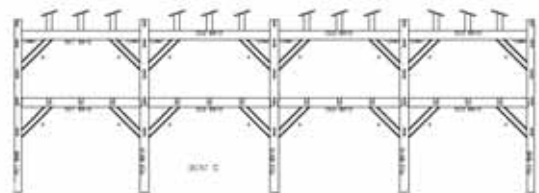
Workshop. We'll hold some version of our successful Professional Development Workshop last year in Illinois. Time and location to be determined.

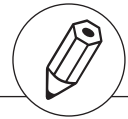
Barn cutting and raising. In rendezvous format, TFG will supply five to six paid staff to work with 20 TFG members plus 20-30 campers (kids) to cut the simpler pieces of the frame in Plymouth. This crew will then raise the frame by hand. Raising weekend is also the weekend of a major fair and homecoming on campus. The area will be filled with campers and families and gives us the chance for great exposure. This part is scheduled for August 5-13.

Lodging facilities are a state campground one mile away. All meals will be provided in the dining hall at the Farm and Wilderness camp, shared with kids. This is a great rural spot with a good lake for swimming.

This is going to be a cool project, and we hope that you can participate in at least one session. For more information, ask me (603/835-2077, joel@tfguild.org).

—Joel C. McCarty





Advanced course on renewable energies

The International Advanced Course on Renewable Energies: Resource Assessment, Data Processing, Feasibility Studies, Interpretation, Policy, Management, Design, and Applications will be held June 5–14 by the Renewable Energy Research and Development Center (RERDEC) water foundation in Istanbul, Turkey. Applications are invited from engineers, scientists, and specialists working in renewable-energy-related agencies and institutions all over the world. The general subjects of the course are energy, energy and environment, hydrogen, hydropower, solar energy, and wind energy.

General program and detailed information about the course are at www.rerdec.org.

In light of the high number of applicants for the course, together with the consequences for the final reviewing process, we will start the review of applications sooner than scheduled on May, 26. For this reason, we

ask you to submit the application forms as soon as possible, thereby enabling us to provide you with early notification of the final decision.

We look forward to your attendance to the course. Please do not hesitate to ask for any additional information for the course or anything else.

Best regards,

Dr. Zekai Sen (General Coordinator of RERDEC)

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Aksaray, Istanbul, Turkey

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rerdec@rerdec.org

Erratum

In the last issue of *Scantlings*, we reported the website of the U.K. Carpenters Fellowship incorrectly. The correct URL for this group is www.carpentersfellowship.co.uk/.

Check your facts

WE'LL BE publishing the new Guild member directory by the end of July. Before mid-June, check your own entry in the directory and make sure everything's current. If you're up for renewal, be sure to renew by then as well.

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U.K. tour

Here's a quick reminder—the fifth Timber Framers Tour of Britain takes place September 5–14, before and after Frame 2006. (In fact, the Frame conference is included in the tour.) For more information, see the April 2006 *Scantlings*.



photo courtesy English Heritage

The Leigh Court Barn, the largest cruck structure in Britain and an early stop on the tour.

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Susan Witter, *Scantlings* editor

Scantlings is the member newsletter of the Timber Framers Guild. It is published eight times yearly. Deadline is generally the 10th of the month before an issue comes out (though it often shifts).

Next deadline: June 10.

Please address contributions or information to:
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Bellingham, WA 98225, phone and fax
360/647-0310, witter@nas.com

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News from the Island



images John Buday

We will never forget. Excerpts from the healing ceremony: from top, Jim Pratt singing a blessing, Koichi Barish blessing the site, and one of the second-generation Japanese-Americans escorted by two of his countrymen.

ON MARCH 30, 1942, 227 Bainbridge Island residents of Japanese ancestry were forced to board the ferry that would take them away from their island.

Exactly 64 years later, a crowd gathered at the same site to bear witness to a ceremony of healing conducted by representatives of several faiths and ethnicities.

The ceremony was presided over by Clarence Moriwaki, Chair, B. I. WW II Nikkei Internment and Exclusion Memorial Committee (a committee named by a committee, as Clarence is fond of saying) and Donna Mohr, President, N. Kitsap/Bainbridge Island Interfaith council.

Blessings were given by Rev. Brooks Andrews, Seattle Baptist Church; Gilberto Perez, a Buddhist monk; Hisham Farajallah, president of the Islamic center of Washington; Rabbi Mark Glickman; Koichi Barish, a Shinto priest; and Jim Pratt, Suquamish Tribal Elder and hereditary chief of the Suquamish.

The ceremony began at 10 a.m. under cloudy skies that respectfully held their rain.

After introductions and a brief history, Rev. Andrews began with the story of his family's involvement in the Japanese-American community. His father had been minister of the church at the time of the internment and tried to look out for his flock as best he could. His reward was discrimination and threats from his fellow Americans. In just one incident, the family rented a house in Idaho to be near those interned at Minidoka; a local merchant purchased the house for the sole purpose of throwing the Reverend and family out.

The Shinto priest performed a traditional blessing of the site, and Tribal Elder Jim Pratt gave a blessing, sung in his native tongue and accompanied by a drum. It was all terribly moving and entirely appropriate.

The ceremony concluded at 11:03 a.m., the time of the ferry's departure 64 years previous. At that time the Nisei (second generation Japanese-Americans) were asked to stand up, as they are the last of those interned. There weren't many.

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The bulldozers have started now, and the site will be in order this summer. Plants will be planted, trails and walks built as well as driveways, signs, and . . . foundations.

Foundations will be laid for the matched pair of gates to be constructed as entrance and exit to the memorial wall walk. These gates will be the subjects of a Guild workshop on traditional Japanese joinery and tools. We'll also build a pavilion (smallish and less traditional but very cool) as a rendezvous event. Neither project is large, so enrollment will be limited.

We plan for all this fun and good work to take place September 15–30, with a workshop leading off (Japanese traditional framing with layout from centerlines; hand tools) followed by the rendezvous. Details regarding accommodations are being worked out; our idea is to house participants in local homes. Food will be provided and it should be noted that there are a charming pub and a great coffee shop in town. Also handy is Seattle, a half-hour ferry ride away.

Please keep an eye on the Guild website and later issues of *Scantlings* for announcements and further details.
—John Buday



Breaking ground on the site of the pavilion.

A rendering of the entrance and exit gates, below, and the pavilion, below right.



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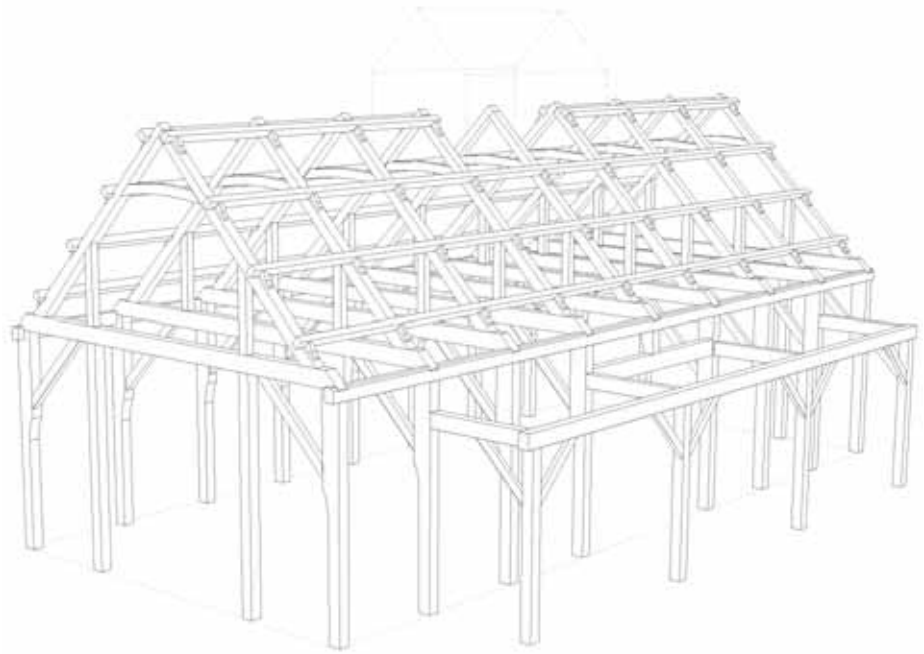
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LISEC in September

WITH CHRIS KOEHN chosen as project director, the Long Island Seaport and Ecological Center (LISEC) will gain a boathouse. The project takes place in Port Jefferson, N.Y., September 20–30. We'll be seeking several qualified instructors for the workshop portion of the project. Look for more information soon.



The LISEC frame. Drawings are not to scale.

images Ed Levin

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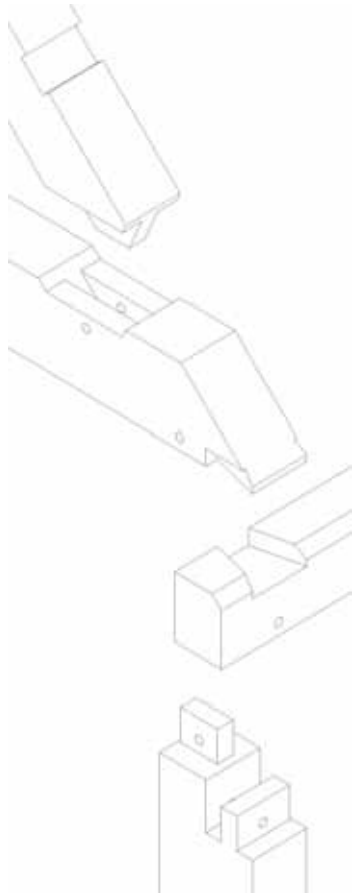
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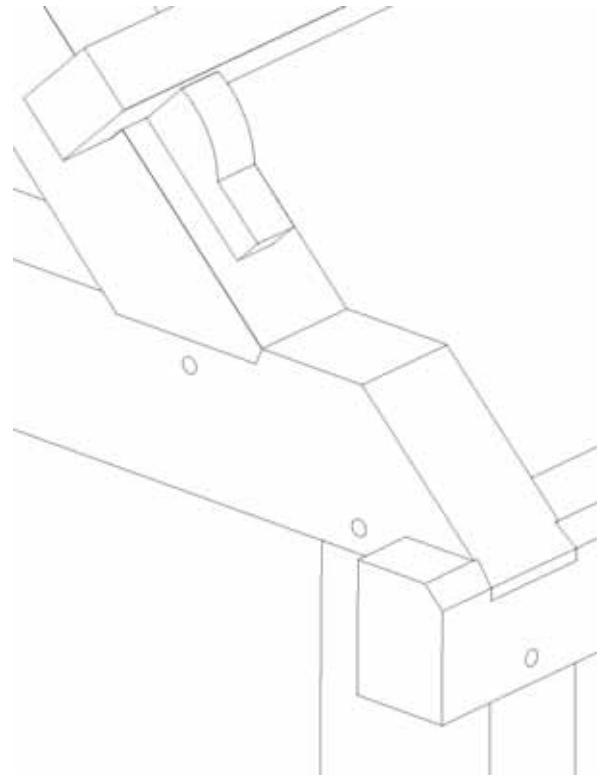
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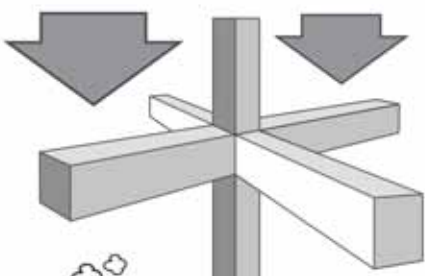
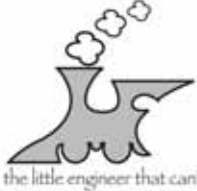
Exploded tying joint.



Assembled tying joint.

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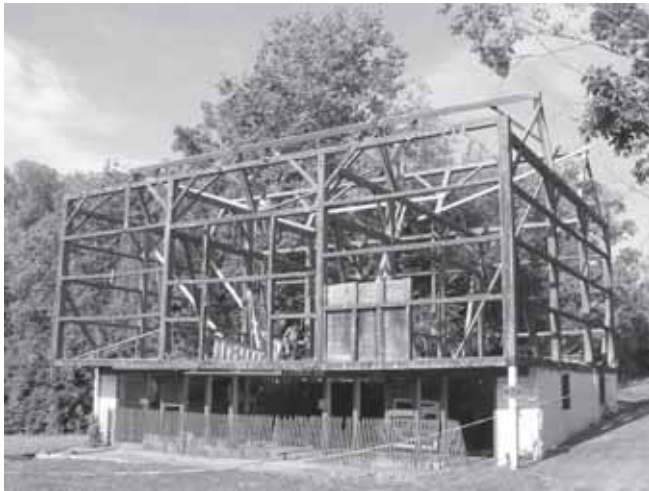
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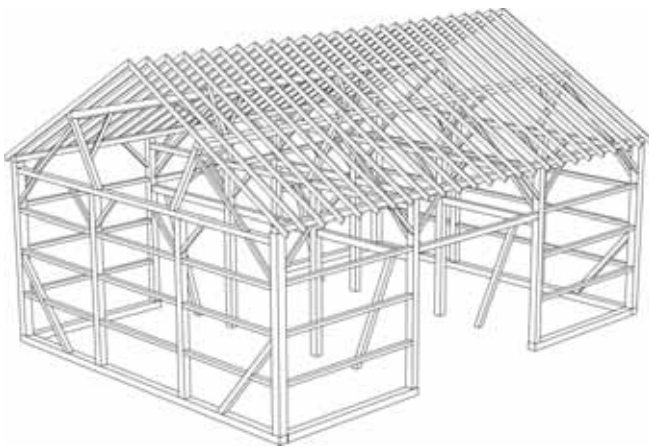


photos Rudy Christian

The Newbauer Farm barn was a classic example of a 19th century forebay bank barn. You can just see Laura Saeger and an unidentified colleague, bottom right, going into the barn.



The frame of the Newbauer Farm barn was almost entirely cut from tulip poplar. Its canted purlin roof system is interesting in that the purlin posts interrupt the purlins.



drawing Carson Christian

This model shows the frame adapted to a ground barn with perimeter sills that will be cut at the workshop. The hand raising will be horse assisted.

September Guild project: barn reconstruction

JOIN THE Guild September 11–16 in Dayton, Ohio, for a barn reconstruction at Carriage Hill Metroparks Farm.

In the fall of 2005, Five Rivers Metroparks was given a 36 x 48-ft. early 19th century bank barn which was about to be demolished for commercial development. The barn was documented, dismantled, and stored by Christian & Son, Inc.

Five Rivers' intentions are to modify the barn to serve as a ground barn, part of the interpretive program at the Carriage Hill Farm. The barn will be reconstructed on the site next to the historic farmhouse to replace the barn that was built there and lost before the farm became part of the park system.

The barn will be the main tool in a workshop to teach barn repair (one post needs to be replaced), frame modifications for adaptive re-use (post bottoms will be re-cut to suit new sills), sill timber layout, fabrication and installation, historic mortise and tenon barn door construction, and hand raising.

The workshop will be held in an open pasture adjacent to the farm. We're still in the early planning stages, but as soon as more details are available, we'll post them on the Guild website and in future issues of *Scantlings*. Stay tuned!

—Rudy Christian

Bus stop

FOR TWO weeks this winter, Joel, Adrienne Walker, and Randy Churchill ran an educational project with 15 high school students at the Windham County (Vermont) Regional Career Center in Brattleboro. Bryan Felice also participated for a few days as a TFG representative and a volunteer.

The project is an 8 x 24-ft. bus stop shelter that will sit prominently in downtown Brattleboro, sponsored by "Build A Better Brattleboro" (non-profit town rehab group). With our instruction and guidance, students cut and assembled the roof structure of this shelter in the building trades shop space. From there it was trailered as a unit into town, with standing-seam copper roofing complete, and lifted onto the posts on a flawless spring day in April. A good time was had by all.

—Joel C. McCarty

More on Frame 2006

FRAME 2006 runs September 8–10, at the Avoncroft Museum of Historic Buildings. (Also, it's included in the timber framing tour of Britain.) Here are some items of interest. For more, see www.carpentersfellowship.co.uk.

Kevin McCloud to speak at Frame

We are delighted to announce that Kevin McCloud (www.kevinmccloud.co.uk), traditional timber frame enthusiast and presenter of Britain's Channel 4 TV's *Grand Designs*, will be addressing Frame.

Early bird discounts

We are offering big discounts for early bookers. Frame 2006 tickets will be available from May 1. Early bird discounts will apply up to July 31.

Trade stands are back

This year, we've assembled a varied organizational team, aiming to build on previous successes to make this the best Frame yet. The Avoncroft Museum is very excited about having us back and is helping too. However, we're still looking for help, so let us know if you can join us!

Scribe course and frame raising

Henry Russell, Clare Walter, and a team of volunteers built a single bay frame at Avoncroft a few years ago. This year, in the week running up to Frame, we are running a 4-day course (Sept. 4–7) on English Scribe Framing, using timber sawn on the museum's racksaw, to cut another bay for the frame. There are only eight places left in this course. The frame will be raised on Frame Friday as a demonstration of safe hand erection. For more information, ask Tim Walton, tim@greenwoodworks.co.uk.

Carpenters Fellowship and Univ. of Bath to collaborate on green oak framing seminar

This pre-conference seminar is hosted by the Department of Architecture & Civil Engineering at the University of Bath, in association with the CF. It takes place Thursday, September 7.

The program will include a wide range of speakers (tba), with presentations covering practical aspects of construction, design guidance, and summaries from latest research work, including joint and frame tests. The seminar is primarily aimed at carpenters, builders, architects and engineers using green oak in contemporary buildings and will also be of interest to conservators and any one else with an interest in green oak carpentry.

For further information please contact Pete Walker at the University of Bath, p.walker@bath.ac.uk.

Online CF memberships now

YOU CAN now join the U.K. Carpenters Fellowship online via a sidebar link on their website, www.carpentersfellowship.co.uk. Cost for international members is around \$79US (about \$90CAN).

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Top-notch news from Korea

LAST SPRING I carried out a timber frame project. The client was the Forests for Citizens of Seoul, who held a design competition for a building to renew the river bank area of the Han River, which flows through Seoul.

The architect who won, Mr. Kyung Ho Han, planned a 100-sq.-meter (about 1100 sq. ft.) pro-environment exhibition space. He designed some natural building materials into the space—timber, clay brick infill, and a grass roof. Mr. Han developed his design from Korean traditional houses that have a central garden. The central garden, surrounded by lots of ordered columns and a lowered roof, creates the cozy and calm feelings of a traditional house.

As soon as I saw the drawings, I felt attracted. But the actual design had several problems. The concept was traditional but the method of construction was entirely Western. I had to change some joinery details. Though we did use joinery in the frame, some of the connections were specified by the architect as using steel plates. Eventually, I took complete charge of the shop details, once I understood the architect's design concepts. So I had to draw all of the shop drawings newly.

It was a fun job, but we had only one month to cut and raise the frame. It was hard—though there was lots of joinery, we had to use steel plates as well. Fortunately, 70% of the timbers were planed. To start the job, I ordered timber and made shop drawings all night and then laid out during the day. There were five of us working on the frame. Cutting went well because the majority of cut men were trained well in Korean traditional timber framing. Anyway, the job was done in time.

A few months ago, I arranged a display of that project and sent it with a report to the Korea Wood Building Design Association (www.wooda.org/eng-introduction.htm). And I won an award! I heard the news of it from radio station KWBDs while I was on the jobsite in December. The prize was the top award for wood building and construction in 2005.

I'd like to say thank you to Mr. Han, the designer. And I'd like to share my good news with my friends and fellow Guild members.

I'm so busy that I can't attend a Guild conference now, but I hope to take part in one in the near future.

—Mr. Man Young Song, proud member of TFG



photos courtesy Man Young Song

Mr. Yongkyu Cha working the wood.



Mr. Soonho Hong guiding a timber into place.



Mr. Man Young Song (with Sea Wolf belt) and Mr. Younghoon Jung.

Bridgeton Bridge project cancelled

AS OF press time it appears that the Bridgeton (Indiana) Bridge rebuilding project has become sufficiently well funded to be a commercial project.

Since it is our policy to never knowingly take on projects that have adequate funding, we regret that we have to let go of the Bridgeton event.

It may be that there will be good work for some itinerants down there this summer, but there will not be a TFG rendezvous, for sure.

We spent a lot of executive and volunteer time working up methods and numbers for this job. None of this effort was wasted; it will be put to good use on our next developing project.

Sorry to have gotten your hopes up.

—Joel C. McCarty

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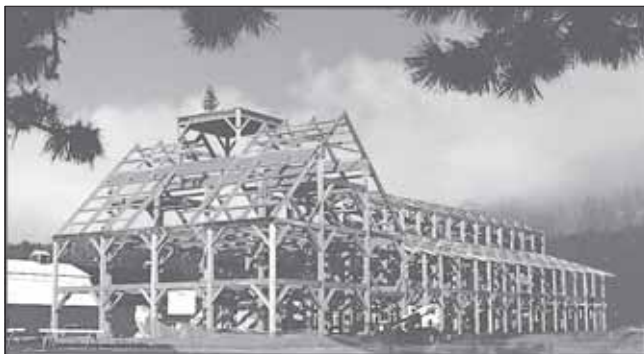
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Reusable building materials

WE ALL know the 3 Rs: reduce, reuse, and recycle. There has been a lot of discussion lately about using green building products and other items new to the marketplace or using those that have been in use for a long time in traditional building and have made a recent resurgence. Yet there are also other items we can incorporate into our buildings that have a low impact on resource use.

In today's building industry, many recycled items such as flooring, trim, and timbers are on the market as well. However, there are products we can reuse in their original form without the expense of dismantling existing buildings and structures for board-foot volume or modifying the shape, structure, or appearance of the product through machining and processing.

Most of us are not strangers to re-using or adapting buildings in part or whole, whether dismantled or moved in entirety. Buildings are disappearing quickly due to suburban expansion, neglect, high taxation, industrial ag-

riculture, natural disaster, and vandalism. Loss of buildings and architectural heritage is not a new phenomenon.

All but gone are the days when a farmer or landowner would "donate" a barn, schoolhouse, farmhouse, or log building to the local fire department for a practice burn. The current increase in industrial agriculture and related changes in farming methods have played as great a part lately in the demise of buildings. In our area, the list is probably endless of architecturally prominent structures and other 19th-century buildings lost due to these practices.

Growing up in rural Illinois, I remember going out to watch practice burns. It was something like going to a funeral. When approaching the fire you could see the long train of car lights off in the distance as locals and neighbors came to watch the building dwindle away with the evening sun. I remember walking into a circle of people standing around in overalls and hearing things like "they sure don't build buildings like that anymore" or

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"I can't believe how long it's taking to fall when most of the walls have burned through." Occasionally, locals and antique hunters salvage what they can from these buildings; most times they don't, finding that it's too much work or that they don't know what to do with these items once they have them. Many downtown buildings and homes in villages and cities have been lost in similar fashion.

Due to the loss of buildings over the last 55 years, especially at the current accelerated rate (in the next 20 years we'll likely see the end of most of the unused 19th-century buildings), there is a large cache of architectural items and other components in local antique shops and architectural salvage warehouses. For many years, building materials have regularly been salvaged and re-used in original form: exterior materials such as slate roofing materials, tile shingles, ceramic shingles, asbestos-cement shingles, copper roofing elements, brick, stone, limestone, and terra cotta; and interior items like sinks, tubs, hardware, hinges, locksets, trim, windows, doors, and flooring.

Often during building renovation, doors and windows are the first things to be replaced (other than covering up wood siding with vinyl). These doors and windows often make it into local antique shops and other architectural warehouses where you can buy them relatively cheaply. In our town you can purchase a handmade pass door dating from before 1860 for about \$35 (with original faux wood graining) and an entry door for \$85. Often, these doors are made of walnut or of multiple species. You can get a divided light window sash for as little as \$25. When you consider the high price of new windows and doors, the environmental expense in fabricating them, and the lower quality of materials (think vinyl and plastic), reuse of existing windows and doors only makes sense.

It is rare to find a complete set from one building but not unheard of to stumble on a complete set of pass doors with trim, windows with trim, and other pieces such as staircases and cupboards. Since we may have only

a few matched sets when purchasing doors and windows for a project, we attempt to figure enough close matches to make sense with the layout (all on one floor, bedrooms vs. bathrooms, etc.). In almost all cases, we find it simplest to fabricate new frames and jambs for window units and new jambs for doors. Fortunately, there is a plethora of items on the market for mechanically sealing doors and windows and for balancing double-hungs.

Re-useable cast iron radiators are commonly discarded. They are incredibly valuable yet are mostly forgotten in today's world of heating and cooling. Since age 12 I remember going to the scrap yard every year with my dad, hauling metal from the year's projects in for cash. I still do this, and the huge piles of trashed radiators continue to amaze me. New radiators can cost upwards of \$1000, yet you can buy them for 10¢ a pound at the scrap yard (if you can find one that wasn't broken on removal) or \$25-\$50 each at an antique shop. For anyone who uses hot water or steam for heat, cast iron radiators are aesthetically good looking and make wonderful heat. For a recent project we outfitted a 26 x 32-ft. structure in six cast iron hot water radiators for \$450, including sandblasting and priming. These were purchased from an old downtown building that had, of all things, converted to forced air!

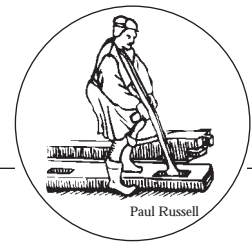
Reusable building materials appear in the strangest places. Last year we bought a claw foot bathtub for \$50. The tub was sitting in a ditch, for sale, at a tractor dealership that is occupying a former drive-in theatre. I think the tractors at this dealership were as old as the tub, and most were in worse shape. Unfortunately, these reusable building materials will soon disappear forever (other than what we may mine out of all the ditches that have been filled up with 180 years' worth of residential and farm waste), but at least for now we have the opportunity to use what is available. By incorporating more reusable materials in our buildings, we may reduce the need for new items and make the energy that went into their production last a little longer instead of going up in smoke.
—Rick Collins

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EVENTS



These programs are run or taught by members of the Guild who requested to be listed ; for your convenience, we also list other programs that offer timber framing and related workshops.

Guild projects

In Plymouth, Vt:

Farm and Wilderness Camp cow barn Jul 1–5,
Aug 5–13. (See page 1.)

In Dayton, Ohio:

19th century barn reconstruction Sep 11–16. (See
page 8.)

In Port Jefferson, N.Y.:

Long Island Seaport and Eco-Center boat shed
Sep 20–30. (See page 6.)

On Bainbridge Island, Wash.:

Japanese-American Memorial Sep 12–30.
(See page 4.)

Guild projects contact:

Joel C. McCarty, joel@tfguild.org, 603/835-2077.

Guild conferences

TTRAG 2006

May 12–14, Eastover Resort, Lenox, Mass.

Eastern Conference 2006

Nov 9–12, Hotel Roanoke, Va.

TTRAG 2007, March 23–25, Old Salem, N.C.

Western Conference 2007 Apr 12–15, 2007,
Asilomar, Pacific Grove (near Monterey), Calif.

Eastern Conference 2007 Oct 18–21, 2007,
Fairmont le Château Montebello, Montebello,
Québec.

Western Conference 2008 April 17–20, Coeur
d'Alene, Idaho.

Other conferences

U.K. Carpenters Fellowship

Frame 2006 Sep 8–10. www.carpentersfellowship.co.uk.

Montana Preservation Alliance

4th Annual Montana Preservation Workshop

Jun 24–26, Deer Lodge, Montana.

Pete Brown, pebrown@mt.gov, 406/444-7718.

Tours

Guild U.K. Tour 2006 Sep 5–14.
www.tfguild.org, 413/623-9926.

Country Workshops

Craft tour of southwest England Oct 1–10.
Drew Langsner, www.countryworkshops.org.

Other workshops

Carlton-Sobon

**Traditional timber framing (Jack Sobon and Dave
Carlton)** Sep 27–Oct 1. Hancock (Mass.) Shaker Vil-
lage.

Jack Sobon, PO Box 201, Windsor, MA 01270,
413/684-3223, or Dave Carlton, 413/684-3612.

College of the Rockies

Natural building (3 weeks) Jul 6–28.

Timber traming (12 weeks) Sep 18–Dec 8

Timber framing (12 weeks) Jan 8–Mar 30.

Kimberley, B.C. kimberley@cotr.bc.ca,
www.cotr.bc.ca/kimberley, 250/427-7116.

Cowee Mountain

Beginning timber framing

Jun 4–10, Nov 5–11. Franklin, N.C.

Apprenticeships min. 3 months also available.
828/369-8186, www.timberframeschool.com.

Fox Maple

Introductory timber framing May 29–Jun 3.

Advanced timber framing Jun 5–10. **Timber frame**

design May 29. **Natural clay building** May 24–27.

Natural building design May 24.

Brownfield, Maine.

Steve Chappell, www.foxmaple.com.

Grand Oaks Academy of Timber Framing

Introduction to timber framing May 28–Jun 3,

Arcadia Valley, Missouri. Sep 3–9, Paris, Tenn.

Oct 8–14, Paris, Tenn.

Scott Stevens, 731/642-2908,

scott@grandoakstimmerframing.com.

Hancock Shaker Village

Historic window sash preservation Aug 3-6.

Cabinetmaking (lap desk, wall cupboard)

Aug 7-13.

Shaker timber framing (Sobon) Aug 19-20.

Timber frame repair strategies for a 19th century sawmill (Sobon-Carlon) Aug 21-24.

Dry stone wall construction Aug 31-Sep 3.

Build a Shaker railing Sep 21-24.

Pittsfield, Mass. www.hancockshakervillage.org.

Heartwood

Timber frame design & joinery decisions

May 15-19.

Compound joinery (Will Beemer) May 22-26.

Timber framing Jun 5-9, Jul 24-28.

Converting trees to timber Jul 10-14.

Cruck framing (Jack Sobon) Jul 17-21.

Raising and rigging, site safety, knots and ropework (Grigg Mullen, Al Anderson)

Jul 31-Aug 4.

Scribing (Dave Carlon, Josh Jackson) Aug 28-Sep 1.

All workshops in Washington, Mass. Will or Michele

Beemer, www.heartwoodschool.com, 413/623-6677.

John C. Campbell Folk School

Timber framing with Charles Judd May 21-28,

Brasstown, N.C. 800/365-5724, www.folkschool.org.

Rocky Mountain Workshops

Advanced log and timber frame engineering: modeling, joinery design, and detailing (Grigg Mullen, Jennifer Anthony) May 31-Jun 4.

Ropes, rigging, and raising: managing tension to eliminate drama (Grigg Mullen and Al Anderson) Jun 6-10.

Mastering the basics of square rule timber framing (Dave Carlon, Josh Jackson) Aug 13-19.

Scribing with Mike Goldberg Aug 20-26.

Compound joinery (Curtis Milton). Aug 27-Sep 1.

Timber frame design (Andrea Warchaizer, John Mumaw) Sep 10-15.

All workshops in Pingree Park, Colorado.

Peter Haney, 970/482-1366,

www.rockymountainworkshops.com.

Tillers International

Timber framing and raising May 8-13, Sep 18-23,

Oct 2-7. **Restoring timber frames** Jun 2-3.

Relocating barns; Identifying wood and trees;

Using, tuning, and making hand planes; Tools for timber framers all tba.

800/498-2700, www.tillersinternational.org.

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New programs for the upcoming year

THE TFBC is gearing up for the start of our fiscal year (June 1). We have refocused on two main values: marketing our members and providing business training to help our companies grow. The Board of Directors has approved the budget and plan of action, and we have some exciting new programs that I'd like to share with you.

We will be completely rebuilding the website with an initial focus on increasing the functionality of the site. We will also be designing a new look and begin to focus the site as our primary marketing tool. We hope to have the new site up and running by midsummer.

Along with the new site, we will be launching a web-based marketing plan designed to generate more traffic to our site and ultimately generate more solid leads for our members. With the new site and marketing initiative, we will be able to feature our members much more prominently and generate strong exposure and consistent, quality leads.

Another new program that we will be rolling out is an online financial benchmarking program that will allow our participating companies to download their monthly financials and receive real time financial comparatives based on a series of financial metrics. You'll be able to view annual, quarterly, and monthly trend charts comparing your company's financial performance to others in the industry.

We also will be offering the timber frame industry a new resource designed to help organizations and individuals make employment connections: an online job board. This service will enable employers to post jobs on the Timber Frame Business Council website so job seekers can apply online for those positions. In addition, the job board will include a résumé database: interested individ-

uals can post their résumés online (confidentially, if they choose) for registered employers to search. The job board could also include career development services to assist individuals with other career-related needs, such as résumé writing, negotiations, work-life balance, and so on. As this develops, I believe it will become a huge asset and provide much assistance in attracting and retaining a talented workforce.

These are just a few of the highlights for 2006-2007. If you want to know more, please call me (406/375-0713) or go to our website (www.timberframe.org) to view the entire plan of action.

—Chad DeLong

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Laura Viklund: another look at timber frames

GUILD MEMBER and Massachusetts College of Art student Laura Viklund produced a sculpture exhibit that opened in Boston on April 13. Featured works by Laura all reflected a timber frame theme. All of these objects describe essentially the same traditional framing pattern. Clockwise from right:

An array of four bents, in pine. Laura and her nephew inhabit the frame; “negative” frame from plywood; full frame of sawdust filled hand stitched vinyl tubes, complete with genuine mortise and tenon joinery and pegged connections. Rick and Laura Brown are in the background.

Curtis Milton comments: “The top piece, Bents as Turnstiles, deconstructs a frame into a roofer’s nightmare. Linked Timber Sausages (below) looks like an FEA analysis to me and also looks EXACTLY like real wood that has deformed in the fourth dimension of time. The Frame Without is a perfect example of how well shear panels work.”



photos Joel C. McCarty



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For Sale

Barn, cabin, beams.

30 x 60 bank barn all oak (hewn), circa 1860. 2 pen log cabin (2 separate square structures joined by a porch), hewn hardwood, built in the 1800s. 60 newly hewn white oak beams from project, 8 x 8 and 10 x 10, 16-24 ft. long. Eastern Ohio. Call Jim, 304/645-6609, hawkwindforge@brier.net.

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Help Wanted

Designer.

Full time position open for an experienced timber frame designer. Must be experienced in AutoCAD or CadWorks. Purcell Timber Frames is based in the beautiful, serene, artsy ski town of Nelson, British Columbia. Call 800/655-5574 or email info@purcelltimber.com for more details.

Intern, timber framer.

Intern—Gain hands-on experience in general carpentry, timber framing, and tinsmithing (standing seam metal roofs). As a summer or semester intern, you'll have access to a variety of principal managers and highly skilled tradesmen as you assist our lead people. This is a unique opportunity to develop traditional construction trades. Timber framer—We seek a skilled timber framer for our team-oriented production of custom timber frames. Work in-shop and onsite to produce rough-sawn and mill-planed timber frame structures. Experienced in layouts, joinery, and milling with power and hand tools. Onsite rigging and raising skills also beneficial. Fitzgerald Heavy Timber offers competitive wages and benefits as well as great career opportunities with an established, growing business in historic Frederick County, Maryland, in the Catoctin Mountains. Fitzgerald Heavy Timber Construction, Inc., 10801 Powell Road,

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Timber frame cutters and lead people.

Trail Ridge Timber Frames is located in the beautiful foothills of northern Colorado. We are a growing company with a fun, progressive work environment. We are looking for motivated individuals with at least 1 year of timber framing experience-education in layout, cutting with power and hand tools, and raisings. Compound joinery, CAD knowledge, construction-carpentry background log and scribe work a plus. Must be a good problem solver, have a strong work ethic, and be a team player. Lead people must have the above skills plus experience in managing employees and projects and working with clients. Wages DOE. Please call Kathy or Mark Miller, home office 970/203-9305 or shop 970/461-1523.

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Two Dog Timberworks is looking for timber framers. Experience preferred. Must have general woodworking experience and a solid working knowledge of hand and power tools. We are a smaller innovative company that strives to attract challenging projects all over the country. Join us in the beautiful northwest corner of Washington State and be a part of a great team that loves what we do! Pay DOE, full benefit package, rewarding work. Reach Laurel or Pete Slisz at 360/366-5350 or info@twodogtimberworks.com.

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Axes for sale

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From left in the photo:

Double-bit throwing axe

Different models of double-bit axes have been popular in the U.S. since the last quarter of the 19th century because of the balanced feel and versatility. Typically, one blade was sharpened to a finely honed, narrow felling edge, while the second blade was ground slightly blunter and used for knots and cutting near the ground where a finely sharpened blade was more likely to be damaged. Today, the double-bit axe is also used as a throwing axe for timber sports, made to competition standards for weight, balance, and size. Supplied with throwing instructions and complete rules, the axe has 6-in. faces and a 29-in. handle. It weighs 5 lb. 1 oz., including the handle. \$135 plus S&H.

Scandinavian forest axe

The traditional forest axe is perfect for roughing out joinery or limbing felled trees. Forged to a thin, curved bit, it is designed mainly for green wood and has a thin 3½-in. face, a 25-in. handle, and a 2 lb head. Shipping weight: 3 lbs. \$70 plus S&H.

Swedish broad axe

The pattern of the broad axe and the handle are based on old Swedish logging techniques for squaring logs and structural timbers of all kinds. It has sufficient space between the blade's beard and the handle for the user's fingers. The broad axe is the double-bevel style with a 7-in. face, a 3 lb head, and a 19½-in. handle. It is easier to use than a single-bevel axe for fine work and hewing, but it requires a different technique. Shipping weight: 4 lbs. \$172 plus S&H.

Each Gränsfors axe is supplied with an informative booklet, *The Axe Book*, outlining proper usage, cutting techniques, and care instructions. —Will Beemer



photo Will Beemer



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